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European Joint Programme for the Integration of Radiation Protection Research

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D 1.2 – Summary report of the activities carried out during the ongoing reporting period and the Annual work plan for the next year of CONCERT

Lead Author(s):

CONCERT co-ordinator and WP leaders

With contributions from: all consortium members

Reviewer(s): CONCERT coordination team

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SUMMARY REPORT FOR THE ONGOING REPORTING PERIOD (M25-M36)

Publishable summary

This document is the “D1.2-Second periodic report and draft annual work plan to the EC in accordance with the provisions of the consortium contract” and describes in part one the work carried out by CONCERT from June 2016 until February 2017 and in part two the work planned for the 3rd CONCERT year, i.e. from June 2017 until May 2018. CONCERT achieved its objectives for the second year as laid down in the AWP for the second year.

Whereas the start of the first open call due in January 2016 was significantly delayed, with a launch in June 2016, the second call will be open more or less on time.

During the second year of the project, most of the efforts have been devoted to the finalisation of the first open RTD call and the preparation of the second open RTD call of the CONCERT EJP.

Work package 1 of CONCERT provides the financial, consortium and project management. The work carried out is result-oriented, aims at an efficient management of the project and quality control of results and deliverables as well as timely communication with the European Commission. The first call was implemented and the first projects selected for funding. The second call is going to be published end of February 2017/ beginning of March 2017.

CONCERT **Work package 2** input for Joint Programming (WP3) was provided as planned to support the preparation of the CONCERT Calls. The five RP research platforms (MELODI, ALLIANCE, NERIS, EURADOS and EURAMED) are well established and organised, having working groups for SRA development, infrastructures and E&T activities. The SRA working groups / RTD Committees nominated by the platforms developed SRA Statements on current research needs and identified a short list of research priorities. MELODI, ALLIANCE, NERIS, EURADOS and EURAMED independently published the SRA Statements after they were approved by the platforms.

The activities of CONCERT **Work package 3** include the development of a joint list of priority topics as input to the open research call in 2017 within CONCERT, and as input to future calls if additional budgets would be available. The priority topics are defined by consulting radiation protection research platforms (MELODI, EURADOS, NERIS, ALLIANCE and EURAMED), Programme Owners and Managers, WP leaders, and project leaders of radiation protection research projects that recently or nearly finished. Open consultation on priority topics through workshops and internet is taken into account prior to submission of the topics to the CONCERT MB. After approval by the CONCERT MB, the topics are handed over to WP4 for call preparation. CONCERT WP3 is also responsible for setting up a common roadmap for the entire field of radiation protection research. The roadmap should ensure that the research carried out in the next decades addresses exposure scenarios of societal concern for which science has a good prospect to substantially contribute to an improvement of the protection of people and the environment, and to reduce uncertainties about risks resulting from such exposures. Research priorities should take into account in a well-balanced way the needs of all stakeholders concerned, as well as the views of the scientific community on the feasibility of such research.

Work package 4 launched the first call for proposal of the EJP CONCERT and organized the evaluation process of the submitted proposals. After allocation of proposals to the group of 15 international experts (out of the list of experts provided by WP1) and further remote evaluation of all proposals, the Peer Review Panel (PRP) met for two days in Paris on October 26-27 2016 to thoroughly discuss all 12 proposals submitted to the first CONCERT call and to rank them in the presence of André Jouve, the EJP CONCERT EC Project Officer, invited as an observer and in the presence of the Call Steering Committee (CSC). Two ranking lists – one for Topic 1 and one for Topic 2 – have been established by the PRP. Both ranking lists have been merged, with one project of Topic 1 and one project of Topic 2 at the top and further listing of the projects according to the scoring.

With the total budget of 10.5 M€ available, the first 3 proposals, according to the ranking lists (1 proposal for topic 1 and 2 proposals for topic 2), are funded as decided during the Management Board meeting of CONCERT on the 17th of November 2016.

A lessons learned report from the first call for proposals was prepared and will be published on the CONCERT webpage. The Evaluation Summary Reports (ESR) of the projects submitted in the first CONCERT call have been sent to the respective coordinators.

Additionally, WP4 set up the procedures and prepared all the documents of the second transnational and open CONCERT Call for Proposals (2017) based on the CONCERT recommendations prepared in WP2 and WP3. WP4 is ready to launch the call end of February 2017/ beginning of March 2017. WP4 launched a pre-announcement of the call in January 2017.

CONCERT **Work package 5** concerns stakeholder engagement activities. A Stakeholder Strategy has been developed, reviewed and published on the CONCERT website (see http://www.concert-h2020.eu/~media/Files/Concert/Stakeholders/D5_1_CONCERT.pdf?la=en). In depth discussion of the best approaches to conducting a general stakeholder survey has been carried out and substantial progress has been made in drafting the survey. Procedures have been agreed for the formation and main tasks of a stakeholder group.

In the third year, **Work package 6** partners will keep the same objectives according to increase the visibility and use of key research infrastructures: (i) to prepare infrastructure evaluation criteria and to compile a list of infrastructures (ii) to prepare regular information about infrastructures, (iii) to develop harmonized practices and protocols to strengthen and expand databases from past radiobiological experiments and from stored biological material, (iv) to develop strategies for facilitating access to infrastructures.

Work package 7 of CONCERT is dedicated to education and training (E&T) for the development and maintenance of the expertise and competence of the community of research scientists working in the area of radiation protection research. The specific activities organised by the work package, and funded as integration activities, included: a) Setting up a programme of student travel grants to allow students to attend relevant training courses at other institutions, or attend conferences to present their work; b) Launching a call for short courses in topics important for radiation protection research, aimed particularly at students entering the field or young researchers and c) Encouraging the career development of new scientists entering the field through interaction with the European Radiation Research Association for Young Scientists (EURAYS).

As well as these initiatives, WP7 is holding an annual Forum in association with the MELODI Workshop, to strengthen the integration of E&T institutions within radiation protection, and working with WP2 and WP3 to promote the integration of E&T into research projects funding under the CONCERT calls.

Following the summary progress report of work per Work package carried out since 1st June 2016 and expected by the end of second project year.

WP1 - Project coordination & management

Work carried out

The purpose of WP1 is to ensure the effective administrative and financial management of the project as well as reaching a good synergy between all partners. The overall objective of the managerial organisation is to provide necessary structures for participatory and efficient decision-making and coordination of activities, fluent day-to-day management, reporting to EC and supporting project activities respectively.

The tasks of **Work package 1** have been implemented successfully. The project is on track and all the activities that were envisaged for the second year have been accomplished so far.

Task 1.1 – Overall legal, contractual, administrative management and financial management (BfS)

Planning and Co-ordination is led by the Executive Board (ExB) which is composed of WP leaders and is chaired by the coordinator. The ExB is responsible for aligning work across all WPs and through a continuous assessment of inputs and emerging results, make strategic implementation proposals to the Management Board (MB) that is composed of all beneficiaries, the 4 research platforms and the medical platform EURAMED as observer.

The following responsibilities have been allocated:

- Project coordinator: is responsible for the overall coordination of the project and for chairing ExB and MB as well as coordinating any issues with the EC.
- Project coordination team: is responsible for the daily management of the project including administrative and financial issues.
- WP and Task Leaders: are responsible for leading the work package/task according to the objective and description of work

The project management team answered numerous requests and prepared necessary amendments to the GA of CONCERT.

Task 1.2 – Consortium, Executive and Management Board

Project meetings. During the second year, the following meetings were organised:

- Fifth Management Board meeting, on 23 September 2016, in Oxford UK
- Sixth Management Board meeting= FUNDING DECISION MEETING, on 17th November 2016 in Brussels, Belgium
- back to back to MB meetings, ExB meetings were organised the day before
- extraordinary ExB meeting, on 17th February 2017, in Munich, Germany
- the first ESAB (Executive scientific Advisory board) meeting was held on 17th November 2016 in Brussels
- the ESAB attended the MB and ExB on 17th November 2016
- Each Work Package organised its own meetings as necessary.

Meeting agendas and information on the venue were shared. Meeting minutes were prepared by the project coordination team and made available on the project workspace together with the lists of participants.

During the meetings, partners reviewed the latest results and achievements of the different Work packages, discussed the outcomes of the project, highlighted topics of particular interest such as the finalisation of the first call (conclusion of CONCERT Grant Contracts with the three selected projects) and the progress of the 2nd open call preparation.

Task 1.3 – Updating the rolling annual work plan (AWP)

Work on the AWP for the third year of CONCERT (M25-36) was co-ordinated by BfS and the 3rd AWP submitted as part two of this document.

Task 1.4 – External Scientific Advisory Board (ESAB) for the evaluation of CONCERT

The ESAB was set-up. It consists of nine members. A chair was selected. The ESAB held its first meeting on 17th November 2016 in Brussels and attended the MB and ExB on 17th November 2016.

Task 1.5 – Negotiation of projects to be funded through open RTD calls

In total 12 proposals were submitted by 147 partners from 85 different institutions in 26 countries. Thereof, 8 proposal responded to Topic 1, and 4 proposals to Topic 2. All 12 proposals were found to be eligible. Two ranking lists – one for Topic 1 and one for Topic 2 – have been established by the PRP: Both ranking lists have been merged, with one project of Topic 1 and one project of Topic 2 at the top and further listing of the projects according to the scoring. The three highest ranked projects are funded with the total budget of 10.5 M€ available in the first CONCERT. For a detailed report on the first CONCERT call 2016 refer to D4.2/D4.7.

Task 1.6: Funding decision process for integration activities listed in the approved annual work programme

Funding decisions on integration activities were made in the field on education and training (courses and grants) based on recommendations of WP7 and financial feasibility checks by WP1 by the CONCERT MB.

Task 1.7: Attracting new members to the CONCERT EJP Consortium

The aim of this task is to extend CONCERT's scope and its co-fund capability. Adding beneficiaries as proposed will be to the mutual benefit of the current consortium and the joining institutions and foster the integration of radiation protection research in Europe.

The following beneficiaries were added to the consortium:

- APA - Agência Portuguesa do Ambiente (Portuguese Environment Agency), Portugal;
- FOPH – Bundesamt für Gesundheit (Swiss Federal Office of Public Health), Switzerland;
- GIG - Główny Instytut Górnictwa (Central Mining Institute);
- JSI - Jožef Stefan Institute, Slovenia;
- MINECO - Ministerio de economía y competitividad (Ministry of Economy and Competitiveness), Spain;
- UEF - Itä-Suomen yliopisto (University of Eastern Finland), Finland.

With FOPH, GIG, and JSI joining CONCERT, the action extends to countries currently not represented with beneficiaries in the consortium. This also improves the situation of Swiss, Polish, and Slovenian universities and other research institutions. Currently, such institutions lack a national source of providing co-fund, which is a disadvantage when competing in CONCERT's transnational open research calls.

The participation of APA, MINECO, and UEF strengthens the integration of the respective countries' research community into CONCERT's activities.

APA, FOPH, JSI, GIG, and UEF will contribute to Work Packages 2 and 3, enriching activities of SRA development and joint programming with their expertise and in the case of FOPH, JSI, and GIG a national perspective previously not considered.

GIG will also contribute to Work Package 6, again bringing in a national perspective previously not considered.

UEF will also contribute to Work Packages 5, 6, and 7, mainly assuming tasks previously carried out by STUK, which is pulling out of research activities following a national decision.

MINECO will contribute to Work Package 4, as it already participates in similar schemes, for instance, in ERANETs, thus being experienced in the definition of the calls, proposing independent evaluators, and monitoring the projects funded through national instruments and specific national calls.

Task 1.8: Public CONCERT web page and a secure internal web-based workspace

The secure internal web-based workspace integrated with the project's public website to provide a medium for communication among project participants is maintained and looked after by SCK-CEN. The workspace allows the exchange of various types of information: datasets, results, coordination decisions, timetables, presentations, meeting agendas and minutes, and reporting among partners. It allows each partner, the work packages leaders, and the coordinator to regularly monitor progress in data collation, analysis, and accomplished deliverables.

The public website is designed to act as an information hub about the objectives, activities and results of CONCERT and serves as a prime public dissemination tool making available the project published materials (e.g. for calls). The website is being updated on a regular basis to keep the audience informed and ensure continued interest of already attracted visitors. In collaboration with WP5, information of interest to the public on radiation protection is being collected and will be further elaborated during the 3rd year of CONCERT.

Task 1.9: Establishment of an expert database for the reviewing processes of CONCERT

The expert database has been set up as planned in year one. Experts from all over the world were proposed by the radiation protection research platforms and were contacted by the coordinator to inquire their willingness to serve as expert in the CONCERT call evaluation. The expert database was provided to WP4 to be used during the call evaluation process. The expert database is being updated for the second call.

Milestones and Deliverables

D1.2 Second summary progress report and draft annual work plan to the EC in accordance with the provisions of the consortium contract

WP2 – Integration and SRA development in radiation protection research

Work carried out

The main WP2 objectives for the second project year are:

- To provide input to Joint Programming (WP3) from all fields covered by WP2.
- To successfully complete the work for the preparation of the SRA on radiation protection in medicine and continue work on SRA for social sciences and humanities
- To find the best possible ways to implement the BSS in Member States.
- To develop roadmaps for research based on the SRAs

WP2 input for Joint Programming (WP3) was provided as planned to support the preparation of the first CONCERT Call. The four RP research platforms (MELODI, ALLIANCE, NERIS and EURADOS) are now well established and organised, having working groups for SRA development, infrastructures and E&T activities. The SRA working groups / RTD Committees nominated by the platforms developed SRA Statements on current research needs and identified a short list of research priorities. A structured approach using same criteria was applied for the description of each research priority, in order to help selection and to identify synergies. The SRA statements were approved by the platforms and passed to CONCERT MB and for joint programming (WP3).

To ensure a good flow of information, several WP2-WP3 phone meetings were organised. Participants to these meetings were the WP2 and WP3 leaders, chairs of platforms, chairs of SRA working groups, and leaders of tasks 2.5 (medical), 2.6 (social sciences and humanities) and 2.7 (BSS).

The work on medical SRA (Task 2.5) proceeded very well and provided input for the joint Programming (WP3). Common Strategic Research Agenda for Radiation Protection in Medicine was published by the European Medical Associations representing Ionising Radiation Applications in Medicine (EANM, EFOMP, EFRS, ESR and ESTRO). During the Radiation Protection Week in Oxford in September 2016, these medical associations launched a new research platform called EURAMED. A Statement of Priorities from the medical SRA were identified by EURAMED, serving as input to the 2nd CONCERT call.

Synergies between the SRAs of different platforms were explored during the second year. EURADOS organised a meeting with stakeholders in June 2016. A workshop on synergies between the medical SRA and SRAs of MELODI and EURADOS are discussed in a workshop in Helsinki in April 19-20, 2017.

The work on long-term roadmaps of MELODI, ALLIANCE, NERIS and EURADOS has been started in parallel of the scenario-based joint roadmaps. Road mapping has been discussed in meetings and workshops in Kuopio in June 2016, in Oxford in September 2016, in Budapest in March 2017 and in Helsinki in April 2017. However, the consolidation will require more time and it is proposed to postpone the deliverable 2.5 until month 30.

The work for creating a Strategic Research Agenda on Social Sciences and Humanities (SSH) in radiation protection was continued. This work is divided into three subgroups: ethics and justification, risk communication and safety culture. The draft SRA social sciences and humanities is expected by the end of year 2. In parallel of CONCERT, as result of a separate COST action, it is expected that a new research platform, partly covering radiation protection topics, will be established for research on social sciences and humanities by summer 2017.

Task 2.7 deals with communication of knowledge from research and innovation conducted within CONCERT and outside laying the scientific basis for the revised European Basic Safety Standards. Contacts with HERCA and Article 31 Group have been continued. Research needs have been discussed in Task 2.7 working group meetings and workshops. CONCERT members have participated HERCA workshops and workshop series organised by RISKAUDIT, discussing the challenges related to BSS transposition and implementation. A general observation is that national authorities are currently heavily occupied by the legal aspects of BSS rather than research. The RTD Committee of Article 31 Group provided a list of research needs. Deliverable 2.3 was submitted at month 18.

Milestones and Deliverables

Three project milestones related to WP2 were due during year 2.

- MS9** Input documents for WP3 was due by month 18. This milestone has been completed and WP2-WP3 meeting summaries have been provided to MB.
- MS10** Annual SRA platform statements 2016 was also due by month 18. This milestone was reached in time (see also deliverables 2.4 and 2.6).
- MS51** Workshops on identifying RTD needs supporting BSS implementation was due by month 18. CONCERT members participated several workshops.)

Five project deliverables for WP2 are due by end of year 2.

- D2.4** Annual SRA Statements from MELODI, ALLIANCE, NERIS and EURADOS (due by M13) serving as input to joint programming was submitted to Coordinator and to EC at month 14.

- D2.6** Joint research needs and priorities addressing radiation protection research relevant for medical use of radiation and communication/risk perception in radiation protection field (due by M18) was submitted to Coordinator and to EC at month 18.
- D2.3** Identifying research needs and RTD priorities supporting the implementation of BSS was initially expected by the end of year 1 but subsequently postponed to month 17, to allow time for consultation of Article 31 Group. The deliverable was submitted to Coordinator at month 18, providing input to joint programming.
- D2.5** Long-term RTD roadmaps from MELODI, ALLIANCE, NERIS and EURADOS is expected by month 24. Roadmap planning was started during the Oxford RP Week in September, agreeing on scenario based working mode in order to support the generation of joint roadmaps (WP3).
- D2.7** Synergies between the medical SRA and the SRAs of MELODI and EURADOS was due by month 18. It was submitted to Coordinator in December (month 19). Synergies and scenarios will be further discussed and developed during spring 2017 and a workshop on medical SRA and scenarios is expected in Helsinki in April 2017. Draft SRA on social science and humanities is expected by month 24.

WP3 - Priority research and Joint programming needs in the perspective of European Integration

Work carried out

The activities of CONCERT WP3 included the preparation of the proposed priorities for the 2nd CONCERT call and first steps towards defining joint programming of radiation protection research.

WP3 collaborated intensively with WP2, and consulted all other work packages dealing with cross cutting issues such as use and access of infrastructure, training and education and stakeholder involvement. The WP2-WP3 working group identified research priorities for the 2nd open call in a similar way as for the 1st open call, through consultation of radiation protection research platforms, Programme Managers and Programme Owners, as well as WP leaders of WP5-WP7. This time also project leaders from nearly ended research projects were consulted. An open consultation workshop was organised 18 November 2016. The comments received from the audience and through web consultation have been taken into account. The priorities were finally proposed to the MB and will be available in deliverable 3.2. entitled "Second Annual Joint Priority List".

The process towards the preparation of the priorities included a physical meeting with the WP2-WP3 working group on 21/9/2016 in Oxford, followed by teleconferences on 27/10/2016 and 7/11/2016. After the MB meeting on 17/11/2016, where preliminary information about the outcome of the 1st call was revealed, another WP2-WP3 working group meeting was held, to take into account this information, prior to presentation of the priorities to the public during the open consultation workshop on 18/11/2016. Whereas SCK•CEN prepared and chaired all physical and teleconference meetings, STUK acted as secretary during the entire process. Comments of the audience were analysed and taken into account where appropriate. The MB was informed about how and whether the comments were taken into account, and received all details of this process. The final version of the priorities was approved by the CONCERT MB on 16/12/2016.

Along the course of preparing the priorities, WP3 reported about the priority setting to the CONCERT ExB-MB meetings held on 19-23/09/2016 and 17/11/2016, and where appropriate, the CONCERT MB was consulted or informed through e-mail.

Two main priorities were accepted by the CONCERT MB, in which sub-priorities were defined. The priorities approved by the MB and presentations given at the open consultation meeting are available on the CONCERT website following the link:

http://www.concert-h2020.eu/en/Calls/openconsultation2ndcall/second_call

Finally yet importantly, WP3 is responsible for setting up a joint roadmap in radiation protection research. Preparatory steps towards a first joint roadmap in radiation protection research have been taken. A first brainstorming meeting within the WP2-WP3 group took place 8/6/2016 (Kuopio), after which a definition of the roadmap and a methodology towards elaboration of a roadmap has been proposed. During the meeting as of 21 September 2016 (Oxford) the proposed definition of a roadmap and methodology towards a first draft was adopted. Based on societal scenarios, key scenarios of exposure of people and environment to ionising radiation are being drawn. Subsequently, lacking scientific knowledge and know-how for better radiation protection for such exposures can be inventoried. Finally, research needs and corresponding resources can be identified and prioritised for the next decades.

The aim is that the roadmap on radiation protection research will be based on societal scenarios in which exposure to ionising radiation occurs which are relevant to the society, and where new research results can meaningfully contribute to enhance radiation protection, and reduce uncertainties about risks. Stakeholders such as CONCERT Programme Owners and Programme Managers will be engaged first in the process towards the roadmap, and will be followed by others such as, regulators, industry, associations, and the public. ICRP will also be consulted, thus giving an international credibility to the European roadmap. This stakeholder consultation will help to validate the scientific challenges to be overcome, and to prioritise research accordingly. Once priorities are set, costs can be estimated for a long-term research plan for the next 20 years.

A coherent set of societal scenarios resulting in exposure to ionising radiation, relevant to society, are being defined by the WP2-WP3 working group. A brainstorming with experts in social sciences and humanities was held to discuss how to engage stakeholders in the elaboration of the roadmap (Mol, 21/12/2016). Stakeholder engagement following the “Delphi method” has been proposed, allowing an iterative consultation of experts towards converging conclusions. A concrete methodology and first draft elements of the future roadmap will be elaborated in the last months of the 2nd CONCERT year.

Milestones and Deliverables

The **deliverable D3.2** will be submitted in Month 21.

At this moment, there is no difference between work expected to be carried out in accordance with Annex 1 for WP3 and the annual work plan for the year and that actually carried out.

Milestone MS 15 (M20): the joint priority list and call conditions were presented on the open consultation workshop on 18/11/2016. Comments from the audience and the web survey following the Open Consultation workshop have been taken into account, and the result has been presented to the CONCERT MB and WP4 after approval by the CONCERT MB.

Milestone MS 16 (M24): First joint CONCERT Roadmap: This first draft will be presented at the joint European Radiation Research Week and ICRP international Symposium in Paris, October 2017.

WP4 - Organization and management of CONCERT open RTD Calls

Work carried out

During the second year of the EJP CONCERT, WP4 launched the first CONCERT call on June 2nd in 2016. The opening of the call was delayed due to the approval of the amendment to the GA of CONCERT related to third party funding as well as the call text and call conditions by the European commission. The submission website was finally open for 2 months and was closed in August. In total 12 proposals have been submitted and were found to be eligible.

International experts from the list of experts provided by WP1 have been contacted and asked for their participation in the evaluation procedure of proposals submitted for the first CONCERT call. In the choice of PRP members, gender and geographical balance and well as no-conflict of interest and a wide array of relevant expertise have been respected. After allocation of proposals to the group of 15 PRP members and further remote evaluation of all proposals, the PRP met for 2 days in Paris on October 26-27 2016 to thoroughly discuss all 12 proposals and to rank them in the presence of André Jouve the EJP CONCERT EC Project Officer, invited as an observer and in the presence of the Call Steering Committee members. Two ranking lists – one for each call topic – have been established by the PRP.

The Financial meeting of the Management board of CONCERT was prepared during a WP1 (Coordination team of CONCERT) and WP4 (Coordination of the CONCERT Calls) meeting on October 28th 2016. With the total budget of 10.5 M€ available, the first 3 proposals, according to the ranking lists (1 proposal for topic 1 and 2 proposals for topic 2), are funded as decided during the Management Board meeting of CONCERT on the 17th of November 2016.

Discussions about realisation of cash funding for Third Parties within the three winning consortia took place in close collaboration with the proposal coordinators, the CONCERT coordination team and WP4. Modifications as e.g. reallocation of work within the projects have been validated by the PRP after the preparation and further presentation of adapted work plans by the respective project coordinators.

The CONCERT Grant Contracts (CGC) are actually under finalization. The Evaluation Summary Reports (ESR), written by the PRP members at the end of the evaluation procedure, have been sent on January 16th 2017 to the coordinators of submitted proposals together with the information about the final funding decision for the respective projects. A Report on the first CONCERT call including a “Lessons learned” was prepared and will be public in February 2017.

The documents for the second Transnational Call for Proposals (2017) have been prepared including the Call Text, the Governance of the Call and Evaluation, the Guidelines for applicants and the Proposal templates. The aims of the second call are to support transnational research projects that combine innovative approaches in the field of radiation protection in line with the research priorities of CONCERT, to actively integrate education and training activities and collaboration with universities in multidisciplinary research projects, and to make optimal use of research infrastructures. The new call will address two main topics (each one having three sub-topics). The project proposals must fall within one of the call topics and may answer one or more sub-topics when appropriate:

Topic 1 - Understanding human health effects from ionising radiation and improving dosimetry

- I. Improvement of health risk assessment associated with low dose/dose rate radiation.
- II. Improvement of occupational dosimetry.
- III. Patient-tailored diagnosis and treatment: full exploitation and improvement of technology and techniques with clinical and dose structured reporting.

Topic 2 - Radioecology, emergency and social sciences and humanities

- I. Biomarkers of exposure and effects in living organisms, as operational outcomes of a mechanistic understanding of intra- and inter-species variation of radiosensitivity under chronic low dose exposure situations.
- II. Countermeasure strategies preparedness for emergency and recovery situations.
- III. Models, tools and rationales for stakeholder engagement and informed decision-making in radiation protection research, policy and practice for situations involving exposures to ionising radiations.

The call will be implemented as a one-step submission procedure. An electronic submission portal is in place. The preannouncement for the second CONCERT call was published in January 2017 on the CONCERT and ANR website.

Milestones and Deliverables

- D4.2** Final ranking list and joint selection list of the projects to be funded from the joint international peer review of full proposals for the CONCERT open RTD Call 1 - sent to WP1
- D4.4** Call documents: Governance of the Call and Evaluation document, Call Text, Guidelines for applicants, Proposal templates, for the CONCERT open RTD Call 2. - Ready and waiting for approval by the commission.
- D4.7** Report on the monitoring of the CONCERT open RTD Call 1 to gather suggestions for improvement for the process of the CONCERT open RTD Call 2 – prepared and sent to WP1
- D4.8** List of indicators for follow up of funded projects – prepared and sent to WP1
- MS21** Launch of the 2nd CONCERT open research call – Launch of the call is planned in February 2017.

WP5 - Stakeholder involvement and communication in radiation protection research

Work carried out to date

CONCERT Work package 5 concerns stakeholder engagement activities; from the outset four main activities were envisaged: (i) Prepare for a CONCERT stakeholder management strategy, (ii) establish a stakeholder panel, (iii) plan a public facing survey, (iv) develop core information for the CONCERT web page. Progress has been made in all areas. Particularly in developing agreed approaches to stakeholder engagement.

To coordinate the activities of WP5 partners over the year, two teleconferences have been held (1st March 2016, 17th June 2016) and a dedicated half-day meeting was held during the 2016 Radiation Protection Week in Oxford, 19th September 2016.

A Strategy for stakeholder engagement has been published on the CONCERT website (http://www.concert-h2020.eu/~media/Files/Concert/Stakeholders/D5_1_CONCERT.pdf?la=en). Task 5.1 is therefore essentially complete, but review and revision of the Strategy may be undertaken in the future.

There has been good progress in establishing a Stakeholder Group (Task 5.2). The lead organisation for Task 5.2, IRSN in close cooperation with CEPN have produced a draft Terms of Reference for the Stakeholder Group. An important function of the group will be to collect point of views, comments and expectations

regarding the research projects started under the first CONCERT call (TERRITORIES, CONFIDENCE, LDLensRad). Consequently, the relevant project leaders will be contacted to define how stakeholders can participate in the follow-up of their project and the content of the first meeting of the stakeholder group. This meeting is envisaged in the first semester of 2017.

Task 5.3 concerns development of stakeholder survey activities and the use of social media. This task led by ISS has produced a draft survey text and carried out extensive consultation within WP5 to refine the survey so that is achieved the objective of being accessible to a wide range of non-specialist stakeholders and being able to deliver useful information and guidance for the future development of the CONCERT programme

The development of materials for the CONCERT website is the purpose of Task 5.4. The CONCERT website has been live with no technical difficulties over the past year (www.concert-h2020.eu). Content outlining the WP activities including links to information already available on radiation risk have been posted on the website as well as information on E&T opportunities, pre-call and open call information has been posted and information on partners including the different platforms and associations. Further development of public-facing content is now a priority for the future development of the website.

Milestones and Deliverables

Two project milestones for WP5 fall due at the end of year 1.

MS5.3 – Stakeholder input in WP 3 for 2nd call (M18) - Complete

MS5.4 – Public survey assessed and published (M30) - Pending

Two project deliverables for WP5 fall due in the second year.

D5.3 – First public/specialist website material (M18) –Delayed, revised delivery M24

D5.4 - review and update of website material (M36) – Pending

Additional internal deliverables not listed in the GA and portal:

D5.5 completion of a first stakeholder meeting (M18)

This is being actively worked on by IRSN and CEPH colleagues, they are holding dates in June, July and September for the meeting and will finalise when responses from participants have been received. So the meeting will be held by Sept 2017.

D5.6 Review of prior experience of social media for radiation risk communication (M18)

This has been discussed and considered at two WP5 meetings

D5.7 development of public-facing survey (M24)

A reasonably close to final draft survey is now prepared and is going to be discussed at one further WP5 teleconference (date to be arranged) with release date aimed for June 2017

D5.8 CONCERT public web site with public-facing information on radiation risk (M24)

PHE and SCK discussed this in February 2017 and have agreed a first update on exposure information for the public. The CONCERT Executive Board subsequently recommended however to (1) refer to the information available from the different platforms and (2) direct the information towards what are the still open research questions, and which research is needed in the future. Information on the projects funded by CONCERT should be included, and links should be made to sites where information on radiation protection is available. These materials will be drafted and sent to the ExB/MB for agreement prior to posting, now anticipated M27

WP6 - Access to infrastructures

Work carried out

The WP6 partners have continuously worked to reach the 4 main objectives to increase the visibility of infrastructures: (i) to prepare the criteria and to compile a list of infrastructures (ii) to prepare regular information about infrastructures, (iii) to develop harmonize practices and protocols to strengthen and expand databases from past radiobiological experiments and from stored biological material, (iv) to develop strategies for facilitating access to infrastructures.

The activities of WP6 members have been concentrated on the organization and actions needed, in order to consolidate the first steps of actions of the first year, develop them and produce the deliverable D6.3 “Recommendations for infrastructure related topics for the 2nd CONCERT call and Recommendations for funding schemes to support infrastructure use for the 2nd CONCERT call input to WP3” (M17), corresponding to a part of the task 6.3. For that, numerous WP6 members have participated in the meetings organized in June (Kuopio), July (Brussels) and September (Radiation Protection Week, Oxford) 2016.

Task 6.1 Promote the visibility of research Infrastructures

Lead: NMBU; Partners: all WP6 partners

WP6 partners have created a free web access infrastructure database AIR²D². It includes suitable infrastructures validated a priori by their frequent use in previous researches over the 4 domains of activities of CONCERT: low doses (MELODI), radioecology (ALLIANCE), nuclear accident management (NERIS) and dosimetry for radioprotection (EURADOS). Contacts have been developed with EURAMED (see AIR² issue 13). This database is continuously implemented by infrastructures owners. We have developed actions in order to raise owner awareness to participate and complete AIR²D². It comprises communications during various seminars and one to one contact with targeted infrastructures owners. This stimulation is done also for participating in AIR² bulletins.

The portal “Access to Infrastructures for Radiation protection Research Documented Database” (AIR²D²), accessible online via www.concert-infrastructures.eu (and directly via the CONCERT website) has been implemented in order to have maps to help researchers to build their consortium for projects and to collect also continuous information about connection to the website via google analytics tools. Currently, the only restrictive criteria for an infrastructure to be included in the database, is to be open to external partners.

The monthly Bulletin: AIR² “Access to Infrastructures for Radiation protection Research” is now at the 14th issue and has celebrated its one-year anniversary. A special issue dedicated to the results of the first CONCERT call and the three selected projects was published on 17 February 2017. This issue describes the infrastructures used and the management of their data and samples in connection with the directives concerning the open access.

The e-mail list for the distribution of the bulletin continues to growth consecutively to requests of “subscription”. The bulletin is also housed on the CONCERT website and accessible without request on http://www.concert-h2020.eu/en/Concert_info/Infrastructures.

Task 6.2 Harmonize Practices and Protocols

Lead: RIVM; and identified partners for the WG: BfS, MTA-EK, SCK-CEN, CEA and all interested WP6 members

Activities concerning the four milestones are ongoing for the end of the period (M24)

- Improvement of STORE and interactions with other repository databases (Lead: BfS)

STORE has continued to explore interactions with other data and bioresource databases. Whilst overall successful, one issue which has emerged from these discussions is that in many cases the technological platforms of many of these databases are elderly and in many cases there is no possibility to connect with them directly. There are direct access problems for databases with restricted consenting, but in these cases detailed information of the data and resources are included in STORE together with the key contact to arrange private access. Records have been created for the:

- Chernobyl thyroid cancer database
- JANUS
- FREDERICA
- NURA
- Biobank of Eastern Finland
- INWORKS database
- RES³T - Rossendorf Expert System for Surface and Sorption Thermodynamics
- ELFE database
- Portuguese Tinea Capitis Cohort
- Wildlife transport database
- Semipalatinsk 3 - Generation exposure study
- French Haemangioma Cohort and Biobank

Data has been linked and imported from the ERA database and WISMUT cohort data is now on line. There is also an agreement to put the complete UIAR database "PROBA" on Chernobyl exclusion zone which we expect to execute before mid 2017. J-share is not yet publicly available due to technical delays in Japan, but we expect this link later in 2017. STORE has been accepted into the Biosharing platform (<https://biosharing.org/>) and also with the EBI/ELIXIR MIRIAM database (<http://www.ebi.ac.uk/miriam/>). Recently STORE was registered with the Re3data registry of research data repositories and a twitter account set up for dissemination of information and topical discussion on data sharing. Presentations on STORE were made at the Radiation Protection week (RPW) in Oxford and at the ACRR meeting in Hawaii in the fall of 2016. An additional consultative workshop with RENEb was held concurrently with the RPW meeting.

- Action plan to increment the database with past and ongoing studies (lead: MTA-EK)

The first step was the identification of those barriers, which block the sharing of experimental data. For this goal, an electronic survey for researchers about open data policy is under preparation.

- Review of approaches that could be performed on archived materials (lead SCK-CEN)
- Identification of need in new harmonization exercise (lead: CEA)

A harmonization exercise about low dose and low dose rate exposure platforms with three partners: ISS, PHE and SU is under construction.

In order to meet these objectives, a two days meeting was held in Brussels on July 11 and 12, with the first day dedicated to harmonization exercises. A meeting was also organised during the RPW in Oxford about activities concerning STORE.

Task 6.3 Strategy for facilitating access to infrastructures

Lead: CEA; and identified partners for the WG: HMGU, UniPv, CEA and all interested WP6 members

Activities for establishing the strategy for facilitating access to infrastructures have been discussed continuously and implemented in the deliverable D6.3: “Recommendations for infrastructure related topics for the 2nd CONCERT call and Recommendations for funding schemes to support infrastructure use for the 2nd CONCERT call input to WP3” (M17). The evolution of this document contains amendments further to interaction with partners who represented the platforms (MELODI, ALLIANCE, NERIS, and EURADOS).

Consecutively from exchanges and 2 small satellite meetings in Kuopio in June 2016 (OPERRA periodic meeting), an action plan is under construction to improve contacts with identified Infrastructures to welcome E&T activities in connection with WP7 or to build dedicated talks to show and to improve knowledge about various infrastructures which may improve the quality of the future research projects.

The activities linked to build the action plan for addressing the funding possibilities to optimize funding for access to infrastructures (lead: CEA) has been partly reported in the D6.3. Other tracks are under discussions.

Milestones and Deliverables

The activities of Work package 6 members have been concentrated on the organisation and action to do, in order to obtain the deliverable D6.3: “Recommendations for infrastructure related topics for the 2nd CONCERT call and Recommendations for funding schemes to support infrastructure use for the 2nd CONCERT call input to WP3” (M17). The evolution of this document contains amendments further to interaction with partners who represented the platforms (MELODI, ALLIANCE, NERIS, and EURADOS).

Deliverable D6.3: “Recommendations for infrastructure related topics for the 2nd CONCERT call and Recommendations for funding schemes to support infrastructure use for the 2nd CONCERT call input to WP3” (M17)

WP7 - Education and training

Work carried out

Task 7.1 – Attracting and retaining students and junior scientists into the Radiation Protection research fields

Subtask 7.1.1 – Student travel grants

In order to further the policy of developing and maintaining expertise in the radiation protection research community, CONCERT is offering 10,000 € per year for travel awards to junior scientists. Support can be given for participation in a conference, a course or for an exchange visit to a laboratory, where this can be shown to be of value for increasing the applicant’s involvement and knowledge/skills in current European research in radiation protection. There are four application deadlines per year: 31 March, 30 June, 31 September and 31 December. After each deadline a maximal sum of 2.500€ will be paid out to the top applicants. The maximal level of support per applicant is 625€.

During this reporting period, there have been three application periods. In each period, four grants have been awarded. Following the first period in which three of the four successful applicants came from the same institution, it was decided to favour no more than one from each institution, and to give consideration to the potential benefit to the student rather than choosing the best students from the best institutions.

Subtask 7.1.2 – Academic mobility in EU universities

This subtask has not started yet.

Task 7.2: Education and training as an essential part of dissemination and knowledge management within CONCERT

The purpose of this task is to promote E&T as an integral part of CONCERT-funded RTD projects, by requiring proposals to include evidence that due consideration has been given to the incorporation of graduate student involvement and the offering of new or specialist technologies as topics for E&T courses. The wording that was submitted to WP3 for the first call (MS34) was as follows:

“Education and training is an essential part of all activities within CONCERT. Proposals shall include a plan for integration of education and training into the research programme, with a description of the proposed activities. This must also give details of collaboration or involvement with academic departments, and of intended PhD thesis work, MSc project work, teaching seminars, ad hoc courses on the topics of the proposal, etc., where possible. The plan will be assessed as an essential part of the impact statement and will be considered within the evaluation procedure.”

The Evaluation Summary Reports on the submissions to the first call were not available before the wording of the second call was finalised, so it was not possible to judge whether the above wording should be changed. This Task therefore chose not to recommend any changes. (MS35)

Task 7.3: Targeted E&T initiatives

Up to the time of reporting there have been 2 open calls for institutions to host short courses. Eight courses were funded in the first call and fourteen in the second call. They are listed on the CONCERT page http://www.concert-h2020.eu/en/Concert_info/Education_Training. Both of the calls led to applications within the E&T budget, so there was no need to eliminate any that qualified for funding.

A satisfactory process has been established for formulating recommendations for acceptance and funding by the Education and Training Committee that are then submitted to the ExB for approval. In the first call, one of the proposals came from a Third Party. According to the EC rules as applied to an EJP, the applicant was required to obtain cash co-funding from the national funding agency. The agency had no budget for such contingencies (even though the amount was small) so the course could not be accepted by CONCERT.

The issues that have arisen from the submissions concerning the demonstration that the course will benefit researchers in the CONCERT research areas, has been resolved by requiring that each course be attended by at least a stated number of students who will potentially progress into radiation protection research activities.

Task 7.4: Coordination and collaboration on E&T policy and strategy

Subtask 7.4.1: Coordination and collaboration

At the Oxford Radiation Protection Week 19-22 September 2016, a session on E&T was co-organised by CONCERT and EUTERP (European Training and Education in Radiation Protection Foundation). Presentations were given on behalf of EUTERP, NERIS, ALLIANCE, EURADOS, MELODI, and CONCERT presenting the respective priorities for E&T and activities organised by each platform. This was followed by a discussion

session, in which it was confirmed that there was considerable benefit in sharing experience and approaches to E&T in the platforms, in order to help to keep the initiatives focussed on the most important needs.

Subtask 7.4.2: Vocational training for experts foreseen in the new Euratom BSS directive

This subtask has not started yet.

Task 7.5: European integration of junior scientist career development

Task 7.5 is committed to integrative activities focussed on two groups of junior researchers. Those entering CONCERT during the lifetime of the programme through participation of their home institutions in research activities of CONCERT, and those in new Member States not associated with research activities of CONCERT. As the CONCERT calls have not been completed at the time of this report we cannot provide information on the number of junior academic staff who will enter CONCERT. The planned Task 7.5 activities for the MELODI/Radiation days meeting in Oxford (September 2016) were postponed until the results of the CONCERT calls are available.

Nevertheless, we have used the time to focus our first efforts on the activities seen as being the most important, increasing participation of research teams from the new Member States, from the southern regions of the community and from accession countries.

On June 13-14 2016, the first public presentation of Task 7.5 (subtasks 7.5.1, 7.5.3 and 7.5.4) was made in Budapest as part of an OPERRA training workshop in polymerase chain reaction technologies. On the 13th Prof. Atkinson (Helmholtz Zentrum Muenchen) held a lecture on the work of past EURATOM FP7 projects Dark-risk, Procardio and Cerebrad. This was followed by his presentation on participation in EU contracts. This lecture was designed to encourage participation by the junior scientists in attendance and to raise awareness of the roles, obligations and expected contributions from researchers. On the second day of the meeting Prof. Salomaa (University Eastern Finland) presented a technological overview and followed by a presentation on the roles of a coordinator in EURATOM research projects. Here the experience of NOTE and DoReMi were transmitted and paths to join consortia discussed. Both sets of lectures were followed by meet informal the professor sessions where the speakers were able to answer individual questions, provide advice and strategies for participation and in general encourage and motivate the junior researchers.

The support and interaction activity 7.5.1 is intended to interact with the EURAYS group. However, the leadership of EURAYS has been dissolved due to major players discontinuing their activities in EURAYS. It was suggested that the CONCERT Task 7.5 could take over the role of EURAYS coordination and Dr Azimzadeh was nominated as chairman elect of EURAYS and other young investigators approached about serving on an advisory / management board. Due to ill health Dr Azimzadeh resigned his position after two months. Fortunately Dr Ainsbury (PHE) has taken the initiative to reinvigorate the EURAYS concept through a COST proposal. Task 7.5 (subtask 7.5.1) is supporting this activity and should this prove successful will offer support and advice for forthcoming events.

Milestones and Deliverables

- D7.13** 1st Annual reports on the progress of Task 7.4 (M12) (Delivered M13)
- D7.17** 1st Annual report on activities of the task showing progress made and future plans (M12) (Delivered M19)
- MS35** proposal for E&T content of RTD Call 2 prepared for WP3 T3.2 7 - (M15) (Delivered M17)
- MS37** 2nd Annual call for E&T initiatives (M15) (Delivered M16)
- MS42** 2nd Annual meeting of interest groups (M18) (Delivered M16 at Oxford RPW)
- MS48** Formation of an organising committee to manage career days (M18)

WP8 – Ethics

This work package sets out the 'ethics requirements' that the project must comply with.

WP9 - Research projects selected through CONCERT open calls

(AMD pending)

Work carried out

The objective of WP9 is to bring together RTD activities selected through two open calls for research projects organised along the CONCERT project.

To date WP9 within CONCERT includes the different research tasks that have been selected through the first transnational call for proposals on “Radiation Protection Research in Europe” through the EJP CONCERT, launched in June 2016. From the 1st January 2017, 3 research tasks were included:

- Task 9.1 CONFIDENCE
- Task 9.2 LDLensRad
- Task 9.3 TERRITORIES

BfS as leader of this WP will have the responsibility to follow up the progress of the different research projects.

ANNUAL WORK PLAN FOR THE THIRD YEAR (M25-M36)

Annex 7
to the EJP Grant Agreement
(Annual Work Plan for month 25 to 36)

1st June 2017 – 31st May 2018

CONCERT

European Joint Programme

For the Integration of Radiation Protection Research



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1 Coherence with Annex 1

1.1 AWP objectives for month 25 to 36

The consortium aims to continue its work done in the first 24 month of the project on developing a sustainable structure for promotion and administration of joint programming and open research calls in the field of radiation protection research for Europe. The CONCERT EJP supported the establishment of strategic research agendas in the different sectors of radiation protection research by the respective research platforms. In year three CONCERT will continue to build and to improve the radiation protection research structure in Europe on the foundations laid out by (I) these strategic research agendas developed and regularly updated by the respective research platforms MELODI, ALLIANCE, NERIS and EURADOS and EURAMED (the in autumn 2016 launched medical radiation protection association), (II) the vision and the activities performed as in the previous years to further integrate national and European research programmes for radiation protection by co-funding, and (III) the further participation of national programme owner and programme manager institutions in a European research consortium. A platform in the field of social sciences and humanities (SSH) is in the state to be founded. CONCERT is actively supporting this development and integrating SSH in its research strategies as already done in the second open RTD call. Activities of the consortium will go on to focus on one side on the aspects of support to develop an integrated landscape for radiation protection research in Europe and on the other side to directly fund coordinated research projects in an open, fair and transparent manner dedicated to state of the art science and tailored to the radiation protection needs of the society, authorities and stakeholders. Integration of education and training in the research agenda as well as optimal access to research infrastructures in Europe and even beyond are essential for the consortium.

The set of activities described in the Third Annual Work Plan serve the overall consortium aims by supporting the on-going work of the research platforms in establishing and updating SRA, in recommending research priorities and developing research roadmaps.

In addition, CONCERT builds on established procedures in OPERRA and the experience gained in the past two years and will extend them to joint programming with research priority setting for the entire field of radiation protection research. Furthermore, CONCERT has set up procedures for open scientific transnational calls, proposal reviewing and project evaluation and will improve these procedures on the basis of experience gained from the first open call. The work of the second year of CONCERT will focus on further improving this rolling work-flow which finally focuses on the peer reviewing procedure of submitted proposals for the second CONCERT call.

1.2 Expected impacts

The set of activities described in the Annual Work Plan Month 25 to 36 will continue with all the activities in the rolling work-flow programme as set up in the past two years focusing on the updating of Strategic Research Agendas (SRA), priority setting for research in each of the radiation protection areas, the development of a joint research road map, as well as on the finalisation of a second open RTD call. CONCERT is open for new Programme Owners and Managers from EU Member States as well as research platforms are open to new members from universities and research centres. The open research calls will attract further research organizations and universities not yet involved in radiation protection research on the European level and encourage further POM from EU Member States to take part and to integrate their research priorities and needs in the EJP.

It is the vision of CONCERT to bring together the major radiation protection research platforms in Europe, to maximize integration and coordination of research efforts in all EU Member States in joint research programmes, to identify and to prioritise radiation protection research and E&T needs using state of the art methodologies, techniques and approaches and provide strategic direction and leadership.

WP1

The coordinator will continue to call for ExB, MB and ESAB meetings in the third year as necessary for the management of the project, in particular for taking decisions on the funding of open call research projects, education and training activities, on strategies for future research, dissemination activities and on new members joining the CONCERT consortium. Furthermore, the coordinator will continue the interaction with the EC concerning reporting and Grant Agreement updates. Experience from the previous two years will be used to optimise and improve the CONCERT internal information and work flow between work package leaders on one side and the CONCERT beneficiaries on the other.

WP2

The research platforms play an important role in WP2. They will be stimulated to continue and update their ongoing work on the SRA. CONCERT builds its open call preparation as well as its integration activities on the continuous work of the platforms in the fields of SRA, Infrastructure and E&T, as well as on the collaboration between the platforms and the extension to the medical field. WP 2 will set up support activities for the platforms for sustainable input into joint programming. Subject to extra funding, input to Joint Programming is provided by identifying joint research needs and priorities. The platforms continue developing their long-term roadmaps and evaluate the impact of draft joint roadmap scenarios on SRA. Meetings will be organised with stakeholders in the medical scientific community and stakeholders in social sciences and humanities will be consulted.

WP3

In line with the general expected impact to maximize integration and coordination of research efforts in the field of radiation protection, the main task of WP3 for the 3rd year will be to elaborate on the first draft version of a joint roadmap in radiation protection research. For the first time, such a joint roadmap will be constructed on the basis of exposure scenarios. At the start of the 3rd year of CONCERT, a first draft joint roadmap will be available. Based on the selected stakeholder consulting methodology, the consultation process with relevant stakeholders such as regulators, industry, associations and the public will be established. The ICRP community will also be addressed, providing an international component to the consultation. Through questionnaires, stakeholders will be asked to rate the relevance of the societal scenarios in which exposure to ionising radiation occurs. Based on this rating, relevance of related research will enable to set priorities and plan the research over a long term (~20 years). First cost estimations for the long-term plan will be made.

WP4

The call announcement, the proposal reviewing and the project evaluation procedures for the second CONCERT call have been developed in line with the first CONCERT call and will be managed by WP4 on the basis of existing experience from funding agencies. The experience gained from the first CONCERT call will be taken to improve the processes for the 2nd call. CONCERT aims to announce the second open call at the end of month 21 after the start of the project (EJP CONCERT). Templates for the Mid-term and Final reporting of funded projects will be developed within this third year of CONCERT.

WP5

In the course of the third project year, CONCERT will further develop its stakeholder engagement activities. Key activities will be the first meeting of the stakeholder group, the launch of a stakeholder survey and further development of the CONCERT website public-facing content. It is hoped that the activities will further raise awareness of radiation protection research issues and widen the inputs into developing research priorities over the project life.

WP6

The ongoing work on identifying key infrastructure for radiation protection research in Europe and beyond, as started in DoReMi and OPERRA, was extended by CONCERT in developing criteria for excellent infrastructure in the first year. Increased visibility of infrastructure is provided in the monthly bulletin AIR² and the database AIR²D². This work will be continued and to provide further opportunities for scientists to make better use of existing infrastructures for their research.

WP7

E&T is seen as an integral part of excellence and sustainability of science in radiation protection. Experience from courses and other training activities carried out in the first two years of CONCERT will be used to call for new courses and other training activities in the third year.

1.3 Correspondence with the Description of Work - Annex 1

The basic concept of the CONCERT EJP is a cyclical workflow on an annual basis to prepare for open scientific calls. This work flow starts in close collaboration with the research platforms in WP2 from research needs in radiation protection as documented in the long-term SRA and in short-term research priorities. The documented research needs from the different sectors are consolidated in joint research priorities and a research roadmap in WP3. This cyclical work flow is supported by integrative activities in WP 5 (Stakeholder involvement), WP 6 (Access to research infrastructure) and WP 7 (E&T), which provide input into WP3. The final output of WP3 is the basis for the open call announcements in WP4 for challenge-driven research projects characterised by scientific excellence and maximised integration potential related to access to infrastructure, E&T of young scientists, participation of research partners from newer Member States. Beside this input in the annual cyclical work flow the integration WP provide the grounds for sustainable integration activities.

A new work package “WP9” has been added, which objective is to bring together RTD activities selected through the two open calls for research projects organised along the CONCERT project. As a result of the first transnational call for proposals on “Radiation Protection Research in Europe” through the EJP CONCERT, launched in June 2016, three projects are actually forming the three first tasks of the WP9.

1.3.1 WP1

The primary activity of WP1 during month 25 to 36 of the CONCERT EJP is to conclude grant agreements following the evaluation of the 2017 Call for proposals and supportive activities along with publishing the second call for proposals.

1.3.2 WP2

One of the main inputs from the research platforms MELODI, ALLIANCE, NERIS and EURADOS in the CONCERT EJP are their respective sectorial SRA, research priorities and road maps. These are developed and updated regularly. In month 25 to 36 of the CONCERT EJP the research platforms will update their SRA-statements which directly serve as input for WP3. Research topics related to radiation protection in medicine will initially be included in the SRA-statements from MELODI and EURADOS, respectively, as agreed in MoU of the platforms with relevant professional associations in medicine. In parallel CONCERT will support these relevant professional associations in medicine to establish a fifth research platform in the medical field by following up initiatives in OPERRA and CONCERT. Research perspectives of social sciences and humanities on radiation protection research as a whole have been initiated by CONCERT in the first year for input in WP3 in the second open call. Work on long-term roadmaps will be continued (deliverable D2.5 to be provided by month 30).

1.3.3 WP3

The second year is crucial to continue elaboration of a joint roadmap in radiation protection research. Stakeholder consultation on the draft roadmap will be continued in the third year. Research priorities will become clear and a financial plan will be proposed. Validation of a first version of the roadmap is foreseen in M36.

1.3.4 WP4

Following the lessons learned from the first call for proposals, WP4 set up all the procedures and structures required to start CONCERT's second open transnational call. The second call for proposals will be launched within the second year of CONCERT, and WP4 will be responsible for the organization of the evaluation of the submitted proposals. International experts from the expert database provided by the CONCERT coordination team will be invited to participate in the evaluation process. The allocation of proposals will be managed by the CSC. After remote evaluation, proposals will be ranked by the PRP members in a physical PRP meeting. Two ranking lists – one for Topic 1 and one for Topic 2 – will be established by the PRP and provided to WP1.

1.3.5 WP5

In the third year of CONCERT WP5 will concentrate on continuing to bring the Stakeholder Engagement Strategy to life. In particular, efforts will focus on establishing the Stakeholder group and holding its first meeting. In parallel, specialist information about CONCERT and its research programme will be developed and regularly updated to be presented on the CONCERT web site. Additionally, the stakeholder survey will be launched and the public-facing website content will be further developed.

1.3.6 WP6

Access to state of the art infrastructures for radiation protection research is an important condition for scientific excellence. WP6 will promote the visibility of such infrastructures making them known to the community, by developing and updating quality criteria for infrastructure and by helping to get access to it. During the third project year, the portal "Access to Infrastructures for Radiation protection Research Documented Database" (AIR²D²) will be continued as well as the regular publication of information about infrastructures in the bulletin AIR². Strategies to develop harmonized practices and protocols to strengthen and expand databases from past radiological experiments and from stored biological material according to the action plans will be proposed as well as additional strategies for facilitating access to infrastructures.

1.3.7 WP7

E&T is one of the corner stones for sustainable research in the field of radiation protection and for translational activities towards integration of scientific knowledge in professional daily routine. In parallel WP7 will continue to organise open calls for targeted E&T courses in prioritized research areas as identified by joint programming in WP3.

Annual Work Plan Activities

1.4 Annual Work Plan

1.4.1 Structure of the Annual Work Plan

In year 3 CONCERT will focus on maintaining and improving the structures and procedures to manage and administer the EJP with the goal to finalise the second open transnational call. All CONCERT WPs are integrated into this cyclical work flow, which is in principle designed to start with an update of the joint strategic research agenda, the formulation of research priorities by joint programming and finally the funding and monitoring of research projects which fulfil all the requirements of scientific excellence and integration.

Cross-cutting through this cyclical workflow are WP dedicated to integrate activities which on one side have input through interfaces into the cyclical work flow and on the other side have the target for a sustainable support of radiation protection research. These principle work flows, one cyclical, and one more or less continuous are described in the CONCERT proposal. However, the same principles give the AWP a clear structure.

Activities in the AWP are listed as WP activities. Due to the large number of POM as CONCERT participants and many institutions actively involved in CONCERT activities as LTP in addition to the strong involvement of the research platforms with their large active membership a breakdown of the annual activities further down as WPs and Tasks results in low person-month involvement of some CONCERT participants and LTPs. However, the mission of CONCERT and the research platforms to encourage institutions to become active partners in radiation protection research in Europe make it necessary to plan for these active partners at least one meeting per year to interact and exchange information.

1.4.2 Timing of the different programmed activities and their components

		Year 3											
		Q1			Q2			Q3			Q4		
		25	26	27	28	29	30	31	32	33	34	35	36
WP1:	Project coordination & management												
	meetings (kick-off, periodic meetings)												
Task 1.1:	Overall legal, contractual, administrative management and financial management												
Task 1.2:	Consortium, Executive and Management Board meetings												
Task 1.3:	Updating the rolling annual work plan												
Task 1.4:	External Scientific Advisory Board for the evaluation of CONCERT												
Task 1.5:	Negotiation of projects to be funded through CONCERT open research calls												
Task 1.6:	Funding decision process for integration activities listed in the approved annual work program												
Task 1.7:	Attracting new members to the CONCERT EJP Consortium												
Task 1.8:	Public CONCERT webpage and a secure internal web-based work space												
WP 2:	Integration and SRA development in radiation protection research												
Task 2.1:	Development of Strategic Research Agenda, roadmap and priorities for research on low dose risk												
Task 2.2:	Development of Strategic Research Agenda, roadmap and priorities for research on radioecology												
Task 2.3:	Development of Strategic Research Agenda, roadmap and priorities for research on emergency preparedness and response												
Task 2.4:	Development of Strategic Research Agenda, roadmap and priorities for research on dosimetry												
Task 2.5:	Development of Strategic Research Agenda, roadmap and priorities for research with the medical scientific community												
WP 3:	Priority research and joint programming needs in the perspective of European Integration												
Task 3.1:	Integration of SRAs and research priorities from research platforms and national programs												
Task 3.2:	Joint priority setting												
Task 3.3:	Joint roadmap development for a long term strategy of radiation protection research in Europe												
WP 4:	Organization and management of CONCERT open RTD Calls												
Task 4.1:	Setting up a joint Call Secretariat												
Task 4.2:	Preparation of the Open Call documents and launch of the call												
Task 4.3:	Implementation of the open call												
Task 4.4:	Monitoring of the calls and the funded projects												
WP 5:	Stakeholder involvement and communication in radiation protection research												
Task 5.1:	Strategy for public and societal stakeholder engagement												
Task 5.2:	Establish a stakeholder group												
Task 5.3:	Interaction with the civil society, including use of social media for stakeholder communication												
Task 5.4:	Development of general and specialist information for the CONCERT website												
WP 6:	Access to infrastructures												
Task 6.1:	Promote the visibility of selected research infrastructures												
Task 6.2:	Harmonize Practices and Protocols												
Task 6.3:	Strategy for Facilitating Access to infrastructure												
WP 7:	Education and training												
Task 7.1:	Attracting and retaining students and junior scientists into the Radiation Protection research fields												
Task 7.2:	Education and training as an essential part of dissemination and knowledge management within CONCERT												
Task 7.3:	Targeted E&T initiatives												
Task 7.4:	Coordination and collaboration on E&T policy and strategy												
Task 7.5:	European integration of junior scientist career development												
WP 8:	Ethics												
WP 9:	Research projects selected through CONCERT open calls												
Task 9.1:	CONFIDENCE												
Task 9.2:	LDLensRad												
Task 9.3:	TERRITORIES												

1.4.3 Detailed work description:

1.4.3.1 WP1 Project coordination & management

Set of Activities Number	1						Start date	M 25
Set of Activities Title	Project coordination & management							
Participant number	1	4	3	5	24	29	25	
Participant short name	BfS	ANR	SCK•CEN	DH-PHE	FCT	VUJE	IMROH	
Person-months per participant	51	0.6	0.6	0.2	0.2	0.2	0.2	
Participant number	27	30	31	8				
Participant short name	IFA	UT	RSC	MELODI	Σ all other MB members			
Person-months per participant	0.6	0.2	0,2	-	2,68			

Objectives

Task of WP1 is to coordinate the CONCERT EJP.

The main objectives of the third project year are:

The purpose of WP “Consortium coordination and management” is to ensure the most effective administrative and financial management of the consortium with a view to reaching a good synergy between the partners. The overall objective of the managerial organisation is to provide necessary structures for participatory and efficient decision-making and coordination of activities, fluent day-to-day management including flow of information and financing (including the establishment of contracts with CONCERT Grantee Consortia and CONCERT external contractors), reporting to EC, as well as providing support and guidance on consortium activities.

Description of programmed activities**Task 1.1 – Overall legal, contractual, administrative management and financial management (BfS)**

Key activities during year 3 are:

- Monitoring the compliance of beneficiaries with their obligations under the grant agreement
- Monitoring the progress of the project and review the deliverables and reports to verify consistency with the project objectives
- Collection of information from the partners about achievements in relation to the objectives every 12 months in order to ensure efficient follow-up of the project progress and proper reporting to EC.
- Updating the Grant Agreement as necessary.
- Administration of the EC financial contribution regarding its allocation between beneficiaries and activities, in accordance with the grant agreement and the decisions taken by the consortium.
- Keeping the records and financial accounts

Task 1.2 – Consortium, Executive and Management Board meetings (BfS, MB members)

Key activities during year 3 are:

- Organisation of periodic MB meetings in connection with reporting periods
- Organisation of regular ExB meetings (about 3-4 times per year).

Task 1.3 – Updating the rolling annual work plan (AWP) (BfS, MB members)

Key activities during year 3 are:

- Update of the AWP
- Submission of the AWP together with the annual project report to the EC not later than month 33 of the project year 3

Task 1.4 – External Scientific Advisory Board (ESAB) for the evaluation of CONCERT (BfS, MB members)

Key activities during year 3 are:

- Provision of all relevant materials and information to enable ESAB to carry out its tasks as described in the ToR
- Organisation of the annual ESAB meeting

Task 1.5 – Negotiation of projects to be funded through open RTD calls (BfS, ANR, MB members)

Key activities during year 3 are:

- Organisation of the second CONCERT Financial Meeting of the MB.
- Preparation of draft contracts by the CONCERT coordinator
- Negotiation of the contracts with the coordinators of successful proposals of the second call by the CONCERT coordinator
- Signature of the grant contracts by the coordinator on behalf of the CONCERT EJP and by the grantee

Task 1.6 – Funding decision process for integration activities listed in the approved annual work programme (BfS, ExB members, MB members)

Key activities during year 3 are:

- Proposal by the coordinator and decision by the ExB on the funding of integration activities as listed in the AWP.
- When it is suggested by the ExB that an integration activity be performed, in part or in total, by one or more external entities, the Coordinator launches a European public procurement procedure to identify and contract with such entities for the delivery of the required services
- Conclusion of contracts between CONCERT coordinator and course providers and grantees receiving travel grants as proposed by WP7

Task 1.7 – Attracting new members to the CONCERT EJP Consortium (IFA, BfS, FCT, VUJE, IMROH, RSC, UT)

Key activities during year 3 are:

- Establishment of links to national EURATOM contact points and institutions responsible for scientific and regulatory aspects of radiation protection to promote CONCERT integrative activities
- Invitation to new POMs from partner countries as well as new countries to join the CONCERT Consortium

Task 1.8 – Public CONCERT web page and a secure internal web-based work space (SCK•CEN, DH-PHE, BfS)

Key activities during year 3 are:

- Maintaining and updating the secure internal workspace
- Hosting the main CONCERT archive for the management of internal documents on the workspace
- Maintaining and updating the public CONCERT website.

Task 1.9 – Establishment of an expert database for the reviewing processes of CONCERT (MELODI; MB members)

Key activities during year 3 are:

- Starting in year two the expert database is being updated for the evaluation process of the second call

Deliverables

D1.3 – Third periodic report to the EC in accordance with the provisions of the consortium contract (M33)

1.4.3.2 WP2 Integration and SRA development in radiation protection research

Set of activities number	2	Start date						M 25
Set of activities title	Integration and SRA development in radiation protection research							
CONCERT Consortium Members								
Participant number	1	2	3	5	6	7	8	
Participant short name	BfS	STUK	SCK-CEN	DH-PHE	CEA	UniPv	MELODI	
Person-months per participant	4,5	1,99	4,5	1,45	0,6	2,1	-	
Participant number	9	10	11	12	14	15	16	
Participant short name	ALLIANCE	NERIS	EURADOS	IRSN	CIEMAT	NRIRR	MTA EK	
Person-months per participant	-	-	-	3,67	1,4	1,5	0,5	
Participant number	18	19	20	21	22	23	25	
Participant short name	HMGU	MUW	ENEA	ISS	NRPA	RIVM	IMROH	
Person-months per participant	1,7	0,2	0,54	0,8	0,6	0,2	0,4	
Participant number	28	29	30	32	33	34	36	
Participant short name	EEAE	VUJE	UT	UL	UEF	GIG	APA	
Person-months per participant	0,2	0,6	0,2	0,2	4,0	0,13	0,33	
Linked Third Parties								
LTP short name / linked to	DTU/NERIS	MUTADIS/NERIS	UMIL/NERIS	PTB/EURADOS	IST/EURADOS	RBI/EURADOS	IFJ PAN/EURADOS	
Person-months per LTP	0,2	0,4	0,2	0,2	0,2	0,2	0,2	
LTP/Participant short name	SL/EURADOS	CEPN/IRSN	SU/MELODI	CREAL/CIEMAT	KIT/HMGU	HZDR/HMGU	NMBU/NRPA	
Person-months per LTP	0,2	2	0,2	0,4	1	0,5	0,2	
LTP/Participant short name	CTU-FBME / SURO	NRI/SURO						
Person-months per LTP	0,4	0,2						

Description of programmed activities**Task 2.1 - Development of Strategic Research Agenda, roadmap and priorities for research on low dose risk (MELODI, Bfs, MTA-EK, DH-PHE, HMGU, IRSN, STUK, ENEA; UEF, UniPv, CEA; LTPs: CTU-FBME, CREAL, SU, UEF)**

Key activities during year 3 are:

- The list of priorities based on existing SRA is prepared by month 25. Subject to extra funding, this is input to Joint Programming (WP3).
- Developing long-term roadmap
- Evaluate the impact of draft joint roadmap scenarios on SRA

Task 2.2 - Development of Strategic Research Agenda, roadmap and priorities for research on radioecology (ALLIANCE, IRSN, SCK-CEN, Bfs, STUK, HMGU, CEA, CIEMAT, UEF; LTPs: HZDR)

Key activities during year 3 are:

- The list of priorities based on existing SRA is prepared by month 25. Subject to extra funding, this is input to Joint Programming (WP3).
- Developing long-term roadmap
- Evaluate the impact of draft joint roadmap scenarios on SRA

Task 2.3 - Development of Strategic Research Agenda, roadmap and priorities for research on emergency preparedness and response (NERIS, SCK-CEN, Bfs, DH-PHE, VUJE, IRSN, CIEMAT, NRPA, STUK, UEF; LTPs: DTU, CEPN, KIT, MUTADIS)

Key activities during year 3 are:

- The list of priorities based on existing SRA is prepared by month 25. Subject to extra funding, this is input to Joint Programming (WP3).
- Developing long-term roadmap
- Evaluate the impact of draft joint roadmap scenarios on SRA

Task 2.4 - Development of Strategic Research Agenda, roadmap and priorities for research on dosimetry (EURADOS, HMGU, IRSN, SCK-CEN, CIEMAT, DH-PHE, ENEA, ISS, CEA, UEF; LTPs: PTB, IFJ, SL, RBI, IST)

Key activities during year 3 are:

- The list of priorities based on existing SRA is prepared by month 25. Subject to extra funding, this is input to Joint Programming (WP3).
- Developing long-term roadmap
- Evaluate the impact of draft joint roadmap scenarios on SRA (36)

Task 2.5 - Development of Strategic Research Agenda, roadmap and priorities for research with the medical scientific community (UniPv, Bfs, MUW, IRSN, NRPA, STUK, ISS, CEA, UEF; LTPs: CREAL, CTU-FBME)

Key activities during year 3 are:

- The work for the development for joint SRA for radiation protection in medicine will be finalised.
- Joint research needs and priorities addressing radiation protection research relevant for medical use of radiation is prepared. Subject to extra funding, this serves as input to Joint Programming (WP3).
- Evaluate the impact of draft joint roadmap scenarios on SRA
- Organising meetings with stakeholders in the medical scientific community.

Task 2.6 - Creating a Strategic Research Agenda on Social Sciences and humanities in Radiation Protection (SCK-CEN, BfS, IRSN, EEAE, ISS, NRPA, VUJE, IMROH, UEF; LTPs: MUTADIS, CEPN, NMBU, UNIMI, UEF)

This work is divided into three sub-task groups: 1) Ethics and justification 2) Risk communication and perception, and 3) safety culture.

Key activities during year 3 are:

- Work for the Strategic Research Agenda for the integration of social sciences and humanities in radiation protection research will continue. The first SRA will be revised (36)
- Organizing reflection groups with professionals and experts with expertise in social sciences and humanities applied in radiation protection-related topics.
- Meeting(s) of reflection groups interested in social sciences and humanities, with focus on ethics, risk perception and risk communication, and safety culture.
- Stakeholders in social sciences and humanities are consulted.
- Subject to extra funding, input to Joint Programming is provided by identifying joint research needs and priorities.

Task 2.7 – Research and innovation supporting the implementation of the revised European Basic Safety Standards (NRIRR, STUK, IRSN, BfS, VUJE, ISS, RIVM, IMROH, UEF, UT; LTPs: UJV, UEF)

Key activities during year 3 are:

- Contacts with Art. 31 group and HERCA will continue and possibilities for joint activities searched. Feedback on long-term roadmap scenarios will be surveyed.
- The work for the identification of national level research needs will continue.
- Subject to extra funding, input to Joint Programming (WP3) is provided by identifying joint research needs and priorities.

Deliverables

- D2.5 Long-term roadmaps for MELODI, ALLIANCE, NERIS and EURADOS (M30)
- D2.9 Annual SRA Statements from MELODI, ALLIANCE, NERIS and EURADOS (3) (M25)
- D2.10 Joint research needs and priorities addressing radiation protection research relevant for medical use of radiation and communication/risk perception in radiation protection field (3) (M30)
- D2.12 Revised SRA on social sciences and humanities in RP (M36)

1.4.3.3 WP3 Priority research and Joint programming needs in the perspective of European Integration

Work package number	3			Start date													M 25
Work package title	Priority research and joint programming needs in the perspective of European integration																
Participant Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Short name of participant	BfS	STUK	SCK-CEN	ANR	DH(PHE)	CEA	UniPv	MELODI	ALLIANCE	NERIS	EURADOS	IRSN	SSM	CIEMAT	NRIR (OSSKI)	MTA-EK	
Person-month per participant	0,60	0,1	4,8	0,02	1,45	0,44	0,44	0,00	0,00	0,00	0,00	1,50	0,02	0,44	0,44	0,44	
Participant Number	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Short name of participant	NCRRP	HMGU	MUW	ENEA	ISS	NRPA	RIVM	FCT	IMROH	SURO	IFA	EEAE	VUJE	UT	RSC	UL	
Person-month per participant	0,0,35	0,0,44	0,05	0,6	0,14	0,14	0,14	0,00	0,02	0,2	0	0,02	0,02	0,02	0,02	0,0	
Participant Number	33	34	37														
Short name of participant	UEF	GIG	JSI	DTU/NERIS	MUTADIS/NERIS	UMIL/NERIS	PTB/EURADO	IST/EURADO	RBI/EURADO	IFJ	SL/EURADOS	CEPN/IRSN	ENSTTI/IRSN	SU/MELODI	CREAL/CIEMAT	KIT/HMGU	
Person-month per participant	0,47	0,13	0,33	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,02	0,5	0,02	0,02	0,02	0,5	
Participant Number																	
Short name of participant	GSI/HMGU	FZJ/HMGU	HZDR/HMGU	Jülich/HMGU	NMBU/NRPA	CTU/SURO	NRI/SURO	IFIN-HH/IFA-MG									
Person-month per participant	0,02	0,05	0,02	0,02	0,25	0,04	0,32	0,12									
Participant Number																	

Objectives

WP3 aims at joint programming for the entire field of radiation protection research, by developing joint research priorities and a joint long-term road map.

The main objectives of WP3 for the 3rd year are:

1. Elaboration of a joint roadmap through stakeholder consultation
2. Proposal of a long-term research plan with according budget estimation

Description of Programmed Activities**Task 3.1 – Integration of SRAs and research priorities from research platforms and national programs (proposed lead: BfS; Partners: the representatives of the RP association, all CONCERT partners)**

In the Grant Agreement, no funding is available for a 3rd open call. Should this situation change, T3.1 could support by:

- Collection of input provided by WP2 including (1) the existing radiation protection platforms, (2) priorities from radiation protection in medicine and (3) radiation protection related social sciences and humanities
- Collection of input provided by CONCERT Management Board members.
- Analysis of abovementioned input, to prepare for joint priority setting in Task 3.2.

Task 3.2 – Joint priority setting (lead: SCK-CEN; partners: all CONCERT partners)

- In the Grant Agreement, no funding is available for a 3rd open call. Should this situation change, T3.2 could support this call as follows: In Task 3.2 the draft list of priorities of Task 3.1 will be supplemented with research needs to support implementation of the revised Basic Safety standards and with relevant research priorities suggested by stakeholders (provided by WP5).
- Research priorities will be formulated in such a way that they include requirements for E&T integrative activities (provided by WP7) and include guidance for access to research infrastructures (provided by WP6).
- Analysis of other funding sources for radiation protection research, to avoid double funding.
- Analysis of the outcome of the 1st CONCERT call,
- Analysis of research progress within and lessons learned from former radiation protection research projects.
- Identification of a limited number of priorities for the second call taking into account general call conditions decided by the CONCERT Management Board and the limited duration of the winning projects
- Open consultation on draft call priorities.
- Submission of draft call priorities to the CONCERT Management Board.
- Adaptation of draft call priorities if needed after CONCERT MB consultation for final approval.

Task 3.3 – Joint roadmap development for a long term strategy of radiation protection research in Europe (lead: MELODI; partners: ALLIANCE, EURADOS, NERIS, all CONCERT partners)

Key activities during year 3 are:

- Consultation of the stakeholders such as regulators, industry, associations, and the public, as well as ICRP. This is important; as the aim is that, the roadmap is based on societal needs rather than the needs seen by the scientific community itself. In this way, the Roadmap will help to convince decision makers to provide the research framework, in terms of resources needed for the next ~20 years
- A validation report of the Joint Roadmap will be prepared in M36

Deliverables

D3.4 First joint Roadmap draft (M23)

D3.3 If extra funding is available: Third Annual Joint priority list (M33)

1.4.3.4 WP4 Organization and management of CONCERT open RTD Calls

Set of Activities number	4	Start Date or Starting Event				M 25
Set of Activities Title	Organization and management of CONCERT open RTD Calls					
Participant Number	4	13	26	35		
Short Name of Participant	ANR	SSM	FCT	MINECO		
Person-months per Participant	4	0,8	0,8	0,33		

Objectives

WP 4 will administer the CONCERT open research call process.

The main objectives of the third project year are:

- Launch and completion of the second CONCERT open research call
- Preparation of the follow-up of projects funded in the first CONCERT open research call (including the preparation of Mid-term and Final report templates)

However, the launch of the second call is still pending and waiting for EC approval.

Description of Programmed Activities

Task 4.1 – Setting up a Joint Call Secretariat (JCS) (ANR)

Key activities during year 3 are:

- The JCS will be set up at ANR for the second CONCERT open research call

Task 4.2 - Preparation of the Open Call documents and launch of the call (ANR, SSM, FCT)

Key activities during year 3 are:

- The second CONCERT open research call will be launched
- All call documents will be made available on the CONCERT website after validation of the call text and the call conditions by the EC

Task 4.3: Implementation of the open call (ANR, SSM, FCT)

Key activities during year 3 are:

- Establishment of the Ranked Lists of eligible Projects for the second CONCERT open research call by the PRP members

Task 4.4: Monitoring of the calls and the funded projects (ANR, SSM, FCT)

Key activities during year 3 are:

- Preparations of the Lessons learned of the second CONCERT open research call
- Preparation of the documents for the monitoring of funded projects including the Mid-term and Final Report

Deliverables

D4.5 Final ranking list and Joint selection list of the projects to be funded from the joint international peer review of full proposals for the CONCERT open RTD Call 2 (M27)

1.4.3.5 WP5 Stakeholder involvement and communication in radiation protection research

Set of Activities Number	5	Start Date or Starting Event								M25
Set of Activities Title	Stakeholder involvement and communication in radiation protection research									
Participant Number	5	1	12	2	21	3	29	31	33	LTP
Short name of participant	DH-PHE	BfS	IRSN	STUK	ISS	SCK-CEN	VUJE	UL	UEF	NMBU/NRPA
Person-months per Participant:	13.2	0,1	1.5	0.05	1.0	1	0.5	0.1	0,37	0.5

Objectives

WP5 will promote stakeholder engagement activities and help develop information for the CONCERT website

The main objectives for the third project year are:

- To establish a core stakeholder group and hold an initial meeting
- To finalise and launch a public facing survey
- To help develop core information for the CONCERT web page

Description of Programmed Activities (possibly broken down into tasks), lead partner, role of participants, and relevant Work Package

Task 5.1 Strategy for public and societal stakeholder engagement (Lead: DH-PHE; Partners: ExB members, IRSN, ISS, VUJE; LTP: NMBU/NRPA)

Following the successful development of a stakeholder engagement strategy and its posting on the CONCERT website in December 2015, in the current year the strategy will be refined in the light of comments received.

Task 5.2 Establish a stakeholder group (Lead: IRSN; Partners: ExB members, IRSN, ISS, VUJE; LTP: NMBU/NRPA)

Key activities during year 3 are:

- Identify and appoint key members of a core stakeholder group
- Hold a first CONCERT stakeholder meeting (M30)

Task 5.3 Interaction with the civil society, including use of social media for stakeholder communication (Lead: ISS; Partners: ExB members, IRSN, ISS, VUJE; UL LTP: NMBU/NRPA)

Key activities during year 3 are:

- A public facing survey will be finalise and launched. Drawing on experience within OPERRA, a simple survey to canvas non-specialist stakeholder opinion on the perception of radiation risk, potentially useful information to aid judgements on risk, and areas that could benefit from further research to improve the evidence base and credibility of the system of radiation protection will be developed (M24).
- The public facing survey will be posted on the CONCERT web site (M24).

Task 5.4 Development of general and specialist information for the CONCERT website (Lead: DH-PHE; Partners: ExB members, SCK.CEN, IRSN, ISS, VUJE; LTP: NMBU/NRPA)

Key activities during year 3 are:

- Continued identification and selection of existing web based information on radiation risk and developing appropriate content for the CONCERT website
- Publication of latest developments/achievements (news) to keep the stakeholders informed
- Promotion of upcoming events including but not limited to stakeholder meetings, workshops, courses
- Publication of the second CONCERT call

Deliverables

D5.4 Review and update of website material

1.4.3.6 WP6 Access to infrastructures

Set of Activities number	6							Start date	M 25
Set of Activities title	Access to infrastructures								
	CONCERT Consortium Members								
Participant number	6	1	2	3	7	12	14	32	
Participant short name	CEA	BfS	STUK	SCK-CEN	UniPv	IRSN	CIEMAT	UL	
Person-months per participant	8	0.25	0.15	0.4	0.4	0.25	0.4	0.15	
Participant number	16	17	18	21	22	23	28		
Participant short name	MTA-EK	NCRPP	HMGU	ISS	NRPA	RIVM	EEAE		
Person-months per participant	0.4	0.15	0.5	0.15	0.15	0.5	0.15		
Participant number	33	34							
Participant short name	UEF	GIG	LTP NMBU/ NRPA	LTP SU/ MELODI	LTP GSI/ HMGU	LTP KIT/ HMGU	LTP CTU-FBME/ SURO		
Person-months per participant	0,45	0,07	0.5	0.15	0.15	0.15	0.15		

Objectives

WP 6 aims to increase the visibility of infrastructures fulfilling recommended criteria and facilitate their access to the radiation protection research community.

The main objectives for the third project year are:

- To implement the portal “Access to Infrastructures for Radiation protection Research Documented Database” (AIR²D²) (continued),
- To publish regular information about infrastructure in the bulletin AIR² (continued),
- To develop harmonization practices and protocols, to strengthen and expand databases from past radiological experiments and from stored biological material according to the action plans issued at M24,
- To develop additional strategies for facilitating access to infrastructures.

Description of Programmed Activities

Task 6.1 Promote the visibility of research infrastructures (Lead: NMBU; Partners: IRSN, CIEMAT, CEA, BfS, STUK, SCK-CEN, UniPv, MTA-EK, NCRPP, HMGU, ISS, NRPA, RIVM, EEAE, UEF, UL, LTP: SU, GSI, KIT, CTU-FBME)
Key activities during year 3 are:

- Implementation of the database AIR²D² (lead: CEA).
- Increase the number of infrastructures included in AIR²D² (lead: IRSN).
- Publication of the monthly bulletin AIR² (10 issues per year) (lead: CEA).

Task 6. 2 Harmonize Practices and Protocols (Lead: RIVM; Partners: BfS, MTA-EK, SCK-CEN, CEA, CIEMAT all WP6 partners)

Key activities during year 3 are:

- Improvement of STORE database for archived data and samples, and linked databases or sample banks. Deployment of actions for its exploitation issued for the chosen strategy (lead: BfS),
- Deployment of actions issued from the action plan on incrementing the database with past and on-going studies (lead: MTA-EK),
- Deployment of actions issued from the action plan built after the review of possible approaches that could be performed on archived materials (lead SCK-CEN),
- Development of identified harmonization exercises (lead: CEA).

Task 6.3 Strategy for Facilitating Access to infrastructure (Lead: CEA; Partners: all WP6 partners)

Key activities during year 3 are:

- Deployment of the action plan about funding possibilities for facilitating access to infrastructures (lead: CEA),
- Deployment of actions with WP7 for using infrastructures during E&T courses (lead: UniPv).

Deliverable

D6.4 Publishing the first version of a web-Handbook based on the newsletters each featuring a different type of infrastructure and their access (including funding) (M36)

1.4.3.7 WP7 Education and training

Set of Activity number	7						Start Date	M 25	
Set of Activity Title	Education and Training								
Participant Number	7	1	3	6	14	15	16	17	
Short Name of Participant	UniPv	BfS	SCK•CE N	CEA	CIEMA T	NRIRR	MTA-EK	NCRRP	
Person-months per Participant	8	0.4	1	0.2	0.2	1	0.2	0.2	
Participant Number	18	19	20	25	28	29	30	33	
Short Name of Participant	HMGU	MUW	ENEA	IMROH	EEAE	VUJE	UT	UEF	
Person-months per Participant	1	0.2	0.24	0.2	0.2	0.2	0.2	0,49	
Participant Number	LTP	LTP	LTP	LTP	LTP	LTP			
Short Name of Participant	IST/EU RADOS	ENSTTI /IRSN	CREAL/ CIEMA T	NMBU/ NRPA	SU/ME LODI	Jülich/HM GU			
Person-months per Participant	0.2	0.2	0.2	0.2	1	0,2			

Objectives

WP7 aims to maintain an Education and Training (E&T) programme as an integral part into CONCERTs research programme activities.

The main objectives for the third project year are:

- Providing support for students and young post-doctoral researchers to European E&T by offering grants for training and travel
- Promoting E&T as an intrinsic part of knowledge management and dissemination of new science, through the provision of training courses, workshops and seminars within the CONCERT research programme.
- Organisation and sponsorship of targeted initiatives in order to promote the specialised skills and knowledge needed to maintain the full competence of the research community and to disseminate research results and stimulate exchanges; organising a second call for E&T short courses.
- Coordination and collaboration with all research platforms and the wider industry and regulatory interests in order to take advantage of common policies, resources, and funding streams.

- Encouraging the integration of junior scientists into the European radiation risk research community

Description of Programmed Activities

Task 7.1 – Attracting and retaining students and junior scientists into the Radiation Protection research fields (Task leader: SU, Task participants: UniPv, HMGU, NMBU, NRIRR, MTA-EK, SCK•CEN, MUW, IST, UT)

Key activities during year 3 are:

- The rolling call for travel grant applications will continue, and be actively promoted.
- Contact will be made with key EU universities and E&T institutions in order to initiate a dialogue on transferability and mutual recognition of competences acquired abroad. A meeting will be organised to discuss problems and possible solutions leading to Deliverable D7.6

Task 7.2: Education and training as an essential part of dissemination and knowledge management within CONCERT (Task leader: NRIRR, Task participants: SCK•CEN, UniPv, NCRRP, SU, MUW, VUJE, CEA, MTA-EK, NMBU, CREAL, STUK)

Key activities during year 3 are:

- The projects funded through the two CONCERT calls will be monitored and the incorporation of E&T will be assessed, leading to Deliverable D7.7. Collaboration between project E&T initiatives and existing CONCERT E&T activities will be encouraged.

Task 7.3: Targeted E&T initiatives (Task leader: UniPv, Task participants: NRIRR, NCRRP, HMGU, SU, CEA, MUW, MTA-EK, SCK•CEN, NMBU, CREAL, STUK)

Key activities during year 3 are:

- A third open call will be made in collaboration with Task 1.6 for institutions to organise short courses (up to 3 weeks length), summer schools, or teaching seminars on topics of relevance to the CONCERT research programme, to be held during the academic year 2017-2018. Short courses will be at the MSc /PhD level. Applications for course grants will be initially adjudicated by the E&T Committee, then recommended applications will be submitted to the CONCERT ExB for approval.

Task 7.4: Coordination and collaboration on E&T policy and strategy (Task leader: SCK•CEN, Task participants: BfS, HMGU, UniPv, NRIRR, VUJE, CEA, MTA-EK, ENEA, EEAE, ENSTII, UT, IST, NMBU, CREAL, STUK, IMROH, EURADOS)

Key activities during year 3 are:

- The annual E&T Forum will be hosted by CONCERT to be held in conjunction with the 2nd European Radiation Protection Week, October 10-12 2017 (Paris) in order to bring together all groups with interests in E&T for radiation protection and related topics, and to showcase the work being done by CONCERT.
- Updated information on E&T will be presented on the CONCERT webpage.

Task 7.5: European integration of junior scientist career development (Task leader: HMGU, Participants: UniPv, NRIRR, CIEMAT, IST, VUJE, CEA, MUW, MTA-EK, UT, NCRRP, IMROH, NMBU)

Key activities during year 3 are:

- Organise a half-day long session on current EURATOM radiation protection research at the RAD17 meeting in Budva, Montenegro in June 2017.

Deliverables

- D7.3 3rd Annual report on awards and grants given (M36)
- D7.6 Report on potential transferability and mutual recognition of E&T credits and qualifications in Europe (M36)
- D7.7 1st Report on E&T activities such as student placement, courses seminars, workshops, etc. in RTD Call 1 (M36)
- D7.11 3rd annual report on E&T initiatives funded under Task 7.3, including participant feedback and recommendations for next calls (M36)
- D7.15 3rd annual report on the progress of Task 7.4 (M36)

1.4.3.8 WP8 Ethics

This work package sets out the 'ethics requirements' that the project must comply with. If there are any changes of the 'ethics requirements' that the project must comply with included as deliverables in this work package the corresponding deliverable will be updated by the CONCERT coordinator as WP leader accordingly.

1.4.3.9 WP9 Research projects selected through CONCERT open calls

Set of Activity number	9	Start Date	M20
Set of Activity Title	Research projects selected through CONCERT open calls		

Objectives

The objective of WP9 is to bring together RTD activities selected through the two calls for research projects organised along the CONCERT project. As a result of the first Transnational Call for proposals on “Radiation Protection Research in Europe” through the EJP CONCERT, launched in June 2016, the three call winning projects are actually forming the three first tasks of the WP9: CONFIDENCE (Task 9.1) aims to close existing gaps in several areas, concentrating on the early and transition phases of an emergency but also dealing with longer-term decisions made during these phases; LDLEnsRad (Task 9.2) aims to bring together experts from across Europe to answer a number of key research questions on this topic, including: how does low dose radiation cause cataracts; is there a dose rate effect, and how does genetic background influence cataract development after radiation exposure; and TERRITORIES (Task 9.3) targets an integrated and graded management of contaminated territories characterised by long-lasting environmental radioactivity, filling in the needs emerged after the recent post-Fukushima experience and the publication of International and European Basic Safety Standards.

Description of Programmed Activities

The 3 call winning projects started implementation in January 2017 (M20) by putting the project plans as submitted with their proposals into action. The respective project coordinator will coordinate and direct project resources to meet the objectives of the project plan and will monitor all activities necessary to produce the deliverables.

Deliverables

Deliverables of WP 9 cover the time frame Jan 2017 (M20) - May 2018 (M36), since projects started in January 2017

Task 9.1 (CONFIDENCE)

- D9.18 Methodology design of the multi-method consultation process (M22)
- D9.38 Establishing of the management structures of the CONFIDENCE project (M22)
- D9.2 Published dataset of meteorological ensemble data to be used as dispersion and source terms by other WPs (Fukushima and synthetic) (M25)
- D9.3 Published sets of probability maps of threshold exceedance for scenarios provided to WP4, WP5 & WP6-->01 (M25)
- D9.1 Guideline ranking uncertainties for atmospheric dispersion (M31)
- D9.19 Structured communication technique results (M31)
- D9.26 Paper on planned behaviour in nuclear emergency situations (M35)
- D9.33 Indicators for robust decision making (M35)

Task 9.2 (LDLensRad)

D9.51 Detailed work plan for irradiations (Gantt) (M20)

D9.52 Progress summary and actions-1st year (M31)

D9.55 Year 1 advisory panel report (M31)

Task 9.3

D9.78 TERRITORIES blog (M23)

D9.77 TERRITORIES website (M24)

D9.73 Knowledge gaps to improve E&T (M25)

D9.65 Decision processes/pathways (M27)

D9.79 Flexible funds reports (M27)

D9.75 After each training_1st year (M31)

1.5 Participation in Annual Work Plan activities

Most of the CONCERT consortium partners (participants 1-32) do not plan to involve Linked Third Parties (LTP) or external experts at the initial stage of the CONCERT-EJP project.

Although, potential LTPs are not included in the initial consortium, there will be a chance for inclusion after the first or second call, in case this organisation is member of a successful consortium, pending on an amendment to the grant agreement.

Partner 1: BfS, Germany:

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	Y
<p><i>The STORE website has become an important tool for archiving and data sharing within the radiation protection research community in Europe and worldwide. While it was initially planned for purposes in the research field of MELODI only, it now is of interest also for ALLIANCE. The same accounts to some extent for EURADOS and NERIS, in particular with respect to biological dosimetry.</i></p> <p><i>The STORE website is hosted by BfS at no costs to the CONCERT project; and scientific curation of STORE will be done by BfS staff. Yet, a constant improvement of the website and of the software behind the website is crucial. This applies to both the data base which is fundamental for STORE and the user interface. To maintain and constantly improve the STORE website, to adopt it to the rapid development in international standards of data sharing, to establish links to other archiving and data sharing platforms, and to update the nomenclature used for best possible description of the available information BfS needs support from a subcontractor.</i></p> <p><i>This subcontractor is the University of Cambridge, UK (UCam). UCam set up the STORE platform within the previous STORE project, further developed it within the DoReMi project and prepared the migration from Cambridge to BfS. Further, UCam gave advice regarding data sharing politics and in setting up the nomenclature.</i></p>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	N
at a later stage	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	N
<i>If yes, describe the third party and their contributions</i>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Potential Linked Third Parties to BfS

To be included at a later stage:

BfS is not involving any Linked Third Parties in the beginning of the CONCERT project but foresees this possibility in the later stages of CONCERT, in Calls organised by CONCERT, or other H2020 projects.

In particular, the following universities have long-term cooperation links with BfS:

Ruprecht-Karls-University, Heidelberg:

Contact: Prof. Dr. Michael Hausmann (hausmann@kip.uni-heidelberg.de), Tel. 49 6221 54 9824

Address: Ruprecht-Karls-Universität Heidelberg, Hauptstr. 207 – 209, 69117 Heidelberg

Homepage: <http://www.kip.uni-heidelberg.de/user/hausmann>

Contact: Prof. Dr. rer. nat. Gerhard Glätting (gerhard.glaetting@medma.uni-heidelberg.de), Tel: +49 621/383-4960 (Sekretariat)

Address: Universitätsmedizin Mannheim, Medizinische Fakultät Mannheim der Universität Heidelberg, Medizinische Strahlenphysik/Strahlenschutz, Theodor-Kutzer-Ufer 1-3, D-68167 Mannheim

Johannes Gutenberg University, Mainz, including university hospital:

Contact: Prof. Dr. M. Blettner (maria.blettner@unimedizin-mainz.de) Tel.: 06131 17-3252

Address: Universitätsmedizin der Johannes Gutenberg-Universität Mainz; Institut für Medizinische Biometrie, Epidemiologie und Informatik (IMBEI)

Obere Zahlbacher Str. 69; 55131 Mainz, Homepage: <http://www.unimedizin-mainz.de>

University Düsseldorf including University hospital

Contact: Dr. med. Arndt Borkhardt (lesch@med.uni-duesseldorf.de)

Tel. 49 (0) 211 - 81-17680

Address: Universitätsklinikum Düsseldorf, Moorenstr. 5, 40225 Düsseldorf

Homepage: www.uniklinik-duesseldorf.de/kinderonkologie

Homepage: <http://epi.klinikum.uni-muenster.de/>

Universität des Saarlandes:

Contact: Prof. Dr. Claudia Rübe (claudia.ruebe@uniklinikum-saarland.de)

Tel.: 06841/16-34614

Address: Universitätsklinikum des Saarlandes, Kirrberger Straße, Gebäude 51, D-66421 Homburg/Saar

Homepage: <http://www.uniklinikum-saarland.de/de/>

Uni Hannover: Institute for Radioecology and Radiation Protection

Contact: Prof. Dr. Clemens Walther, walther@irs.uni-hannover.de

Address: Herrenhäuser Str. 2, 30419 Hannover, Tel: +49 511 762 3312

Homepage: <http://www.irs.uni-hannover.de/walther>

Uni Bremen:

Contact: Dr. Helmut Fischer, hfischer@physik.uni-bremen.de => SSK

Head, laboratory of environmental radioactivity and the group of terrestrial environmental physics at IUP Bremen, Universität Bremen, FB 1; Tel. 218-62761

Landesmessstelle für Radioaktivität

Address: Otto-Hahn-Allee, D-28359 Bremen

Homepage: www.radioaktivitaet.uni-bremen.de

Partner 2 STUK:

National Radiation Safety Research Programme

The Finnish Government Resolution on Comprehensive Reform of State Research Institutes and Research Funding took place in September 2013 (document in English). The main goal of the reform is to strengthen multidisciplinary, high-level research of social significance. One line of action was to deepen cooperation

between research institutes and universities. To achieve this goal, the Resolution envisaged a step-by-step integration process leading to centers of competence (agreement-based consortiums). According to government policy, such agreement-based consortia must have common research equipment, laboratories and information resources (e.g. follow-up material, sample material, statistical and register material) as well as engage in close co-operation in research and education (e.g. sharing of mutually complementary competencies, joint professorships and duties, and shared staff). Furthermore, it was envisaged that, within the consortiums, the research institutes and universities form joint campus areas with common functions on a regional basis.

Based on the Government Resolution, a process was initiated in 2013 to strengthen the co-operation between STUK and universities and create a national research consortium that would carry out research on various aspects of ionizing and non-ionizing radiation safety. This process has involved an analysis of scientific disciplines required for radiation protection and surveying the profiles of Finnish universities. Existing collaborations were formalised and additional competencies were identified. By early 2015, the first version of a National Programme for Radiation Safety Research has been prepared in collaboration of STUK and nine universities (link to document). By the end of 2014, seven of these universities had already signed Expressions of Interest with STUK for the formation of a National Consortium for Radiation Safety Research. The formalization of the agreements between STUK and universities is expected to take place during 2015. In addition of STUK, the following universities have contributed to the national programme: Aalto University, Lappeenranta University of Technology, Tampere University of Technology, University of Helsinki, University of Eastern Finland, University of Jyväskylä, University of Oulu, University of Tampere and University of Turku. Research areas for the national programme include health (low dose risk as well as medical use of radiation), environment (radioecology) and emergencies (emergency preparedness and response, security of sources). As cross cutting themes risk assessment, risk management as well as technological development (metrology and dosimetry) are addressed. Overall, the programme is well aligned with the objectives of European radiation protection research platforms (MELODI, ALLIANCE, NERIS and EURADOS), with additional elements relevant for non-ionizing radiation safety, security research and metrology research. Introduction to the European Strategic Research Agendas (MELODI, ALLIANCE, NERIS, EURADOS, EMPIR and CBRN Action plan) was provided in a national stakeholder seminar organized by OPERRA in June 2014.

Based on the Government Resolution, the Agreement on National Consortium for Radiation Safety Research is expected to establish the necessary legal link for the beneficiary-Linked Third Party-relationship between the members of the Consortium. STUK is not involving any Linked Third Parties in the beginning of the CONCERT project but foresees this possibility in the later stages of CONCERT, in Calls organized by CONCERT, or other H2020 projects.

Participant 8: MELODI

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	y
<i>The LTP is a partner of the research platform MELODI and give major expert input in the work of MELODI.</i>	

<i>In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTP.</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
<i>The LTP has special expertise and competence for input in the CONCERT joint programming or integrative activities. Its contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.</i>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Party to MELODI

University Stockholm (SU), Universitetsvägen 10A, SE-10691 Stockholm, Schweden, Tel: +46 8 16 1217, contact: andrzej.wojcik@su.se , and mats.harms-ringdahl@su.se www.su.se/english/

SU is elected member of the MELODI bureau.

Potential Linked Third Parties to MELODI

To be included at a later stage:

European Society of Radiology (ESR), Neutorgasse 9, 1010 Wien, Österreich, T. +43 1 53340640, contact: monika.hierath@myesr.org , <https://www.myesr.org>

European Federation of Organisations for Medical Physics (EFOMP), Fairmount House, 230 Tadcaster Road, York YO24 1ES, UK, T. +44 1904 610 821, contact: office@efomp.org www.efomp.org/

European Association of Nuclear Medicine (EANM), Hollandstrasse 14 / Mezzanine, A-1020 Vienna, Austria, T. +43-(0)1-212 80 30, contact: office@eanm.org, www.eanm.org/

European Federation of Radiographer Societies (EFRS), Catharijnesingel 73, 3511 GM Utrecht, The Netherlands, Contact Person: Dorien Pronk-Larive, contact: info@efrs.eu, www.efrs.eu/

European Society for Radiotherapy & Oncology (ESTRO), T. +32.2.775.93.40, Contact: info@estro.org

Participant 9: ALLIANCE

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	

Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	N
<i>If yes, describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party.</i>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	N
<i>If yes, describe the third party and their contributions</i>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Potential Linked Third Parties to ALLIANCE to be included as soon as possible:

Natural Environment Research Council - Centre for Ecology & Hydrology (NERC-CEH),
 Contact - Prof. Nick Beresford (nab@ceh.ac.uk), Natural Environment Research Council - Centre for Ecology & Hydrology (NERC-CEH), Lancaster Environment Centre, Library Avenue, Bailrigg, Lancaster LA1 4AP, Tel.: +44(0)1524 595800

External Experts to ALLIANCE:

Lorraine Currivan, EPA, (L.Currivan@epa.ie), Environmental Protection Agency (EPA), Office of Radiological Protection, 3 Clonskeagh Square, Clonskeagh Road, Dublin 14, Contact

Prof. Nick Beresford (nab@ceh.ac.uk), [Natural Environment Research Council](http://www.ceh.ac.uk) - Centre for Ecology & Hydrology (NERC-CEH), Lancaster Environment Centre, Library Avenue, Bailrigg, Lancaster LA1 4AP, Tel.: +44(0)1524 595800 Contact

Participant 10: NERIS

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTPs listed below are members of the research platform NERIS.</p> <p>They are key partners in the SRA working group of NERIS and give major expert input in the work of NERIS. In WP 2 and WP3 of the CONCERT joint programming and integrative activities input from the research platforms is required that cannot be covered by other NERIS members. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.</p>	

Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities on behalf of NERIS. Their contribution is expert input in the tasks and deliverables of WP2 and WP3.	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties to NERIS

Technical University of Denmark (DTU), Center for Nuclear Technologies, Frederiksborgvej 399, Building 201, room S56, 4000 Roskilde, Denmark, Tel.: 45 46 77 53 19, Contact Person: Per Roos (roos@dtu.dk), <http://www.dtu.dk/english>

MUTADIS, 5 Rue d'Alsace, 75010 Paris, France, Tel.: 33 (0)1 48 01 88 77, contact: [Gilles Hériard Dubreuil: g.heriard-dubreuil@mutadis.fr](mailto:g.heriard-dubreuil@mutadis.fr), <http://www.mutadis.org>

Università degli studi di Milano (UNIMI), Via Festa del Perdono 7, I-20122 Milano, Italy, Tel. ++39 02503 111, contact: [Marie Claire Cantone: marie.claire.cantone@fisica.unimi.it](mailto:marie.claire.cantone@fisica.unimi.it), <http://www.unimi.it/ENG/>

Partner 11: EURADOS

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTPs are members of the research platform EURADOS.</p> <p>They are key partners in the SRA working group of EURADOS and give major expert input in the work of EURADOS. In WP 2 and WP3 of the CONCERT joint programming and integrative activities input from the research platforms is required that cannot be covered by other EURADOS members. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.</p>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities on behalf of EURADOS. Their contribution is expert input in the tasks and deliverables of WP2 and WP3.	

Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties to EURADOS

Physikalisch-Technische Bundesanstalt (PTB), Bundesallee 100 D-38116 Braunschweig,
Telefon: (05 31) 592-3006, Contact: PTB Helmut Schuhmacher helmut.schuhmacher@ptb.de/
Stefan Neumaier

Campus Tecnológico e Nuclear (CTN), Instituto Superior Técnico (IST), Pólo de Loures do IST, Estrada Nacional 10 (km 139,7), 2695-066 Bobadela LRS, Portugal, Contact: Pedro Vaz (pedrovaz@ctn.ist.utl.pt) / Joao Alves (jgalves@ctn.ist.utl.pt)

Institut Ruđer Bošković (RBI), Bijenička cesta 54, 10000 Zagreb, Croatia, contact: Saveta Miljanic (saveta@irb.hr) Zeljka Knesevic

Instytut Fizyki Jądrowej im. Henryka Niewodniczańskiego PAN (IFJ PAN), Krakow, Poland, contact: Pawel Olko (pawel.olko@ifj.edu.pl)

Seibersdorf Labor GmbH (SL), Forschungszentrum, 2444 Seibersdorf, Austria, [Tel:+43\(0\)50550-2500](tel:+43(0)50550-2500), contact: Hannes Stadtmann (hannes.stadtmann@seibersdorf-laboratories.at)

Partner 12: IRSN

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTPs are research partners of IRSN in its function as national radiation protection research programme manager.</p> <p>In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTPs. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.</p>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
<p>The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities. Their contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.</p>	

Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties to IRSN

Centre d'étude sur l'Évaluation de la Protection dans le domaine Nucléaire (CEPN), 28, rue de la Redoute, F-92260 FONTENAY AUX ROSES, Tel: +33 1 55 52 19 20, contact: thierry.schneider@cepn.asso.fr, <http://www.cepn.asso.fr/en/>

European Nuclear Safety Training und Tutoring Institute (ENSTTI), 12, rue de la Redoute, 92260 Fontenay-aux-Roses – Franc, Phone: +33 (0)1 58 35 72 32, Contact Person: Didier Louvat (didier.louvat@enstti.eu), <http://www.enstti.eu/>

External Experts to IRSN

Dietrich Aeverbeck, IRSN, France
Kevin Prise, QUB, UK

Partner 14 CIEMAT

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties

CREAL-Centre for Research in Environmental Epidemiology, Parc de Recerca Biomèdica de Barcelona, Doctor Aiguader, 88, 08003 Barcelona, contact: Prof. Elisabeth Cardis, ecardis@creal.cat, Tel. +34 932 147 312, www.creal.cat / www.crealradiation.com/

Partner 18 HMGU

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTPs are research partners of HMGU in its function as national radiation protection research programme manager.</p> <p>In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTPs. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.</p>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
<p>The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities. Their contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.</p>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties to HMGU

Karlsruher Institut für Technologie (KIT), Campus North, Building 433, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Tel.: +49-(0)721-608/25525, contact: angelika.bohnstedt@kit.edu

GSI Helmholtzzentrum für Schwerionenforschung (GSI), Planckstraße 1, 64291 Darmstadt, contact: Sylvia Ritter (S.Ritter@gsi.de)

Forschungszentrum Jülich GmbH, Department of Safety and Radiation Protection, D-52425 Juelich, Germany, contact: Dr R Kriehuber (r.kriehuber@fz-juelich.de), Tel: ++49 (0)2461 61-4054

Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Institute of Resource Ecology, , contact:
 Dr. Thuro Arnold (t.arnold@hzdr.de), Tel: ++49 351 260 2432, Prof. Thorsten Stumpf
 (t.stumpf@hzdr.de), Tel. ++49 351 260 3210

Potential Linked Third Parties to HMGU

To be included at a later stage:

German Aerospace Center, Aerospace Medicine (DLR), Linder Höhe, 51147 Köln, Germany
 Tel: ++49 2203 601 3137, contact: Dr. Günther Reitz (guenther.reitz@dlr.de)

Partner 22 NRPA

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTP is a research partner of NRPA in its function as national radiation protection research programme manager.</p> <p>In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTP.</p>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
<p>The LTP has special expertise and competence for input in the CONCERT joint programming or integrative activities. Its contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.</p>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Linked Third Parties to NRPA

Norwegian University of Life Sciences (NMBU), P.O. Box 5003, NO-1432 Ås, Norway,
 +47 67 23 00 00, contact: deborah.oughton@nmbu.no , <http://www.nmbu.no>

Tel.:

Partner 23 RIVM

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	

Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	N
at a later stage	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	N
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N
<i>If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support</i>	

Potential Linked Third Parties to RIVM

To be included at a later stage:

RIVM is not involving any Linked Third Parties in the beginning of the CONCERT project but foresees this possibility in the later stages of CONCERT, in Calls organised by CONCERT, or other H2020 projects.

In particular, the following universities have long-term cooperation links with RIVM:

Erasmus MC, Rotterdam:

Mail address: Postbus 2040, 3000 CA Rotterdam

Leiden University Medical Center (LUMC), Leiden:

Correspondence address: P.O. Box 9600, 2300 RC Leiden, The Netherlands Street address: Einthovenweg 20, 2333 ZC Leiden; Tel. +31 71 526 91 11

Partner 26 Statni ustav radiacni ochrany (SURO) Czech Republic

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
The LTPs are research partners of SURO in its function as national radiation protection research programme manager. In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTPs. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities. Their contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N

If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support

Linked Third Parties to SURO

CESKE VYSOKE UCENI TECHNICKE V PRAZE (CTU); ZIKOVA 4 po box: 000, 16636 PRAHA,

Faculty of Nuclear Sciences and Physical Engineering (FNSPE-CTU), Department of Dosimetry and Application of Ionizing Radiation, Brehová 7, 11519 Prague 1, Czech Republic, Tel.: + 420-22435-8237, contact: Mr. Tomáš Trojek, Ph.D., tomas.trojek@fjfi.cvut.cz, <http://intranet.cvut.cz/en>

Faculty of Biomedical Engineering (FBME CTU), nám. Sítná 3105, 272 01 Kladno, Czech Republic, contact: Dr. Anna Fiserova (fiserova@biomed.cas.cz)

NRI UJV-REZ a.s. Mr. Vladimír Fišer, UJV Rez, a. s., Hlavní 130 - Rez, 250 68 Husinec, Czech Republic, Tel: 420 2 6617 2000

Potential Linked Third Parties to SURO

To be included at a later stage:

JIHOCESKA UNIVERZITA V CESKYCH BUDEJOVICICH (JCU) Branišovská 1160/31a, 370 05 České Budějovice, Tschechische Republik; contact: Friedo Zoelzer zoelzer@zsf.jcu.cz

Nuclear Physics Institute Academy of Science CR (UJF) Czech Republic, CZ-250 68, Rez;

E-mail: ujf@ujf.cas.cz; Website: <http://www.ujf.cas.cz>

Partner 27: Institutul de Fizică Atomică (IFA, Romania)

Does the participant plan to subcontract certain tasks (please note that core tasks of the programme should not be sub-contracted) (article 13 of MGA)	N
<i>If yes, describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties (article 14 of MGA)	Y
<p>The LTPs are research partners of IFA in its function as national radiation protection research programme manager.</p> <p>In WP 2, WP 3, WP5, WP6, and WP7 of the CONCERT joint programming and integrative activities input is required that cannot be covered by the national PM in total. Additional expertise and competence is provided by the LTPs. If the input provided per LTP is less than 0.1 person-month it is not specified in detail and summarized in the amount given for the participant, in case of higher input it is given separately.</p>	
Does the participant envisage the use of in-kind contribution provided by third parties (articles 11 and 12 of MGA)	Y
<p>The LTP have special expertise and competence for input in the CONCERT joint programming or integrative activities. Their contribution is expert input in the tasks and deliverables of WP2, WP3, WP5, WP6 and WP7.</p>	
Does the participant envisage the provision of financial support to third parties (article 15 of MGA)	N

If yes, describe the procedure for selecting the third parties and the range of the envisaged financial support

Linked Third Parties to IFA-MG:

Horia Hulubei National RTD Institute for Physics and Nuclear Engineering (IFIN-HH), Str. Reactorului no.30, P.O.BOX MG-6, Bucharest-Magurele, Romania, Tel.: +(4021) 404.23.00 Webpage: <http://www.nipne.ro/> Contact person: Ana Stochioiu stoc@nipne.ro

Potential Linked Third Parties to IFA-MG

To be included at a later stage:

National RTD Institute for Laser, Plasma and Radiation Physics (INFLPR), Str. Atomistilor, Nr. 409, PO Box MG-36, 077125, Magurele, Bucharest, Romania, Tel.: +40-21-4574550. Webpage <http://www.inflpr.ro/> Contact person: Cătălin Ticoș catalin.ticos@inflpr.ro

National RTD Institute for Materials Physics (INCFM), Atomistilor Str., No. 105 bis PO Box MG 7, 077125, Magurele, Romania, Tel.: +40-(0)21-3690185. Webpage: <http://www.infim.ro/> Contact person: Andrei Gălățanu gala@infim.ro

National RTD Institute for Isotopic and Molecular Technologies (INCDTIM), 67-103 Donat, PO 5 700, 400293 Cluj-Napoca, România, Tel.: +40 264 58 40 37. Webpage: <http://www.itim-cj.ro/en/index.php>; Contact person: Claudiu Filip claudiu.filip@itim-cj.ro

Grigore Antipa National Institute for Marine Research and Development (ICDM-NIMRD), Blvd Mamaia no. 300, Constanta 3, RO-900581, România, Tel.: +40 241 543288, +40 241 540870. Webpage: <http://www.rmri.ro/Home/Home.html?lang=en>; Contact person: Vasile Pătrașcu vpatrascu@alpha.rmri.ro

University of Bucharest, Faculty of Physics (UNIBUC), CP MG - 11, Bucuresti-Magurele, RO – 077125 Romania, Tel.: 4 021 457 4949 contact: secretariat@fizica.unibuc.ro, Web page: <http://www.fizica.unibuc.ro/> Contact person: Ionel Lazanu ionel.lazanu@g.unibuc.ro

State Owned Company “Technologies for Nuclear Energy” (**RATEN**), with the two subsidiaries: **Institute for Nuclear Research (RATEN-ICN [Pitești])**, Campului Str., Nr. 1, POB 78, 115400 - Mioveni, Arges, Romania, Tel.: + 40 248 21.34.00, contact: office@nuclear.ro, office_adj@nuclear.ro, Web page: <http://www.nuclear.ro/en/index.php>, Contact person: Alexandru Toma alexandru.toma@nuclear.ro

Center of Technology and Engineering for Nuclear Projects (RATEN-CITON), 409, Atomistilor Street, Magurele, Judet Ilfov, Romania, Tel.: 021-45 744 31 Contact Person: Adrian Rizea (rizeaa@router.citon.ro), contact: citon@router.citon.ro, Web page: http://www.citon.ro/english_index.html, Contact person: Gabriela Florescu <florescug@router.citon.ro>

Politehnica of Bucharest, Faculty of Applied Sciences (UPB), Splaiul Independentei nr. 313, sector 6, Bucuresti, Romania, Postal cod: RO-060042, Tel.: + 4021-402 98 72, contact:

e_nedelcu@rectorat.pub.ro, Contact person: Ana Maria Popovici popovici@physics.pub.ro

Web page: <http://www.upb.ro/en/the-faculty-of-applied-sciences.html>

Babeş-Bolyai University, Faculty of Physics (UBB-FF), 1 Mihail Kogălniceanu street, 400084 Cluj- Napoca, Tel: + 40 (264) 405300, contact: phys@phys.ubbcluj.ro, Contact person: Decebal-Radu <dr.ciurchea@academic.ro> Web page: http://phys.ubbcluj.ro/index_en.htm

List of participants and their assignment to tasks

No	Participant Status	Participant organization name	Country	WP/ Task
1	Coordinator, WP 1 Leader and PM	Bundesamt für Strahlenschutz, BfS	Germany	WP 1/ Task 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9 WP 2/ Task 2.1, 2.2, 2.5, 2.7, WP 3/ Task 3.1; 3.2 WP 6/ Task 6.2.1 WP 7/ Task 7.4
2	PM	STUK	Finland	WP 2/ Task 2.1, 2.2, 2.3, 2.5, 2.7 WP 3/Task 3.2 WP 5 WP 6 WP 7/ Task 7.2, 7.3, 7.4
3	WP 3 Leader and PM	SCK-CEN	Belgium	WP 1/ Task 1.8 WP 2/ Task 2.2, 2.3, 2.4, 2.6 WP 3/ Task 3.2 WP 5 WP 6 WP 7/ Task 7.1, 7.2, 7.3, 7.4
4	WP 4 Leader and PM	ANR	France	WP 1/ Task 1.5 WP 3/Task 3.2 WP 4/ Task 4.1, 4.2, 4.3, 4.4
5	WP 5 Leader and PM	DH (PHE)	UK	WP 1/ Task 1.8 WP 2/ Task 2.1, 2.3 WP 3/Task 3.2 WP 5/ Task 5.1, 5.4
6	WP 6 Leader and PM	CEA	France	WP 2/ Task 2.2 WP 3/Task 3.2 WP 6/ Task 6.1.3, 6.2.4, 6.3 WP 7/ Task 7.2, 7.3, 7.4, 7.5
7	WP 7 Leader and PM	UniPv	Italy	WP 2/ Task 2.5 WP 3/Task 3.2 WP 6 WP 7/ Task 7.1, 7.2, 7.3, 7.4, 7.5
8	Research Platform	MELODI	Europe	WP 2/ Task 2.1 WP 3/Task 3.2., 3.3 WP 5
8.1	LTP to MELODI	Stockholm University (SU)	Sweden	WP 2 WP 3/Task 3.2 WP 6 WP 7/ Task 7.1, 7.2, 7.3
9	Research Platform	ALLIANCE	Europe	WP 2/ Task 2.2 WP 3/Task 3.2 WP 5
10	Research Platform	NERIS	Europe	WP 2/ Task 2.3 WP 3/Task 3.2

				WP 5
10.1	LTP to NERIS	Università degli studi di Milano (UMIL)	Italy	WP 2/ Task 2.6 WP 3/Task 3.2
10.2	LTP to NERIS	Technical University of Denmark (DTU)	Denmark	WP 2/ Task 2.3 WP 3/Task 3.2
10.3	LTP to NERIS	MUTADIS	France	WP 2/ Task 2.6 WP 3/Task 3.2
11	Research Platform	EURADOS	Europe	WP 2/ Task 2.4 WP 3/Task 3.2 WP 5 WP 7
11.1	LTP to EURADOS	Physikalisch-Technische Bundesanstalt (PTB),	Germany	WP 2/ Task 2.4 WP 3/Task 3.2
11.2	LTP to EURADOS	Instituto Superior Técnico (IST)	Portugal	WP 7/ Task 7.1, 7.4, 7.5 WP 3/Task 3.2
11.3	LTP to EURADOS	Institut Ruđer Bošković (RBI)	Croatia	WP 3/Task 3.2
11.4	LTP to EURADOS	Instytut Fizyki Jądrowej (IFJ PAN)	Poland	WP 2/ Task 2.4 WP 3/Task 3.2
11.5	LTP to EURADOS	Seibersdorf Laboratory (SL)	Austria	WP 2/ Task 2.4 WP 3/Task 3.2
12	PM	IRSN	France	WP 2/ Task 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7 WP 3/Task 3.2 WP 5/ Task 5.2 WP 6 WP 7
12.1	LTP to IRSN	European Nuclear Safety Training and Tutoring Institute (ENSTTI)	France	WP 7/ Task 7.4 WP 3/Task 3.2
12.2	LTP to IRSN	Centre d'étude sur l'Évaluation de la Protection dans le domaine Nucléaire (CEPN)	France	WP 2/ Task 2.3, 2.6 WP 3/Task 3.2
13	PM	SSM	Sweden	WP 2 WP 3/Task 3.2 WP 4 WP 6 WP 7
14	PM	CIEMAT	Spain	WP 2/ Task 2.2, 2.3 WP 3/Task 3.2 WP 6 WP 7/ Task 7.5
14.1	LTP to CIEMAT	Centre for Research in Environmental Epidemiology (CREAL)	Spain	WP 2/ Task 2.1, 2.5 WP 3/Task 3.2 WP 7/ Task 7.2, 7.3, 7.4
15	PM	NRIRR (OSSKI)	Hungary	WP 2/ Task 2.7 WP 3/Task 3.2 WP 7/ Task 7.1, 7.2, 7.3, 7.4, 7.5

16	PM	MTA EK	Hungary	WP 2/ Task 2.1 WP 3/Task 3.2 WP 6 WP 7/ Task 7.1, 7.2, 7.3, 7.4, 7.5
17	PM	NCRRP	Bulgaria	WP 2 WP 3/Task 3.2 WP 6 WP 7/ Task 7.2, 7.3, 7.5
18	PM	HMGU	Germany	WP 2/ Task 2.1, 2.2, 2.4 WP 3/Task 3.2 WP 6 WP 7/ Task 7.1, 7.3, 7.4, 7.5
18.1	LTP to HMGU	GSI Helmholtzzentrum für Schwerionenforschung (GSI)	Germany	WP 6 WP 3/Task 3.2
18.2	LTP to HMGU	Forschungszentrum Jülich (Jülich)	Germany	WP 3/Task 3.2 WP 7/Task 7.2
18.3	LTP to HMGU	Helmholtz-Zentrum Dresden- Rossendorf (HZDR),	Germany	WP 2/ Task 2.2 WP 3/Task 3.2
18.4	LTP to HMGU	Karlsruher Institut für Technologie (KIT)	Germany	WP 2/ Task 2.3 WP 3/Task 3.2 WP 6
19	PM	MUW	Austria	WP 2/ Task 2.5 WP 3/Task 3.2 WP 7
20	PM	ENEA	Italy	WP 2/ Task 2.1, 2.4 WP 3/Task 3.2 WP 7/ Task 7.4,
21	PM	ISS	Italy	WP 2/ Task 2.4, 2.5, 2.6, 2.7 WP 3/Task 3.2 WP 5/ Task 5.3 WP 6
22	PM	NRPA	Norway	WP 2/ Task 2.3, 2.5, 2.6 WP 3/Task 3.2 WP 5 WP 6 WP 7
22.1	LTP to NRPA	Norwegian University of Life Sciences (NMBU)	Norway	WP 2/ Task 2.6 WP 3/Task 3.2 WP 5 WP 6/ Task 6.1 WP 7/ Task 7.1, 7.2, 7.3, 7.4, 7.5
23	PM	RIVM	Netherlands	WP 2/ Task 2.7 WP 3/Task 3.2 WP 6/ Task 6.2
24	PM	FCT	Portugal	WP 1/ Task 1.7 WP 3/Task 3.2 WP 4

25	PM	IMROH	Croatia	WP 1/ Task 1.7 WP 2/ Task 2.6, 2.7 WP 3/Task 3.2 WP 7/ Task 7.4, 7.5
26	PM	SURO	Czech Republic	WP 2 WP 3/Task 3.2 WP 6
26.1	LTP to SURO	Czech Technical University in Prague (CTU)	Czech Republic	WP 2/ Task 2.1, 2.5 WP 3/Task 3.2 WP 6 WP 3/Task 3.2
26.2	LTP to SURO	NRI (UJV)	Czech Republic	WP 2/Task 2.7 WP 3/Task 3.2
27	PM	IFA_MG	Romania	WP 2 WP 3/Task 3.2 WP 7
27.1	LTP to IFA	Horia Hulubei National RTD Institute for Physics and Nuclear Engineering (IFIN-HH)	Romania	WP 3/Task 3.2
28	PM	EEAE	Greece	WP 2/ Task 2.6 WP 3/Task 3.2 WP 6 WP 7/ Task 7.4
29	PM	VUJE	Slovak Republic	WP 1/ Task 1.7 WP 2/ Task 2.3, 2.6, 2.7 WP 3/Task 3.2 WP 5 WP 7/ Task 7.2, 7.4, 7.5
30	POM	UT	Estonia	WP 1/ Task 1.7 WP 2/ Task 2.7 WP 3/Task 3.2 WP 7/ Task 7.1, 7.4, 7.5
31	PM	RSC	Lithuania	WP 1/ Task 1.7 WP 2 WP 3/Task 3.2
32	POM	UL	Latvia	WP 2/T2.2 WP 5/ T5.3 WP 6/T 6.3
33	WP 2 Leader and PM	UEF	Finland	WP2 WP 3/Task 3.2 WP5 WP 6/ Task 6.2.1 WP 7/ Task 7.4
34	PM	GIG	Poland	WP2 WP 3/Task 3.2 WP6
35	POM	MINECO	Spain	WP4
36	POM	APA	Portugal	WP2 WP 3/Task 3.2

37	PM	JSI	Slovenia	WP2 WP 3/Task 3.2
38	POM	FOPH	Switzerland	WP2 WP 3/Task 3.2

1.5.1 List of programmed activities (table 2.3.b)

AWP Set of Activities

Activity No	Activity Title	Lead Participant No	Short name of lead participant	Person-Months Total for this activity	Start Month	End month
WP 1						
1.1	Overall legal, contractual, administrative management and financial management	1	BfS	30	25	36
1.2	Consortium, Executive and Management Board meetings	1	BfS	3,95	25	36
1.3	Updating the rolling annual work plan	1	BfS	3,95	25	36
1.4	External Scientific Advisory Board (ESAB) for the evaluation of CONCERT	1	BfS	3,95	25	36
1.5	Negotiation of projects to be funded through open RTD calls	1	BfS	4,55	25	36
1.6	Funding decision process for integration activities listed in the approved annual work programme	1	BfS	2,95	25	36
1.7	Attracting new members to the CONCERT EJP Consortium	27	IFA	3,10	25	36
1.8	Public CONCERT web page and a secure internal web-based work space	1	BfS	2,80	25	36
1.9	Establishment of an expert database for the reviewing processes of CONCERT	8	MELODI	1,45	25	36
			Total WP1	56,68		
WP 2						
2.1	Development of Strategic Research Agenda, roadmap and priorities for research on low dose risk	8	MELODI	6,24	25	36
2.2	Development of Strategic Research Agenda, roadmap and priorities for research on radioecology	9	ALLIANCE	6,17	25	36
2.3	Development of Strategic Research Agenda, roadmap and priorities for research on emergency preparedness and response	10	NERIS	7,08	25	36
2.4	Development of Strategic Research Agenda, roadmap and priorities for research on dosimetry	11	EURADOS	4,37	25	36
2.5	Development of Strategic Research Agenda, roadmap and priorities for research with the medical scientific community	1+7	BfS + UniPv	4,52	25	36
2.6	Creating a Strategic Research Agenda on Social Sciences, humanities and Safety Culture in Radiation Protection	3	SCK-CEN	5	25	36

2.7	Research and innovation supporting the implementation of the revised European Basic Safety Standards	15	NRIRR	5,64	25	36
			Total WP2	39,02		
WP3						
3.1	Integration of SRAs and priorities from platforms and national programmes (M1)	1	BfS	5,27	25	36
3.2	Joint priority setting of research and integrative activities; deliverable to WP4	3	SCK-CEN	5,27	25	36
3.3	Joint programming for a long term strategy of RP research in EUROPE	8	MELODI	5,27	25	36
			Total WP3	15,80		
WP4						
4.1	Set up Call Steering Committee (CSC) and Joint Call Secretariat (JCS).	4	ANR			
4.2	Identification of indicators to assess the efficiency of JTC	4	ANR	1,43	25	36
4.3	Implementation of the open call	4	ANR	1	25	36
4.4	Monitoring of the calls and the funded projects	4	ANR	3,5	25	36
			Total WP4	5,93		
WP5						
5.1	Strategy for public and societal stakeholder engagement (5	DH-PHE	7,85	25	36
5.2	Establish a stakeholder group	12	IRSN	1,25	25	36
5.3	Interaction with the civil society, including use of social media for stakeholder communication	12	ISS	1,35	25	36
5.4	Development of general and specialist information for the CONCERT website	5	DH-PHE	7,85	25	36
			Total WP5	18,32		
WP6						
6.1	Promote the visibility of key research infrastructures for R/D	29	NMBU	6,45	25	36
6.2	Harmonize Practices and protocols	23	RIVM	3,12	25	36
6.3	Strategy for facilitating access to infrastructures	6	CEA	4,05	25	36
			Total WP6	13,62		
WP7						
7.1	Attracting and retaining students and junior scientists into the Radiation Protection research fields	49	SU	3,36	25	36

7.2	Education and training as an essential part of dissemination and knowledge management within CONCERT	15	NRIRR	2,76	25	36
7.3	Targeted E&T initiatives	7	UniPv	2,88	25	36
7.4	Coordination and collaboration on E&T policy and strategy	3	SCK•CEN	4,07	25	36
7.5	European integration of junior scientist career development	18	HMGU	2,86	25	36
			Total WP7	15,93		
			Total Months ALL	165,30		

1.5.2 Annual Deliverables List (table 2.3.c)

Deliverable No	Deliverable Name	Activity No	Lead Participant Short Name	Type	Dissemination Level	Delivery Date
D9.51	Detailed work plan for irradiations (Gantt)	9	DH	OTHER	Public	20
D9.18	Methodology design of the multi-method consultation process	9	CIEMAT	Report	Public	22
D9.38	Establishing of the management structures of the CONFIDENCE project	9	HMGU	Report	Public	22
D9.78	TERRITORIES blog	9	CIEMAT	DEC	Public	23
D9.77	TERRITORIES website	9	UT	DEC	Public	24
D2.9	Annual SRA Statements from MELODI, ALLIANCE, NERIS and EURADOS (3)	2	UEF	Report	Public	25
D9.2	Published dataset of meteorological ensemble data to be used as dispersion and source terms by other WPs (Fukushima and synthetic)	9	DH	Report	Public	25
D9.3	Published sets of probability maps of threshold exceedance for scenarios provided to WP4, WP5 & WP6-->01	9	IRSN	Report	Public	25
D9.73	Knowledge gaps to improve E&T	9	NRPA	Report	Public	25
D4.5	Final ranking list and Joint selection list of the projects to be funded from the joint international peer review of full proposals for the CONCERT open RTD Call 2	4	ANR	Report	Public	27
D9.65	Decision processes/pathways	9	IRSN	Report	Public	27
D9.79	Flexible funds reports	9	IRSN	Report	Public	27
D2.10	Joint research needs and priorities addressing radiation protection research relevant for medical use of radiation and communication/risk perception in radiation protection field (3)	2	UEF	Report	Public	30
D9.1	Guideline ranking uncertainties for atmospheric dispersion	9	IRSN	Report	Public	31
D9.19	Structured communication technique results	9	CIEMAT	Report	Public	31
D9.52	Progress summary and actions-1st year	9	DH	Report	Public	31
D9.55	Year 1 advisory panel report	9	DH	Report	Public	31
D9.75	After each training_1st year	9	CIEMAT	Report	PU	31

D1.3	Third periodic report and draft annual work plan to the EC in accordance with the provisions of the consortium contract	1	BFS	Report	Public	33
D3.3	If extra funding is available: Third Annual Joint Priority List	3	SCK-CEN	Report	Public	33
D9.26	Paper on planned behaviour in nuclear emergency situations	9	SCK-CEN	Report	Public	35
D9.33	Indicators for robust decision making	9	HMGU	Report	Public	35
D2.12	Revised SRA for social sciences and humanities in RP	2	UEF	Report	Public	36
D5.4	review and update of website material	5	DH	Report	Public	36
D6.4	Publishing the first version of a web-Handbook based on the newsletters each featuring a different type of infrastructure and their access (including funding)	6	CEA	Report	Public	36
D7.3	3rd Annual report on awards and grants given	7	UNIPV	Report	Public	36
D7.6	Report on potential transferability and mutual recognition of E&T credits and qualifications in Europe	7	UNIPV	Report	Public	36
D7.7	1st Report on E&T activities such as student placement, courses seminars, workshops, etc. in RTD Call 1	7	UNIPV	Report	Public	36
D7.11	3rd Annual report on E&T initiative funded under Task 7.3, including participant feedback and recommendations for next calls	7	UNIPV	Report	Public	36
D7.15	3rd Annual reports on the progress of Task 7.4	7	UNIPV	Report	Public	36

1.6 Resources to be committed

1.6.1 Summary effort table (Table 2.3.d)

		Activity 1	Activity 2	Activity 3	Activity 4	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Total Person/ Months per Participant
WP1											
1	BfS	30,00	3,50	3,50	3,50	3,50	2,50	1,50	2,00	1,00	51,00
2	STUK		0,03	0,03	0,03	0,03	0,03			0,03	0,17
3	SCK•CEN								0,60		0,60
4	ANR					0,60					0,60
5	DH-PHE								0,20		0,20
6	CEA		0,02	0,02	0,02	0,02	0,02			0,02	0,10
7	UniPv		0,02	0,02	0,02	0,02	0,02			0,02	0,10
12	IRSN		0,02	0,02	0,02	0,02	0,02			0,02	0,10
13	SSM		0,02	0,02	0,02	0,02	0,02			0,02	0,10
14	Ciemat		0,02	0,02	0,02	0,02	0,02			0,02	0,10
15	NRIRR		0,02	0,02	0,02	0,02	0,02			0,02	0,10
16	MTA EK		0,02	0,02	0,02	0,02	0,02			0,02	0,10
17	NCRRP		0,02	0,02	0,02	0,02	0,02			0,02	0,10
18	HMGU		0,02	0,02	0,02	0,02	0,02			0,02	0,10
19	MUW		0,02	0,02	0,02	0,02	0,02			0,02	0,10
20	ENEA		0,03	0,03	0,03	0,03	0,03			0,03	0,16
21	ISS		0,02	0,02	0,02	0,02	0,02			0,02	0,10
22	NRPA		0,02	0,02	0,02	0,02	0,02			0,02	0,10
23	RIVM		0,02	0,02	0,02	0,02	0,02			0,02	0,10
24	FTC							0,20			0,20
25	IMROH							0,20			0,20
26	SURO		0,02	0,02	0,02	0,02	0,02			0,02	0,10
27	IFA							0,60			0,60
28	EEAE		0,02	0,02	0,02	0,02	0,02			0,02	0,10
29	VUJE							0,20			0,20
30	UT							0,20			0,20
31	RSC							0,20			0,20
32	UL		0,02	0,02	0,02	0,02	0,02			0,02	0,10
33	UEF		0,04	0,04	0,04	0,04	0,04			0,04	0,23
34	GIG		0,02	0,02	0,02	0,02	0,02			0,02	0,13
35	MINECO		0,02	0,02	0,02	0,02	0,02			0,02	0,13
36	APA		0,02	0,02	0,02	0,02	0,02			0,02	0,13
37	JSI		0,02	0,02	0,02	0,02	0,02			0,02	0,13
											56,68

WP2										
1	BfS	0,75	0,75	0,75		0,75	0,75	0,75		4,50
2	STUK	0,96	0,96	0,96		0,96		0,96		1,99
3	SCK•CEN		1,13	1,13	1,13		1,13			4,50
5	DH-PHE	0,48		0,48	0,48					1,45
6	CEA	0,30	0,30							0,60
7	UniPv	1,05				1,05				2,10
12	IRSN	0,52	0,52	0,52	0,52	0,52	0,52	0,52		3,67
14	CIEMAT		1,00	0,20	0,20					1,40
15	NRIRR							1,50		1,50
16	MTA EK	0,50								0,50
18	HMGU	0,57	0,57		0,57					1,70
19	MUW					0,20				0,20
20	ENEA	0,27			0,27					0,54
21	ISS				0,20	0,20	0,20	0,20		0,80
22	NRPA			0,20		0,20	0,20			0,60
23	RIVM							0,20		0,20
25	IMROH						0,20	0,20		0,40
28	EEAE						0,20			0,20
29	VUJE			0,20			0,20	0,20		0,60
30	UT							0,20		0,20
32	UL		0,20							0,20
33	UEF	0,80	0,80	0,80		0,80		0,80		4,00
34	GIG							0,13		0,13
36	APA							0,33		0,33
LTP										
	DTU/NERIS			0,20						0,20
	MUTADIS/NERIS			0,20			0,20			0,40
	UMIL/NERIS						0,20			0,20
	PTB/EURADOS				0,20					0,20
	IST/EURADOS				0,20					0,20
	RBI/EURADOS				0,20					0,20
	IFJ PAN/ EURADOS				0,20					0,20
	SL/EURADOS				0,20					0,20
	CEPN/IRSN			1,00			1,00			2,00
	SU/MELODI	0,20								0,20
	CREAL/CIEMAT	0,20				0,20				0,40
	KIT/HMGU			1,00						1,00
	HZDR/HMGU		0,50							0,50
	NMBU/NRPA						0,20			0,20
	CTU-FBME/SURO	0,20				0,20				0,40
	NRI/SURO							0,20		0,20
										39,02

WP3										
1	BfS	0,20	0,20	0,20						0,60
2	STUK	0,03	0,03	0,03						0,10
3	SCK•CEN	1,60	1,60	1,60						4,80
4	ANR	0,01	0,01	0,01						0,02
5	DH-PHE	0,48	0,48	0,48						1,45
6	CEA	0,15	0,15	0,15						0,44
7	UNIPV	0,15	0,15	0,15						0,44
12	IRSN	0,50	0,50	0,50						1,50
13	SSM	0,01	0,01	0,01						0,02
14	CIEMAT	0,15	0,15	0,15						0,44
15	NRIRR	0,15	0,15	0,15						0,44
16	MTA-EK	0,15	0,15	0,15						0,44
17	NCRRP	0,12	0,12	0,12						0,35
18	HMGU	0,15	0,15	0,15						0,44
19	MUW	0,02	0,02	0,02						0,05
20	ENEA	0,20	0,20	0,20						0,60
21	ISS	0,05	0,05	0,05						0,14
22	NRPA	0,05	0,05	0,05						0,14
23	RIVM	0,05	0,05	0,05						0,14
24	FCT	0,00	0,00	0,00						0,00
25	IMROH	0,01	0,01	0,01						0,02
26	SURO	0,07	0,07	0,07						0,20
28	EEAE	0,01	0,01	0,01						0,02
29	VUJE	0,01	0,01	0,01						0,02
30	UT	0,01	0,01	0,01						0,02
31	RSC	0,01	0,01	0,01						0,02
32	UL	0,00	0,00	0,00						0,00
33	UEF	0,16	0,16	0,16						0,47
34	GIG	0,04	0,04	0,04						0,13
37	JSI	0,11	0,11	0,11						0,33
LTP										
	CEPN/IRSN	0,17	0,17	0,17						0,50
	CREAL/CIEMAT	0,01	0,01	0,01						0,02
	CTU/SURO	0,01	0,01	0,01						0,04
	DTU/NERIS	0,01	0,01	0,01						0,02
	ENSTII/IRSN	0,01	0,01	0,01						0,02
	GSI/HMGU	0,01	0,01	0,01						0,02
	HZDR/HMGU	0,01	0,01	0,01						0,02
	IFIN-HH/IFA-MG	0,04	0,04	0,04						0,12
	IFJ/EURADOS	0,01	0,01	0,01						0,02
	IST/EURADOS	0,01	0,01	0,01						0,02
	Jülich/HMGU	0,01	0,01	0,01						0,02
	KIT/HMGU	0,17	0,17	0,17						0,50

	MUTADIS/NERIS	0,01	0,01	0,01							0,02
	NMBU/NRPA	0,08	0,08	0,08							0,25
	NRI/SURO	0,11	0,11	0,11							0,32
	PTB/EURADOS	0,01	0,01	0,01							0,02
	RBI/EURADOS	0,01	0,01	0,01							0,02
	SL/EURADOS	0,01	0,01	0,01							0,02
	SU/MELODI	0,01	0,01	0,01							0,02
	UMIL/NERIS	0,01	0,01	0,01							0,02
											15,80
WP4											
4	ANR		1,00	1,00	2,00						4,00
13	SSM		0,15		0,65						0,80
24	FCT		0,15		0,65						0,80
35	MINECO		0,13		0,20						0,33
											5,93
WP5											
5	DH-PHE	6,60			6,60						13,20
1	Bfs	0,03	0,03	0,03	0,03						0,10
2	STUK	0,01	0,01	0,01	0,01						0,05
3	SCK-CEN	0,25	0,25	0,25	0,25						1,00
12	IRSN	0,38	0,38	0,38	0,38						1,50
21	ISS	0,25	0,25	0,25	0,25						1,00
29	VUJE	0,13	0,13	0,13	0,13						0,50
32	UL			0,10							0,10
33	UEF	0,09	0,09	0,09	0,09						0,37
LTP											
	NMBU/NRPA	0,13	0,13	0,13	0,13						0,50
											18,32
WP6											
6	CEA	3,50	1,50	3,00							8,00
1	Bfs	IK	0,25	IK							0,25
2	STUK	0,15	IK	IK							0,15
3	SCK-CEN	IK	0,40	IK							0,40
7	UniPV	IK	IK	0,40							0,40
12	IRSN	0,25	IK	IK							0,25
14	CIEMAT	0,40	IK	IK							0,40
16	MTA-EK	IK	0,40	IK							0,40
17	NCRPP	0,15	IK	IK							0,15
18	HMGU	IK	IK	0,50							0,50
21	ISS	0,15	IK	IK							0,15
22	NRPA	0,15	IK	IK							0,15
23	RIVM	IK	0,50	IK							0,50
28	EEAE	0,15	IK	IK							0,15
32	UL			0,15							0,15

33	UEF	0,45	IK	IK							0,45
34	GIG	IK	0,07	IK							0,07
	CTU/SURO	0,15	IK	IK							0,15
	GSI/HMGU	0,15	IK	IK							0,15
	KIT/HMGU	0,15	IK	IK							0,15
	NMBU/NRPA	0,50	IK	IK							0,50
	SU/MELODI	0,15	IK	IK							0,15
											13,62
WP7											
7	UniPv	1,60	1,60	1,60	1,60	1,60					8,00
1	BfS				0,40						0,40
3	SCK-CEN	0,25	0,25	0,25	0,25						1,00
6	CEA		0,05	0,05	0,05	0,05					0,20
14	CIEMAT					0,20					0,20
15	NRIRR	0,20	0,20	0,20	0,20	0,20					1,00
16	MTA-EK	0,04	0,04	0,04	0,04	0,04					0,20
17	NCRRP		0,07	0,07		0,07					0,20
18	HMGU	0,25		0,25	0,25	0,25					1,00
19	MUW	0,05	0,05	0,05		0,05					0,20
20	ENEA				0,24						0,24
25	IMROH				0,10	0,10					0,20
28	EEAE		0,07		0,07	0,07					0,20
29	VUJE		0,07		0,07	0,07					0,20
30	UT	0,07			0,07	0,07					0,20
33	UEF		0,16	0,16	0,16						0,49
LTP											
	CREAL/CIEMAT		0,07	0,07	0,07						0,20
	ENSTII/IRSN				0,20						0,20
	IST/EURADOS	0,07			0,07	0,07					0,20
	Jülich				0,20						0,20
	NMBU/NRPA	0,04	0,04	0,04	0,04	0,04					0,20
	SU/MELODI	0,80	0,10	0,10							1,00
											15,93

1.6.2 Other major cost items (travel, equipment, infrastructure, goods and services) (Table 2.3e)

WP1

Participant BFS Number/Short Name	Cost (€)	Justification
Travel	6000	joining 4 SRA meetings organised by WP2 as T3,1 leader
Goods and services	12000 2000	Set up CONCERT homepage (public, restricted, newsletter), meeting room cost
Total	20000	

WP2

Participant SCK•CEN Number/Short Name	Cost (€)	Justification
Travel	5000	joining 4 SRA meetings organised by WP2 as T3,2 leader
Goods and services	5000	Printing cost for the promotion of CONCERT
Total	5000	

15/CIEMAT	Cost (€)	Justification
Travel	2000	Travel to the two workshops to support the activities of WP2
Total	2000	

WP3

Participant SCK•CEN Number/Short Name	Cost (€)	Justification
Travel	5000	joining 4 SRA meetings organised by WP2 as T3,2 leader
Total	5000	

Participant ALL (52) Number/Short Name	Cost (€)	Justification
Travel	500	travel and subsidence to open workshop
Total	26000	

Participant MELODI Number/Short Name	Cost (€)	Justification
Travel	40000	Open workshop organiser
Total	40000	

WP4

Number/Short Name	Cost (€)	Justification
Travel	5500	For the 4 partners of WP4 (ANR - 2500, FCT - 1000, SSM – 1000, MINECO – 1000)
Other	2500 10000 30000 7500	Submission and Evaluation Tool Peer Review Meeting organisation (hotel, room, meals...) Travels for reviewers Reviewers' fee
Total	555000	

WP6

CEA total eligible costs under these categories do not exceed 15% of the personnel costs,

LTP NMBU/ NRPA	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

12/IRSN	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

15/CIEMAT	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

25/RIVM	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

1/BfS	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

17/MTA-EK	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

3/SCK-CEN	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

7/UniPV	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

2/STUK	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

18/HMGU	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

21/ISS	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

LTP KIT/HMGU	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

28/EEAE	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

LTP SU/MELODI	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

22/NRPA	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

17/NCRPP	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

LTP GSI/HMGU	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

LTP CTU-FBME/SURO	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

32/UL	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

33/UEF	Eligible Cost (€)	Justification
Travel	2000	Travel to the workshops to support the activities of WP6
Total	2000	

Planned activities for the third year

The activities of the CONCERT EJP in the first two years were dominated by the cyclical workflow of CONCERT to prepare for open scientific calls. In the second year the cycle of the first CONCERT open research call was finished, i.e. submitted proposals have been evaluated by the procedures described in WP4, i.e., remote evaluation of submitted proposals by the PRP members and finally ranking of proposals selected for funding by the PRP members during the PRP meeting. The outcome was a Ranked List of Eligible Projects (RLEP) in month 15 of the CONCERT EJP. Based on this RLEP the CONCERT MB reached a funding decision in a special CONCERT funding meeting. The CONCERT MB made sure that the criteria of scientific excellence with the highest weight and the criteria of integration were met. Immediately after the funding decision, the coordinator, supported by WP4, started the contract negotiations with ranked proposal.

CONCERT will again pass through all necessary steps (as described in the last AWP) for the second open call starting at the end of month 21. Negotiations will be finished not later than M30.

In the third year, proposals submitted to the second CONCERT open research call will be evaluated by the procedures described in WP4, i.e., remote evaluation of submitted proposals by the PRP members and ranking of proposals selected for funding in two ranking lists (one for Topic 1 and one for Topic 2) by the PRP members during the PRP meeting. Based on the two ranking lists the CONCERT MB will reach a funding decision in the financial meeting of CONCERT. The funding decision is taken by respecting the ranking of proposals by the PRP members and the total budget available for the second call and its attribution to the two Topics. Immediately after the funding decision, the coordinator, supported by WP4, will start the contract negotiations with the coordinators of the proposals selected for funding with the goal to finish the negotiation phase not later than Month 28-30.

However, the timing of the second open transnational call depends on the approval of the call text by the EC.

All CONCERT WP are integrated into this cyclical work flow, which is in principle designed to start with an evaluation of the joint strategic research agenda (WP2), the formulation of research priorities by joint programming (WP3) and finally the funding (WP4 and WP1) and monitoring of research projects (WP4) which fulfil all the requirements of scientific excellence and integration. Cross-cutting through this cyclical work flow are WP dedicated to integration activities which on one side have input through interfaces into the cyclical work flow and on the other side have the target for a sustainable support of radiation protection research. These principle work flows, one cyclical, one more or less continuous are described in the CONCERT proposal and will be repeated throughout the lifetime of the CONCERT EJP (with the assumption that a CONCERT follow up EJP will be announced in 2016).

For the cross-cutting work packages the continuous work flow activities in year three are as follows:

WP 3 Priority research and Joint programming needs in the perspective of European Integration

As there are no resources for a third call in CONCERT, WP3 will only concentrate on the elaboration of the joint roadmap in radiation protection research, complemented with activities looking for continuous funding to enable the radiation protection research community to implement the roadmap.

WP5 Stakeholder involvement and communication in radiation protection research

In year 3 CONCERT WP5 aims to (i) organise and run stakeholder meetings (ii) refine and analyse survey approaches and results (iii) consider the use of social media for stakeholder engagement (iv) continue to populate the CONCERT website with information on radiation risk and radiation protection.

WP6 Access to Infrastructures

Work with representatives of different countries will be initiated to identify key infrastructures that fulfil recommended criteria that are not currently listed, and WP 6 will continue to publish the bulletin (10 issue/year).

Work to strengthen STORE and the radioecology databases will continue by assuring its curation. In close collaboration with WP7 course curricula for the training of students and postdocs at specific infrastructure facilities will be developed. Recommendations for a general funding scheme to support access to infrastructures will be provided.

WP7 Education and training

An E&T Forum will be held, to further develop the links already established with other E&T initiatives. There are many activities supported by learned societies and national governments to recruit and train graduate level students, but almost no concerted effort exists to retain these qualified individuals within the research and stakeholder communities. A strategy to retain young scientists in the field of radiation protection research will be developed and discussed with stakeholders.

WP9

The activities within the three current projects within WP9 were kicked off in February 2017. The first reporting period of all these projects is set for 18 months after the start date of the project, i.e. in May 2018 (Month 36 of CONCERT). The results of the first reporting of projects will feed into the third periodic report of CONCERT 2018.

The second/final reporting period of these projects coincides with their end date, respectively in month 55 of CONCERT, i.e. in December 2019.

Assessing the progress achieved within these projects, along with the progress made with regard to other CONCERT activities, will enable to determine what are the gaps and missing tasks/activities, in order to realise the full potential and objectives of the future respective research in the radiation protection area.