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# EJP-CONCERT

European Joint Programme for the Integration of Radiation Protection Research

H2020 – 662287

## D 7.9 1<sup>st</sup> Annual report on E&T initiative funded under Task 7.3, including participant feedback and recommendations for next calls

Lead Author: Vere Smyth

With contributions from: Andrea Ottolenghi (UniPv), Laure Sabatier (CEA), Mike Atkinson (HMGU), Balázs Madas (MTA-EK), Geza Safrany (NRIRR), Michèle Coeck (SCK•CEN), Sisko Salomaa (STUK), Wolfgang Doerr (MedUni Vienna), Elisabeth Cardis (CREAL), Deborah Oughton (NMBU), Brit Salbu (NMBU), Andrzej Wojcik (SU)

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### **Abstract**

There have been 2 calls for courses produced by Task 7.3. In the first, 8 courses were funded. The second attracted 14 applications. They have been recommended for funding by the ETC and were approved by the ExB. A template for student feedback has been produced. The results of the feedback will be reviewed and used to make changes and improvements to future calls.

<End of abstract>

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## **1st Annual report on E&T initiatives funded under Task 7.3, including participant feedback and recommendations for next calls**

The purpose of Task 7.3 of CONCERT is to organise calls for Education and Training initiatives targeting topics that are recognised as important to support the research efforts undertaken by the platforms participating in CONCERT.

At the time of reporting there have been two calls. UniPv developed the text of the first call in consultation with the partners participating in Task 7.3, approved by the Management Board, announced on 23<sup>rd</sup> October and closed 12<sup>th</sup> December 2015. There were 12 applications. The total EC contribution requested was less than the amount budgeted for the call (€200k) so there was no need to eliminate any of the proposals. Some correspondence with the proposers was necessary for several reasons:

- An application from a non-linked third party (University of Cantabria, Spain) was not allowed because, even though the proposer was willing to pay the co-funding himself, the H2020 requirement that the co-funding come from the National Programme Owner (who had no funds for this) meant that the course could not be approved.
- Other applications had mistakes in their budgets. These were corrected and re-submitted.
- A number of the applications were not directed at students or professionals who were, or were likely to be, involved in research. They were intended to teach radiation workers about radiation protection. In this case, the proposer was required to state how they would attract students in order to potentially influence their chosen field of study.

In all, eight courses were funded under the first call. The list of courses is given in Appendix 1. Of the four not listed, one course was hosted by NMBU of Norway, so this was not funded. Rather it was approved for funding, and the money claimed from Norwegian National Research Council. One was not approved because of non-permissible co-funding, as explained above, and two were deferred to the next call because the courses were planned for later than July 2016.

A template was developed to obtain feedback from students in consultation with the task participants. The template is given in Appendix 2.

UniPv has collated the results of the four courses in the first series completed by the date of reporting. Because this series will not be complete until 8 July 2016, the analysis of the feedback will be presented in the second Annual Report. The feedback will be used to review the text of future calls.

The second call was announced on 1<sup>st</sup> April 2016 and closed on 30<sup>th</sup> April 2016. The reason for this call being earlier in the year than the first call was to align the timing with the academic year (September to July). The wording of the invitation was modified to address the problems of the first call. The requirements for co-funding of non-linked third parties were clarified; the budget table was made more explicit; the need for the courses to target research rather than operational radiation protection was highlighted; and a question was added about the provision of ECTS points on successful completion of the course. The call invitation is given in Appendix 3 and the template for applications in Appendix 4.

At the time of reporting, the 14 applications received have been recommended for funding by a majority vote of the E&T Committee and were approved by the ExB.

## Appendix 1



This project has received funding from the Euratom research and training programme 2014-2018 under grant agreement No 662287.



### Short courses on research into radiation risks and radiation protection - sponsored by CONCERT

CONCERT is a Euratom-funded European Joint Programme set up to promote and integrate European research into the risks and protection from exposure to ionising radiation. CONCERT is promoting education and training in support of the research programme and making more widely available training opportunities in order to help attract top-level students into the field. The courses to be held in 2016 are:

- |                          |   |
|--------------------------|---|
| <b>4-29 April</b>        | InterRad - Interdisciplinary Radiation Research<br>BfS, Neuherberg, Germany<br>Contact: Maria Gomolka, <a href="mailto:mgomolka@bfs.de">mgomolka@bfs.de</a>   |
| <b>11-22 April</b>       | Cellular effects of low doses and low dose rates with focus on molecular radiation carcinogenesis<br>Stockholm University, Sweden<br>Contact: Andrzej Wojcik <a href="mailto:andrzej.wojcik@su.se">andrzej.wojcik@su.se</a>   |
| <b>25 - 29 April</b>     | Preparedness and response for nuclear and radiological emergencies<br>SCK•CEN, Mol, Belgium<br>Contact: Catrinel Turcanu <a href="mailto:cturcanu@sckcen.be">cturcanu@sckcen.be</a>   |
| <b>27 April – 12 May</b> | Radiation-induced effects with particular emphasis on genetics, developmental biology, teratology, cognition as well as space-related health issues.<br>SCK-CEN, Mol, Belgium<br>Contact: Sarah Baatout <a href="mailto:sbaatout@sckcen.be">sbaatout@sckcen.be</a>  |
| <b>23 May – 3 June</b>   | Modelling radiation effects from initial events: Learning modelling approaches and techniques in radiation biophysics and radiobiology research, from basic mechanisms to applications<br>University of Pavia, Italy<br>Contact: Andrea Ottolenghi <a href="mailto:Andrea.Ottolenghi@unipv.it">Andrea.Ottolenghi@unipv.it</a> |
| <b>6-10 June</b>         | Emergency and recovery preparedness, and response<br>NCRRP, Sofia, Bulgaria<br>Contact: Nina Chobanova <a href="mailto:n.chobanova@ncrrp.org">n.chobanova@ncrrp.org</a>   |
| <b>20 June – 1 July</b>  | Molecular Mechanisms of Radiation Carcinogenesis<br>HMGU, Neuherberg, Germany<br>Contact: Michael Rosemann <a href="mailto:Rosemann@Helmholtz-muenchen.de">Rosemann@Helmholtz-muenchen.de</a>   |
| <b>4 – 8 July</b>        | Uncertainty analysis for low dose research<br>Centre for Research in Environmental Epidemiology (CREAL) Barcelona Spain<br>Contact: Elisabeth Cardis <a href="mailto:ecardis@creal.cat">ecardis@creal.cat</a>   |

There will be no course fee. There will also be some limited support for accommodation costs at most of the participating institutions. CONCERT courses will be open to any postgraduate student or researcher interested in a research career in the scientific disciplines related to radiation protection. Students outside EU can be accepted if there is space. The admission will be decided case by case.

Further enquiries: Andrea Ottolenghi, Vere Smyth, [concert.training@unipv.it](mailto:concert.training@unipv.it)

## Appendix 2

# CONCERT Course Evaluation



Course title:

Date:

### 1. Background questions:

In which country do you currently live?	
What is your level of education?	BSc <input type="checkbox"/> MSc <input type="checkbox"/> PhD <input type="checkbox"/> Other <input type="checkbox"/> (specify)
What is your present position?	Student <input type="checkbox"/> Post-doctoral researcher <input type="checkbox"/> Research scientist <input type="checkbox"/> Radiation protection expert <input type="checkbox"/> Other <input type="checkbox"/> (specify)
What is your area of specialisation?	Radiation biology <input type="checkbox"/> Non-radiation biology <input type="checkbox"/> Physics <input type="checkbox"/> Radiochemistry <input type="checkbox"/> Radioecology <input type="checkbox"/> Epidemiology <input type="checkbox"/> Radiation protection <input type="checkbox"/> Other <input type="checkbox"/> (specify)
Why did you do this course?	Credit towards a degree: <input type="checkbox"/> Supplementary to degree course work <input type="checkbox"/> Continuing professional education <input type="checkbox"/> Other <input type="checkbox"/> (give details)
Would you have been able to do this course if it had not been sponsored?	No I could only do it because it was free: <input type="checkbox"/> Yes I could have support to pay: a nominal fee <input type="checkbox"/> the full cost <input type="checkbox"/>

## 2. General questions about the course

Do you feel the course was well organised?	Badly <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Well
Was the accommodation satisfactory?	Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
How would you rate the overall quality of the course?	Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
Was the course too elementary or advanced for your level of knowledge?	Too elementary <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Too advanced
How much do you feel you learnt from the course?	Very little <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> A lot
Would you have preferred more or fewer lectures?	Fewer <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> More
Would you have preferred more or less practical work?	N/A <input type="checkbox"/> Fewer <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> More
Should other topics have been included?	No <input type="checkbox"/> Yes <input type="checkbox"/> (Please specify)
Were there topics you feel were not needed?	No <input type="checkbox"/> Yes <input type="checkbox"/> (Please specify)
Do you have any other general comments you would like to make?  (Did you benefit from the networking? Did you make useful contacts for possible future research/study opportunities?)	No <input type="checkbox"/> Yes <input type="checkbox"/> (Please specify)

Specific evaluation of the course

<b>Lectures (if you missed a lecture leave blank)</b>	
Topic: ... Lecturer: ...	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Presentation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
Topic: ... Lecturer: ...	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Presentation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
Topic: ... Lecturer: ...	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Presentation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
Topic: ... Lecturer: ...	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Presentation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
<b>Practical sessions (if you missed a session leave blank)</b>	
Session number #	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Organisation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Usefulness: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
Session number #	Content: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Organisation: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good Usefulness: Bad <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Good
<p>Do you have any other comments you would like to make about the course content?</p> <p>Do you have suggestions for other course topics?</p>	
<p>No <input type="checkbox"/> Yes <input type="checkbox"/> (Please specify)</p>	

## Appendix 3

# Call for Courses 2016

## 1. General description

1. Under Task 7.3 of the CONCERT European Joint Programme, there will be an annual call for proposals to host short training courses.
2. The calls will be open to CONCERT Partners, Linked Third Parties of CONCERT and to every other Third Party, which is able to provide a 31% co-funding in cash in accordance with the co-funding rules for European Joint Programmes under Horizon 2020.
3. The purpose of the training courses is to:
  - Provide education and training covering all aspects of the scientific research areas covered by CONCERT in order to attract new students and develop expertise in the field;
  - Promote new science and technologies of value to the CONCERT research area;
  - Take advantage of specialist expertise of the host institution.
4. Courses can be up to 3 weeks long, if justified by the content, and may be on (**but not limited to**) any of the following topics:
  - Radiation epidemiology and molecular radiation epidemiology
  - Emergency and recovery preparedness, and response
  - Source term and dynamic ecosystem transfer
  - Molecular radiation carcinogenesis
  - Modelling low dose radiation effects from initial physical events
  - Radiation effects in utero and human radiation genetics
  - Environmental radiobiology and the ecosystem approach
  - Non-targeted radiation effects, their role in low dose radiation risk
  - New investigative techniques in radiation biology (tracer techniques, track analysis, synchrotron nano-micro techniques, microdosimetry, etc)
  - Risk governance and stakeholder dialogue
  - Individual monitoring for external exposures
  - Individual monitoring and dose assessment for internal exposures
  - Computational dosimetry
  - Voxel Phantom Development and Implementation for Radiation Physics Calculations
5. Proposals will be assessed by the Education and Training Committee (ETC, consisting of the 5 Task Leaders of Workpackage 7) on the basis of:
  - Relevance and value of the topic and coverage to the aims of CONCERT
  - Intended participant group
  - Quality of course content and expected learning outcomes
  - Expertise of the host institution
  - Practicality of the course arrangements

- o If the number of proposals exceeds the number that can be funded an objective points system (giving equal weight to the above categories) will be used to prioritise the applications.
- 6. If a proposal does not meet any particular criterion, and funding is available, the ETC may negotiate amendments and possible modifications.
- 7. The final decision on which courses are funded, and by how much, will be made by the CONCERT Executive Board, taking account of the recommendations from the ETC.

## 2. Series 2 short term training courses: invitation for proposals

1. Applications are invited for financial support to organise and teach a short course (sub-module) of duration from one to three weeks to be delivered between August 2016 and July 2017. The scheduling of the successful courses will be decided following the decision on the proposals (to be agreed between the course organisers).
2. The proposed course may be either focused intensively on a single topic (of particular importance for advancing European research capability) or more comprehensive (for the purpose of extending the range of student research skills and promoting cross-discipline collaboration). The length of the course should be justified by the content and purpose.
3. The course should be primarily directed towards students and scientists with an interest in active involvement in the CONCERT research areas. Teaching and training should be at the level of a Master of Science course or PhD training programme. The course (sub-module) could consist of lectures, tutorials and practicals and should be typically designed for between 12 and 20 students.
4. If possible European Credit Transfer and Accumulation System (ECTS) credits should be awarded to participants on successful completion of the course. However this is not mandatory.
5. Applications must be made using this [template](#).

### Timetable:

Invitation	Deadline for submissions	ETC evaluation	ExB decision*
01/04/2016	30/04/2016	06/05/2016	20/05/2016

**\*This date may be subject to change if correspondence is required.**

The proposal should be made by completing the accompanying proposal form including annexes I-II, following the instructions given on the template, and submitted to [andrea.ottolenghi@unipv.it](mailto:andrea.ottolenghi@unipv.it) copy to [concert.training@unipv.it](mailto:concert.training@unipv.it) by the deadline. All applicants will receive a receipt as acknowledgment of their application.

## 3. Financial details

Financial support from CONCERT will be available for personnel (additional PM of the beneficiary and/or honoraria and expenses of lecturers), use of facilities and consumables, travel and accommodation of external lecturers, and may offer reimbursement for travel and provision of

accommodation for students.

The funding will be on the following basis:

- Actual eligible costs, as per application template
- Total budget will be co-funded at a rate of 31%;
- Co-funding may be in kind for CONCERT beneficiaries and Linked Third Parties, but other Third Parties must provide cash co-funding from an external source in accordance with H2020 rules;
- Maximum €6000 EC contribution per week when there is no laboratory work;
- Maximum €8000 EC contribution per week when the course includes laboratory work (as costed by the applicant);
- Maximum of €200,000 available for this course series;

This distribution will be used as a reference, but the MB decision is not confined to follow these amounts strictly but will reserve the right to adjust the sums according to the proposals. The applying project beneficiaries must fill in and attach to their proposal the budget templates (Annex I to the proposal form). Budgets may only include new costs (costs not already budgeted by this or some other beneficiary). If a common proposal with several beneficiaries is prepared, separate budgets for each beneficiary that will have costs are required. The budgets cannot be overlapping with each other if a common proposal is concerned. Normal EC financial rules and reimbursement rates (69%) apply also to new budgets.

## Appendix 4

# PROPOSAL TO HOLD A TRAINING COURSE

### APPLICANT INFORMATION:

*If more than one organisation prepares a common proposal, please give the required information of all CONCERT beneficiaries involved. The first beneficiary listed will be considered as the lead beneficiary of this proposal. You may add or delete rows as applicable.*

	<b>Organisation:</b>	<b>Name of Lead Scientist:</b>	<b>E-mail address of Lead Scientist:</b>
<b>1</b>			
<b>2</b>			
<b>3</b>			

### GENERAL INFORMATION:

**Title:**

*Please insert title of the proposed course*

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**Schedule:**

*Please provide earliest start and latest end dates of the proposed course*

<b>Earliest start date:</b>		<b>Latest end date:</b>	
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**Repeat course:**

<b>Is this a repeat of a previous similar course:</b>	Yes/no	<b>Date of previous course:</b>	
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*If this is a repeat course please submit a report on the previous edition, including attendance numbers and student feedback*

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## **PROPOSED COURSE:**

### **Course topic:**

*General description of the course topic and contents*

### **Length of the course:**

*Overall duration (weeks) and number of hours (divided into number of hours for lessons, tutorship, laboratory)*

### **Date and place for the course:**

*For the date indicate best period for the availability of facilities and faculty*

### **Target group and maximum number of participants:**

*The target population should be defined clearly (e.g. MSc students, PhD students, young investigators, continuing professional education, etc.)*

### **Course Director:**

*Please provide a one page CV, also highlighting involvement in European projects/networks and teaching experience.*

### **Detailed course contents and laboratory activities:**

*Estimated number of hours dedicated to each topic (lessons/tutorship/laboratory)*

**Relevance to CONCERT and learning outcomes:**

*Explain how the course will support research in the CONCERT area, and the expected learning outcomes of the participants.*

**Laboratory facilities, (if used):**

*Description of available facilities*

**Accommodation for participants:**

*Indicate available college facilities, guest houses, budget hotels etc.*

**Will the course offer ECTS-credits?**

*Indicate how many credits and what procedure is required to gain course accreditation (if any).*

**Signature(s)<sup>1</sup>:**

*Please provide signature(s) of person(s) authorised to sign for each organisation involved*

<b>Name</b>	<b>Position</b>	<b>Signature</b>

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<sup>1</sup> All organisations requesting 5 000 € or more EC funding, should provide a signature of person(s) authorised to sign for their organisation. As the proposal can be submitted to the WP7 leader by electronic means, the signature(s) can be scanned.

**ANNEX I: BUDGET TABLE**

*Budget tables must be filled in separate by each CONCERT beneficiary involved in the proposal. Please attach to the proposal as many copies of Annex I as needed. In case of a common proposal, the budgets of the beneficiaries involved may not be overlapping with each other.*

**Part I - Budget for proposed course (eligible costs):**

<b>Partner name</b>	
---------------------	--

<b>Budget for the full duration of course, eligible costs</b>	<b>Costs in EURO</b>	<b>Description and justification of the costs</b>
<b>Personnel costs</b>		
<b>Travel</b>		(Including external experts' travel costs)
<b>Student accommodation</b>		
<b>Consumables</b>		
<b>Durable equipment</b>		
<b>Other direct costs</b>		(Please give details)
<b>Direct costs, TOTAL</b>		
<b>Indirect costs (25% of direct costs)</b>		
<b>TOTAL COSTS</b>		
<b>Requested EC funding (depending on the call conditions - max 69 % of the total costs)</b>		
<b>Co-funding</b>		(Describe the source of the co-funding; must be external in the case of Third Parties)

**Amount of person-months planned (eligible for funding):**

## ANNEX II: ETHICAL QUESTIONS

Does your proposal involve any ethics issues as described in

European Commission

Ethics Issues Table template

Version 1.1

11 July 2014

([http://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/ethics/ethics-eit\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/ethics-eit_en.pdf))?

If your proposal involves an ethics issues, please specify.