

M04252018

Minutes

NINTH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Location: Dublin, Ireland

Date: Wednesday, 25th April 2018

Participants: See list attached



OPENING OF THE NINTH GENERAL ASSEMBLY

The Ninth NERIS General Assembly was held at the occasion of the fourth NERIS Workshop in Dublin, Ireland, on April 25 2018.

Thierry Schneider welcomed and opened the General Assembly at 1:30 pm, as President of the NERIS Platform. The list of participants is provided in Annex 1 and Annex 2.

The proposed agenda, Annex 3, was adopted by the General Assembly.

2. ANNUAL REPORT

Thierry Schneider presented the main activities of the NERIS Platform for the year 2017. The annual report presenting in details the NERIS activities for 2017 can be downloaded on the NERIS website.

New membership

In 2017, 1 new organisation joined the NERIS Platform as member (BIR - Bundeswehr Institute of Radiobiology- Germany). At the end of 2017, 60 organisations were members of NERIS with 26 supporting organisations and 34 only members of the NERIS Platform. For further details, see the list in Annex 4.

For the year 2017, the president noted the following points (meetings list in Annex 5):

- The publications of the updated NERIS Strategic Research Agenda in October 2017 and the first version of the NERIS Roadmap in December 2017 were made possible thanks to 6 meetings of the Management Board, as well as 3 R&D Committee meetings during the year 2017, with support of the CONCERT project. In addition, a dedicated consultation meeting on September 22 to discuss the draft roadmap with the NERIS community.
- At the occasion of INEX Symposium organized by NEA in November 2017 and ERWP17 in October 2017, the NERIS Roadmap was presented. Concerning ERPW17, Thierry Schneider underlined the organization of special sessions dedicated to Ethics and Evacuation.
- It is interesting to note the participation of the NERIS organisation in projects of interest for the Platform such as OPERRA's final meeting held in Budapest in May 2017, and the CONCERT funded projects CONFIDENCE, TERRITORIES, ENGAGE and SHAMISEN SINGS. Thierry Schneider emphasized on the importance of sharing and disseminating the results and state of these projects.
- The cooperation with the other European platforms was largely focused in 2017 on the contribution to the first Joint Roadmap on Radiation Protection Research (MELODI, ALLIANCE, EURADOS & EURAMED).
- The European platforms signed, with NUGENIA, an agreement to provide a framework of cooperation for the promotion of radiation protection research in Europe, with ALLIANCE, EURADOS and MELODI in October 2017. Thierry Schneider proposed to reflect on how to push further the cooperation with NUGENIA, by identifying common topics.

More recently, an Information Day on joint gap analysis with the other platforms was held in February 2018, further details can be found on NERIS website.

Thierry Schneider also presented the main challenges for the NERIS Platform in the coming years. The following points were highlighted.

NERIS Working groups

 The work carried out should be promoted outside of the working groups by presenting, publishing the results and reinforcing the links with current research projects (notably ENGAGE, CONFIDENCE, TERRITORIES & SHAMISEN-SINGS).

NERIS R&D

 The new SRA should be promoted and published, while following and integrating the results of the on-going projects. On top of that, the needs for new research developments should be discussed.



NERIS MB

- The NERIS Roadmap needs not only to be disseminated but also developments should be discussed on specific topics. Thierry Schneider emphasized on the importance of the Roadmap for the future of the Platform's research activities.
- Cooperation with the other European Research Platforms should be reinforced and the interaction with international organisations strengthened, notably by formalizing feedback from the International Forum.
- Thierry Schneider welcomed members to become Supporting Organisations (SO). Also, the president asked current SO to propose candidates for the new Management Board mandate mid 2019- mid 2021 as soon as possible to prepare for elections for the next General Assembly in 2019.

Visibility of NERIS activities

- There is a need to make the NERIS Website more attractive and updated (chronology, publications etc.). The president also invited participants to download the last newsletter (13th and 14th issues) and make suggestions, in order to improve next issues.
- It is also crucial to enhance the Platform visibility outside the community by publishing papers, organising workshops and topical sessions. To do so, Thierry Schneider underlined the need to favour cooperation within and outside the platform.

Transversal challenges

- In the following months a call for proposals will be opened by the EC. It is important for NERIS
 and some organisations to contribute to the evaluation of the FP6 & FP7 research programmes.
- Making proposals in the development of new researches to respond to the gap analysis for next calls.
- The NERIS community could use the results from the various projects to engage a reflection on the promotion of harmonization and development of national framework for managing accidental and post-accidental situations.
- The feedback analysis of Chernobyl and Fukushima post-accidental management has to continue to draw the lessons for improving the assessment and management of emergency and recovery.
- Finally, it is crucial to favour the development of Education and Training programmes in emergency and recovery issues. Thierry Schneider emphasized notably the importance of continuing International Training Courses within the CONCERT project.

The annual report of the NERIS Platform for 2017 was adopted by the General Assembly.

3. FINANCIAL ISSUES

Wolfgang Raskob, Treasurer of the NERIS Platform, presented the main figures of the financial results for 2017 (workload days, costs and resources). The details of NERIS operating costs, resources and the result for 2017 are available in Annex 5.1; the proposed budget for 2018 is available in Annex 5.2.

3.1. Results of 2017

Wolfgang Raskob presented, for 2017, the expenses, and the resources provided by the fees of the supporting organisations. The total of the expenses is 55,8 k€ and the total of the resources is 59,8 k€. This leads to a positive result for 2017 of 3981 €.

The participants validated the financial results for 2017.

The General Assembly agreed to add the positive financial results (3981 €) to the NERIS financial reserves.

3.2. Proposed budget for 2018



For 2018, Wolfgang Raskob proposed the same distribution of workload, costs and resources. The 4th Workshop should raise a lower income than the 3rd Workshop held in Lisbon, but equilibrium is expected for 2018.

For 2019, the same fees for the supporting organisations were proposed.

Eduardo Gallego asked the total amount of financial reserves. Thierry Schneider mentioned that the details are presented in the balance sheet in Annex 5 and proposed to the Management Board to think about the way to use the reserve for following years.

The participants of the NERIS General Assembly validated the proposed budget for 2018 as well as the conservation of the fees amount for 2019.

4. REVIEW OF THE PLATFORM ACTIVITIES

4.1. Activities of the NERIS Working Groups

Working Group on ICRP recommendations

Wolfgang Raskob reminded that the updated versions of ICRP Publication 109 and 111 on emergency and recovery are currently under revision and the public consultation is scheduled by the end of 2018. For 2018, Wolfgang Raskob explained that a dedicated consultation meeting to review the updated ICRP Publications 109 and 111 will be co-organised with OECD-NEA to give feedbacks from the NERIS Community.

Working Group on Contaminated Goods

Sylvie Charron presented the activities related to the Working Group on Contaminated Goods (ConGoo). She reminded that in September 2016, during the ERPW16 in Oxford, The WG ConGoo as such has been reactivated as all partners agreed to continue the reflection involving stakeholders on the management of contaminated goods.

Sylvie Charron explained that in 2017 a WG ConGoo meeting was in May 2017 in Lisbon at the occasion of the 3rd NERIS Workshop. She underlined the need to continue practical feedbacks from Japan, for instance management of fisheries and drinking water, follow-up of farming activities in areas where evacuation orders have been recently lifted, etc.

For 2018, Sylvie Charron reminded that a WG ConGoo meeting was held just before the General Assembly. The discussion was focused on the way the work conducted within TERRITORIES and CONFIDENCE projects can be related to the WG ConGoo. A WG ConGoo skype meeting will be organised before summer 2018 to share practical feedbacks from Japan.

Working Group on Information, Participation and Communication

Eduardo Gallego presented the 2017 activities of the Working Group dedicated to 'Information, Participation and Communication'. He reminded that this WG was created in January 2016 in Bratislava with the idea to continue the work implemented in the framework of PREPARE WP6 on information and participation. The objectives of this WG are to:

- Elaborate on the conclusions and recommendations of PREPARE WP6 & WP3, with regard to information to the public, communication among experts and stakeholders, and the participation of the relevant stakeholder in the EPR processes.
- o Create a group of users of the "Analytical Platform" developed in PREPARE.
- Have a forum of exchange of ideas and experiences within NERIS and with international organizations or groups interested in the WG topics.

In 2017, a first meeting was organised at the occasion of the 3rd NERIS Workshop. For 2018, he announced that a meeting will be organised just after the General Assembly in order to redesign the NERIS WG-IPC objectives and activities, by taking into account:

- Activities of current projects TERRITORIES and CONFIDENCE on participation of stakeholders and communication od uncertainties
- Ongoing work conducted within ENGAGE Project
- Former NERIS knowledge base on stakeholder engagement



4.2. Activities of the RODOS Users Group

Florian Gering presented the activities of the RODOS Users Group. He explained that in 2017, the meeting of the RODOS Users Groups was held in Karlsruhe (Germany) on 4-5 April 2017. About 45 participants from 18 countries were present.

It consisted in:

- Informing all users of the RODOS decision support system about the recent developments of the system,
- Reporting and discussing about the use of RODOS in the RUG member countries,
- Discussing about the need for further development of the system.

For 2018, Florian Gering announced that the next meeting of the RODOS Users Group is scheduled on 14-15 May 2018 in Munich, and it will include a short training course for RODOS (15 May afternoon).

4.3. Activities of the ARGOS Users Group

Jan Pehrsson presented the activities of the ARGOS Users Group (AUG). He explained that at the occasion of the 4th NERIS Workshop, a meeting was held on 23-24 April in Dublin. It consisted in establishing terms of reference for a new AUG, discussions on the use of the ARGOS system and on developments. He thanked users coming from further: Brazil and Australia.

Presentations and documents from the ARGOS User Group will be made available on the NERIS website. Thierry Schneider reflected on this to encourage the RUG and AUG to share information and think about an article to communicate through the newsletter.

4.4. NERIS R&D Committee: Updated Strategic Research Agenda (SRA)

Johan Camps, Chair of the NERIS R&D Committee, presented the main activities of the committee during 2017, which were dedicated to the finalization and publication of NERIS SRA as well as the publication of the first version of the NERIS Roadmap. He reminded that both are available on the NERIS website to be downloaded.

An extensive review was conducted on the structure of the SRA since new research topics were added such as:

- Challenges in radiological impact assessment during all phases of nuclear/radiological events.
- o Countermeasure strategies in emergency and recovery,
- Setting up a transdisciplinary framework for emergency response and recovery,
- The use and treatment of big data,
- Uncertainties.

Johan Camps also announced the endorsement of new members of the NERIS R&D Committee:

- Damien DIDIER IRSN, France
- o Marie-Claire CANTONE UMIL, Italy
- Catrinel TURCANU SCK•CEN, Belgium
- Veronica SMITH EPA, Ireland

For 2018, Johan Camps proposed to promote the new SRA by publishing a dedicated article, investigate needs for new research developments on specific topics and keep working on the NERIS Roadmap.

5. INFORMATION ON THE CONCERT PROJECT

5.1. General information on the CONCERT Project

Thierry Schneider informed on the latest information about the CONCERT Project. He reminded that 2 projects of interest for NERIS have been selected under the 2nd Call of CONCERT for the period 2017-2019:

 ENGAGE, on "Enhancing stakeholder participation in the governance of radiological risk", coordinated by Catrinel Turcanu (SCK•CEN),



 SHAMISEN-SINGS, in continuation of SHAMISEN with the topic "Stakeholder involvement in generating science after nuclear emergencies" coordinated by Elisabeth Cardis (ISGlobal).

The president encouraged participants to contact the respective coordinators to get further information on evolution of the projects.

5.2. CONCERT WPs

Thierry Schneider emphasized the following points concerning the different CONCERT work packages.

- **WP3:** The first CONCERT joint roadmap has been finalized, published and is available on both NERIS and CONCERT websites.
- **WP6**: Members should receive a regular newsletter, AIR². If not, missing members should contact the Secretariat to be added to the mailing list..
- **WP7**: There are regular open calls for Courses and Travel Grants, the community is welcomed to apply.

5.3. CONCERT WP5 - Contribution to the CONCERT Stakeholder Group

Concerning WP5, Thierry Schneider explained that the Stakeholder Group (subtask 5.2) had its first meeting on 27-28 September 2017 in Paris. Currently it consists in 15 European stakeholders from 8 different countries.

The president announced that the next step is to keep the Stakeholder Group informed regularly, to have another meeting and exchange at the occasion of ERPW18 on October 2018. The idea would be to present, discuss and share comments about the CONCERT joint Roadmap and the CONCERT funded projects.

6. NERIS PARTICIPATION TO ERPW 2018 IN ROVINJ

Thierry Schneider announced that a NERIS session dedicated to Environment and Health Monitoring is proposed for ERPW18 held in Rovinj (Croatia) on 1-5 October 2018. In addition, a transversal session of interest for NERIS will be focused on risk assessment, uncertainties and communication. Call for presentations (oral or poster) will be opened soon, so interested attendants are welcomed to send abstracts. The deadline to send abstracts is June 29th 2018, reviews will be completed by August 15th 2018 and authors will be notified on 31st August at earliest. For further information: https://erpw2018.com.

Participants wishing to organise satellite meetings are also invited to contact Thierry Schneider in order to book dedicated meeting rooms, since there is an opening on 2nd or 3rd of October mornings.

Thierry Schneider also announced the next ERPW in 2019 to be held Stockholm on 14-18 October.

7. OTHER ISSUES

Thierry Schneider announced that the next NERIS Workshop will be held in Roskilde (Denmark) on April or May 2019, hosted by DTU Nutech (Risø Campus – Center of Nuclear Technologies – Technical University of Denmark). At this occasion, it was decided to organise the tenth General Assembly. In addition, satellite meetings could take place during this week.

Kasper Andersson (DTU) welcomed the NERIS community and presented the Risø Campus.

The president also invited organizations wishing to organize a workshop to already propose a place for 2020.

8. INFORMATION ON DETECTION OF RUTHENIUM 106 IN THE EAST AND SOUTH-EAST PARTS OF EUROPE

Florian Gering (BfS) and Olivier Isnard (IRSN) presented the conclusions from the 1st meeting of the International Scientific Commission for Investigation of Ru-106 Case, held on 31 January 2018.

In the first part, Olivier Isnard summarized the current knowledge on this issue.



He explained that significant releases (100 - 300 TBq) of Ruthenium-106 were detected during the last week of September 2017. This event was detected at the continental scale while neither health or environmental impact in Europe were observed. He stated that after compiling data by correlating positive measurement and modelling, the most plausible zone of release would lie in the Urals.

Olivier Isnard also pointed out that such a release would have required the implementation of protective measures close to the release location, thus a Russian/European scientific commission was mobilized, with IRSN and BfS participating. He stressed out that an important issue is reaching the limits of the simulations based on the available atmospheric monitoring results, making local ground deposition monitoring results essential for a more accurate assessment.

Florian Gering summarized the conclusion of the 1st meeting of the Commission.

He stated that based on the measurements in different European countries and Russia, the entire activity of Ru-106 found in the air between the end of September to the beginning of October, 2017, is estimated as ~ 100 TBq. Also, modeling calculations performed in different countries were consistent with each other, though too many uncertainties remain to make conclusions about the location of the Ru source at the moment. Florian Gering also informed that in some countries, measurements of Ru-103 were made and the ratio of Ru-106/Ru-103 was corresponding to fresh spent fuel.

Florian Gering also explained that the Commission needs to:

- Collect and verify all available data, in order to form a unified Database and assess the quality
 of the data. It would be worthwhile to make this Database available for other people for further
 research and analysis.
- Request Roshydromet on the local weather conditions data and additional data on precipitation measurements,
- Add measurements upward the wind direction from localities where Ru-106 was found in the Chelyabinsk Region. On this, the Commission considers helpful to get measurements from Romania on deposition of Ru-106 since they detected the highest values of Ru-106.
- Present results in scientific magazines

The Commission noted that the Rostechnadzor inspections conducted at the PO "Mayak" and NIIAR (Dimitrovgrad) facilities during the period August – November 2017 showed **no deviations from normal technological processes**. Thus, the Commission acknowledges useful information and clarification provided for 2nd Meeting by experts from PA "Mayak" and IBRAE RAN. Members will analyze the presented data and make decisions on necessity of the future work and meetings.

The full presentation is provided on Annex 7.

At the end of this presentation, members of the NERIS General Assembly discussed the possibility for the NERIS platform to provide information and/or a statement in case of radiological events. T. Schneider noticed the interest of the NERIS Management Board for the Ru106 case. It was decided to publish a short news on NERIS website with links towards more detailed information provided by NERIS organisations such as BfS, IRSN, SCK CEN...

Thierry Schneider proposed that the NERIS MB further investigates the possibilities for diffusion of information, preparation of statements or even performance of calculations in case of future event. Before going further, it is essential to identify the possible process, the rules and to have an agreement from NERIS supporting organisations.

9. NERIS INTERNATIONAL FORUM

9.1. Introduction on the NERIS Roadmap

For introducing the forum, Thierry Schneider presented the first version of the NERIS Roadmap to the General Assembly, the full presentation on Annex 8.1. He developed the topics of each area:

- Challenges in radiological impact assessment during all phases of nuclear and radiological event
- Challenges in countermeasures and countermeasure strategies in emergency & recovery, decision support and disaster informatics



 Challenges in setting-up a trans-disciplinary and inclusive framework for preparedness for emergency response and recovery

Thierry Schneider asked each representative of the international organisations to present relevant activities within their organisation with regard to NERIS roadmap.

9.2. Highlights from international cooperation of interest for NERIS

WHO-REMPAN

Zhanat Carr (WHO) could not attend the Workshop but sent her contribution, thus Thierry Schneider presented the main links between NERIS and WHO. Zhanat Carr identified the following links between NERIS Roadmap key areas and WHO's areas of work:

- On improved monitoring (key topic 2), WHO has set up a WG on internal contamination monitoring. A report on lessons learnt from individual monitoring experience after major nuclear emergencies is under preparation. In addition, WHO plans to develop guidelines on internal contamination monitoring and management.
- A tool for public communication in relation to contaminated food after a nuclear emergency is being developed by WHO, and the organisation would be interested to cooperate with NERIS on pushing this document forward and finalizing it.
- WHO would be interested to develop guidelines for better health surveillance approaches.

The detailed presentation is available on Annex 8.2.

ICRP

Jean-François Lecomte (IRSN and secretary of ICRP Committee 4) presented the main current ICRP activities related to NERIS. He explained that work is continued on the update for Publications 109 and 111 and will be shared with Liaison Organizations for comments. ICRP Committee 4 is considering several additional items that are related to the NERIS program of work, such as:

- Responding to the needs of business interests following an emergency,
- Consideration of guidance on livestock and pets,
- Revision of Publication 96 to cover possible emergencies that are not at a large facility.

Jean-François Lecomte stated that ICRP would welcome suggestions and support for activities related to the additional areas. Also, he reminded that work is ongoing for Task Groups looking at the DDREF issue, the calculation of Detriment, and a report on Effective Dose. The latter should be available for consultation in the near future.

Please find the detailed presentation on Annex 8.3.

IAEA

Kilian Smith presented the main activities of the Incident and Emergency Centre of IAEA. He did an update on recent and planned activities on:

- o Development of Safety Standards and Technical Guidance
- Capacity Building Activities (Training, Webinars, EPRIMS, EPREV)
- Notification and official information exchange (USIE, EPR IEComm)
- Assessment of potential emergency consequences and prognosis of possible emergency progression

Killian Smith also announced for 2018: A Competent Authorities Meeting (CAM) under the Early Notification and Assistance Conventions on 18-22 June and The International Symposium on Communicating Nuclear and Radiological Emergencies to the Public on 1-5 October.

The detailed presentation is available on Annex 8.4.

NEA-OECD

Olvido Guzmán (NEA) explained NEA activities in Emergency Preparedness, Response and Recovery Management (EPR) and presented the links with the NERIS platform. She presented the outcomes,



method of work and participants of each item of the NEA Programme of Work 2018-2020 interfacing with the NERIS Roadmap:

- Real-time communication,
- Non-radiological public health aspects of radiation including psycho-social and other societal impacts of evacuation, sheltering and relocation. These activities should be given high-priority,
- Recommendations for building nationally adapted frameworks for recovery in NEA countries,
- o Benchmarking on dose projection code outputs based on same (or very similar) inputs,
- Update Protective Measures Handbooks. NERIS could be involved notably through CONFIDENCE project,
- Involvement of decision-makers in the planning and implementation of protective action strategy.

Olvido Guzman also announced that on 2019, NEA envisages to organise a joint workshop (OECD/ENV, OECD/GOV, NEA, JRC, others) on EPR in the nuclear and non-nuclear fields. On top of that NEA (EGIR) would be part of the consultation on revision of ICRP Publications 109, 111 and NERIS could be associated with this action.

The detailed presentation is available in Annex 8.5.

HERCA

Florian Gering (BfS) presented HERCA and the potential links between the NERIS Roadmap and the Working Group on Emergencies. He explained that key topics 1 to 5 are linked with HERCA WGE activities, respectively on: improved modelling, improved monitoring, data assimilation, countermeasures & countermeasure strategies and formal decision support.

Florian Gering also explained how key topic 7 on "Emergency response and recovery framework, including reference levels" is linked with HERCA WGE Action Plan 2018-2022.

Full details on Florian Gering's presentation are available in Annex 8.6.

EC-JRC

Ivana Oceano presented EC-JRC and its support in EP&R and links with NERIS. She explained that JRC perspectives in NEP&R Disaster Risk Management are focused on: developing a strong common understanding of the approaches in nuclear/radiological crises and compiling knowledge in crises management broader than the specificity of nuclear activities. Then, Ivana Oceano presented the implementations and actions of the Disaster Risk Management Knowledge Centre (DRMKC) which is in development.

She proposed to organise a JRC-NERIS meeting to present JRC activities in nuclear and non-nuclear EP&R and assess topics of collaboration.

The detailed presentation of Ivana Oceano is available in Annex 8.7.

Conclusion of the forum

Thierry Schneider thanked all organisations for their fruitful presentations. He proposed to discuss with the different organizations to see how to go further and identify the feasible cooperation. The aim will be for the Management Board to establish a Programme of Work with all the organizations on short term and long term. He invited participants to formalize comments and results of discussions and share it with the Management Board in the following weeks.

10. COMING EVENTS

Thierry Schneider provided information on 2 events of interest for NERIS:

- The 5th European IRPA congress, held 4-8 June 2018 at The Hague (The Nederlands)
- ▶ RICOMET 2018, held 13-15 June 2018 in Antwerp (Belgium).

11. CLOSING OF THE NINTH GENERAL ASSEMBLY

Thierry Schneider thanked all the participants and closed the General Assembly at 5:00 pm.



LIST OF ANNEXES

- Annex 1: List of Participants: NERIS Bureau
- Annex 2: List of Participants: Supporting Organisations
- Annex 3: Agenda of the Ninth NERIS General Assembly
- Annex 4: Membership of the NERIS platform
- Annex 5: NERIS Financial issues
 - Annex 5.1: Operating costs, resources and result for 2017
 - Annex 5.2: Expectations for 2018
- Annex 6: List of the meetings and activities of the NERIS Platform in 2017
- Annex 7: Information on detection of Ruthenium 106 in the East and South-East parts of Europe, Florian Gering (BfS) and Olivier Isnard (IRSN)
- Annex 8: Presentations from the International Forum
 - Annex 8.1: Presentation of the NERIS Roadmap, Thierry Schneider (CEPN)
 - Annex 8.2: Identified links between NERIS Roadmap key areas and WHO's area of work
 - Annex 8.3: Presentation of ICRP-NERIS relationship
 - Annex 8.4: Update on IAEA EPR activities
 - Annex 8.5: NEA activities in Emergency Preparedness, Response and Recovery Management; Links with NERIS activities, Olvido Guzman (NEA)
 - Annex 8.6: Potential links between HERCA (Working Group on Emergencies) and NERIS activities, Florian Gering (BfS)
 - Annex 8.7: The EC-JRC support in EP&R and link with NERIS, Ivana Oceano



Annex 1. List of Participants: NERIS Bureau



M04252018

NINTH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Wednesday April 25, 2018

Dublin Castle - Dame Street - Dublin 2, Ireland

Members of the Bureau of the NERIS Platform

Thierry SCHNEIDER, CEPN	Chair	F. Y
Florian GERING, BfS	Vice-Chair	7-60ig
Deborah OUGHTON, NMBU	Secretary	Ra
Wolfgang RASKOB, KIT	Treasurer	Cv. Rank



Annex 2. List of Participants: Supporting Organisations



M04252018

NINTH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Wednesday April 25, 2018

Dublin Castle - Dame Street - Dublin 2, Ireland

Supporting organisations of the NERIS Platform

ORGANISATIONS	REPRESENTIVES	SIGNATURE
APA - Agencia Portuguesa do Ambiente	Paulo Nuties	Paulo pho
BIS - Federal Office for Radiation Protection	Florian Gering	7.6mg
CEPN - Nuclear Evaluation Protection Centre	Thisty Schnill	Deal
CIEMAT	MILLAGROS MOMERO	exchape of the
DTU NUTECH -Technical University of Denmark	Kespe Awaresin	hoppula
EPA — Environmental Protection Agency	VERONICA SMITH	time banous
FOPH - Federal Office Public Health	prony to Theory Scheider	Sil
GAEC - Greek Atomic Energy Commission	Promy to Sprynes Andronopoules	
IRSN - French Institute for Radiological Protection and Nuclear Safety	CHARRON Sylvi	R.
IST - Instituto Superior Técnico (the Lisbon School of Engineering, Science and Technology)	HARIO REIS	Caitin 7
KIT - Karlsruhe Institute of Technology	W. Raskob	W. Raw
MUTADIS	C teriord - Johans	2



List of Participants: Supporting Organisations (continued)



M04252018

ORGANISATIONS	REPRESENTIVES	SIGNATURE
NCBJ - National Centre for Nuclear Research		9
NCSRD - National Centre for Scientific Research "Demokritos"	S. Andronopou	65 - EN
NMBU - Norwegian University of Life Sciences	DEBORAH OUGHTON	P.a
NRPA - Norwegian Radiation Protection Authority	SHAND CHAIR TONGS	and G. Selas
PDC-Argos - Prolog development Center	The METANSON	h-
PHE Public Health England	proxy to theory Scheider	524
SCK-CEN - Relgian Nuclear Research Centre	Johan Gamps	7
STUK - Finnish Radiation and Nuclear Safety Authority	Tagn Kahanuan	in Qualital
SURO - National Radiation Protection Institute	POTR KUCA	Polish
Techatom	Promy to Educato Gallego	Teleb Lelly
UNIMI- University of Milan	MARIE CLAIRE	Model 48
University of Warwick	S. MON FRENCH	521
UPM - Universidad Politécnica de Madrid	Edvands GALLEGO	Felich Jelly
VUJE - Nuclear Power Plants Research Institute	TatiquaDurque	nu (m) -



Annex 3. Agenda of the Ninth NERIS General Assembly



European Platform on Preparedness for Nuclear and Radiological Emergency Response and Recovery

NINTH GENERAL ASSEMBLY OF THE NERIS PLATFORM

Wednesday April 25, 2018

13.30 - 17:00

Dublin Castle - Dame Street - Dublin 2, Ireland

AGENDA

13:30 - 15:00 REVIEW OF THE NERIS PLATFORM ACTIVITIES

Opening of the General Assembly and adoption of the agenda

(President - Thierry Schneider - CEPN)

Annual report (President – Thierry Schneider - CEPN)

- Activities and evolution of the memberships
 - Adoption of the report by the GA

Financial issues (Report of the treasurer: Wolfgang Raskob – KIT)

- Results of 2017
 - Adoption of the results of 2017
- Proposal for 2018
- Adoption of the fees for 2019

Review of the Platform activities

- ► Activities of the NERIS Working groups:
 - WG on ICRP recommendations (Wolfgang Raskob KIT)
 - WG on Contaminated Goods (Sylvie Charron IRSN)
 - WG on Information, Participation and Communication (Eduardo Gallego UPM)
- ► Activities of the RODOS Users Group (Florian Gering BfS)
- ▶ Activities of the ARGOS User Group (Jan Pehrsson PDC ARGOS)
- ▶ Activities of the NERIS R&D Committee (Johan Camps SCK CEN)

Information on the CONCERT project

▶ General Information on the CONCERT Project

NERIS participation to the ERPW18 in October 2018 in Rovinj (Tatiana Duranova & Mélanie Maître)



Agenda of the Ninth NERIS General Assembly (continued)



European Platform on Preparedness for Nuclear and Radiological Emergency Response and Recovery

Other issues

- NERIS Workshop 2019
- ▶ Date and venue of the next General Assembly

Information on detection of Ruthenium 106 in the East and South-East parts of Europe (Florian Gering – BfS- and Olivier Isnard - IRSN)

15:00 - 15:30 Coffee Break

15:30 - 17:00 NERIS INTERNATIONAL FORUM

Introduction on the NERIS Roadmap (President-Thierry Schneider – CEPN)



Highlights from international cooperation of interest for NERIS

- ► WHO REMPAN (Zhanat Carr)
- ► ICRP (Jean-François Lecomte)
- ► IAEA (Kilian Smith)
- ► NEA/OECD (Olvido Guzman/Ted Lazo)
- ► HERCA (Florian Gering)
- ► EC-ISPRA (Ivana Oceano)

General discussion on possible link with NERIS activities

 $\textbf{Closing Remarks of the Ninth General Assembly} \ (\textit{President-Thierry Schneider-CEPN})$



Annex 4. Membership of the NERIS platform

Supporting organisations:

- 1. APA Agencia Portuguesa do Ambiente (Portugal)
- 2. <u>BfS</u> Federal Office for Radiation Protection (Germany)
- 3. <u>CEPN</u> Nuclear Evaluation Protection Centre (France)
- 4. <u>CIEMAT</u> Research Centre for Energy, Environment and Technology (Spain)
- 5. <u>DTU</u> Technical University of Denmark (Denmark)
- 6. <u>EPA</u> Environmental Protection Agency (Ireland)
- 7. <u>FOPH</u> Federal Office of Public Health, Radiological Protection (Switzerland)
- 8. GAEC Greek Atomic Energy Commission (Greece)
- 9. IRSN French Institute for Radiological Protection and Nuclear Safety (France)
- 10. IST Instituto Superior Técnico, the Lisbon School of Engineering, Science and Technology (Portugal)
- 11. KIT Karlsruhe Institute of Technology (Germany)
- 12. MUTADIS (France)
- 13. NCSRD National Centre for Scientific Research "Demokritos" (Greece)
- 14. NCBJ National Centre for Nuclear Research (Poland)
- 15. NMBU Norwegian University of Life Sciences (Norway)
- 16. NRPA Norwegian Radiation Protection Authority (Norway)
- 17. PHE Public Health England (United Kingdom)
- 18. PDC Prolog Development Center (Denmark)
- 19. SCK.CEN Belgian Nuclear Research Centre (Belgium)
- 20. STUK Finnish Radiation and Nuclear Safety Authority (Finland)
- 21. <u>SURO</u> National Radiation Protection Institute (Czech Republic)
- 22. Tecnatom (Spain)
- 23. <u>UNIMI</u> University of Milan (Italy)
- 24. University of Warwick (United Kingdom)
- 25. <u>UPM</u> Universidad Politécnica de Madrid (Spain)
- 26. <u>VUJE</u> Nuclear Power Plants Research Institute (Slovakia)

Members:

- 27. AgroParisTech Paris Institute of Technology for Life, Food and Environmental Sciences (France)
- 28. AIT Austrian Institute of Technology (Austria)
- 29. ANCCLI National Association of Liaison Committee (France)
- 30. ASN French Safety Authority (France)
- 31. BIR Bundeswehr Institute of Radiobiology (Germany)
- 32. <u>DEMA</u> Danish Emergency Management Agency (Denmark)
- 33. DZZZ Office for Radiological and Nuclear Safety (Croatia)
- 34. ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development (Italy)
- 35. EVIRA Finnish Food Safety Authority (Finland)
- 36. GRS Gesellschaft für Anlagen und Reaktorsicherheit (Germany)
- 37. <u>Hungarian Academy of Sciences Centre for Energy Research</u> (Hungary)
- 38. <u>IFIN HH</u> National Institute of Physics and Nuclear Engineering (Romania)
- 39. <u>IKE</u> Institute of Nuclear Technology and Energy Systems (Germany)
- $40. \quad \underline{\text{ISP NPP}} \text{ Institute for Safety Problems of Nuclear Power Plants (Ukraine)}$
- 41. <u>ISS</u> Istituto Superiore di Sanità (Italy)
- 42. <u>KWR</u> Watercycle Research Institute (Netherlands)
- 43. MBS University of Manchester (United Kingdom)
- 44. <u>NAEA</u> National Atomic Energy Agency (Poland)
- 45. NPP-OSI -NPP Operation Support Institute (Ukraine)
- 46. NRG Nuclear Research and Consultancy Group (Netherlands)
- 47. PMA Pays de Montbéliard Agglomération (France)
- 48. Regional Environmental Center (Slovenia)
- 49. RIKILT Institute of Food Safety (Netherlands)
- 50. RIR Research Institute of Radiology (Belarus)
- 51. RIVM National Institute for Public Health and the Environment (Netherlands)
- 52. SCN Institute for Nuclear Research (Romania)
- 53. SNSA Slovenian Nuclear Safety Administration (Slovenia)
- 54. <u>SSTC NRS</u> State Scientific and Technical Center for Nuclear and Radiation Safety (Ukraine)
- 55. TRPA Taiwan Radiation Protection Association (Taiwan)
- 56. <u>UBB</u> University babes-Bolyai (Romania)
- 57. <u>UCEWP</u> Ukrainian Center of Environmental and Water Projects (Ukraine)
- 58. <u>UOI</u> University of Ioannina (Greece)
- 59. UV University of Valencia (Spain)
- 60. UVM.BWL Ministerium für Umwelt, Naturschutz und Verkehr Baden-Württemberg (Germany)



Annex 5. NERIS Financial issues

Annex 5.1 Operating costs, resources and result for 2017

	NERIS 2017 OPERATING COSTS								
NERIS COSTS	Items	Workload days	Workload days paid	Daily cost VAT excluded €	Total cost VAT excuded €	Total cost VAT included 20% €	T&S and others €	Subtotal F €	Total €
NETWORK SECRETARIAT (CEPN)	1								
NERIS Steering Group & Management	General management (manager)	2,5	2	1400,00	2800,00	3360,00		3360,00	
	Assistance (junior researcher)	15,8	10	600,00	6000,00	7200,00	280,50	7480,50	
NERIS Workshops (NERIS 2017+ERPW)	Workshops organisation (manager)	2	1	1400,00	1400,00	1680,00		1680,00	
	Workshops organisation (junior researcher	7	6	600,00	3600,00	4320,00	321,32	4641,32	
WG & sub-network management	Management (manager)	1	1	1400,00	1400,00	1680,00		1680,00	
	Assistance (junior researcher)	3	2	600,00	1200,00	1440,00		1440,00	
NERIS Newsletters	Editorial board (manager)	1	0	1400,00	0,00	0,00		0,00	
	Realisation (junior researcher)	5	4	600,00	2400,00	2880,00		2880,00	
NERIS website	Maintenance, upgrading (senior researcher	4,5	1	980,00	980,00	1176,00		1176,00	
	Maintenance, upgrading (junior researcher	3	0	600,00	0,00	0,00		0,00	24337,8
Contacts with intl. Organisations	Management (manager)	6	5	1400,00	7000,00	8400,00		8400,00	8400,0
European projects	CONCERT Projects (manager)	6	0	1400,00	0,00	0,00		0,00	
	Travel meeting costs						4802,83	4802,83	
	SHAMISEN project	0	0	1400,00	0,00	0,00		0,00	
	Stakeholder invitations						5269,15	5269,15	10071,9
Reception	Lunches, dinner (AB, SG)						0,00	0,00	
Workshop	Workshop organisation - Neris 2017						9377,59	9377,59	
Others	Auditor certification						500,00	500,00	
	Web domain (neris.eu), stamp, banking						128,34	128,34	10005,9
NERIS COST for coordination		56,8	32		26780,00	32136,00	20679,73		52815,7
Contributions	ALLIANCE/ICRER						1000,00		1000,0
	RPW 2017						2000,00		2000,0
NERIS COST for support							3000,00		3000,0
TOTAL NERIS COSTS		56,8	32,0			32136,00	23679,73		55815,

	NERIS 2017 RESOURCES	
Fees	members of NERIS - supporting organisations	38000,00
European financial support	CONCERT project	3162,20
	OPERRA SHAMISEN project	4134,77
Workshop	Registrations - Lisbon	14500,00
TOTAL NERIS RESOURCES		59796,97

RESULT	3981	1,24
--------	------	------

	FEES 2017						
IERIS RESOURCES	Members of NERIS - supportir	Members of NERIS - supporting organisations					
	1 Belgium	SCK-CEN	Belgian Nuclear Research Center	1000,0			
	2 Czech Rep.	SURO	National Radiation Protection Institute	1000,0			
	3 Denmark	DTU	Technical University of Denmark	1000,0			
	4 Denmark	PDC	Prolog Development Center	1000,0			
	5 Finland	STUK	Radiation and Nuclear Safety Authority	2000,			
	6 France	MUTADIS	Mutadis	1000,0			
	7 France	CEPN	Nuclear Evaluation Protection Center	1000,0			
	8 France	IRSN	Institute for Radiological Protection and Nuclear Safety	2000,0			
	9 Germany	BFS	Federal Office for Radiation Protection	2000,0			
	10 Germany	KIT	Karksruhe Institute of Technology	1000,			
	11 Germany	IKE	University of Stuttgart	0,0			
	12 Greece	GAEC	Greek Atomic Energy Commission	2000,0			
	13 Greece	DEMOKRITOS	National Center for Scientific Research DEMOKRITOS	1000,0			
	14 Ireland	EPA	Environmental Protection Agency	2000,0			
	15 Italy	UNIMI	University of Milan	1000,			
	16 Netherland	KWR	Watercycle Research Institute	0,			
	17 Norway	NRPA	Norwegian Radiation Protection Authority	2000,			
	18 Norway	NMBU	Norwegian University of Life Science	1000,0			
	19 Poland	NCNR	National Centre for Nuclear Research	1000,0			
	20 Portugal	IST	Technical Institute of Lisbon	1000,0			
	21 Portugal	APA	Agencia Portugesa do Ambiente	2000,0			
	22 Spain	UPM	Technical University of Madrid	1000,			
	23 Spain	CIEMAT	Ciemat	2000,			
	24 Spain	TECNATOM	Tecnatom	2000,			
	25 Slovakia	VUJE	Nuclear Power Plants Research Institute	2000,			
	26 Switzerland	OFSP	Swiss Federal Office of Public Health	2000,			
	27 United Kingdom	PHE	Public Health England	2000,			
	28 United Kingdom	RISCU	University of Warwick	1000,			
OTAL FEES	0	1		38000,			



Annex 5.2 Expectations for 2018

	NERIS 2018 OPERATING COSTS								
NERIS COSTS	Items	Workload days	Workload days paid	Daily cost VAT excluded €	Total cost VAT excuded €	Total cost VAT included 20% €	T&S and others €	Subtotal F €	Total €
NETWORK SECRETARIAT (CEPN)									
NERIS Steering Group & Management	General management (manager)	3	2	1400,00	2800,00	3360,00		3360,00	
	Assistance (junior researcher)	15	10	600,00	6000,00	7200,00	300,00	7500,00	
NERIS Workshops (NERIS 2017+ERPW)	Workshops organisation (manager)	2	1	1400,00	1400,00	1680,00		1680,00	
•	Workshops organisation (junior researcher)	7	5	600,00	3000,00	3600,00	600,00	4200,00	
NG & sub-network management	Management (manager)	2	1	1400,00	1400,00	1680,00		1680,00	
	Assistance (junior researcher)	3	2	600,00	1200,00	1440,00		1440,00	
NERIS Newsletters	Editorial board (manager)	1	0	1400,00	0,00	0,00		0,00	
	Realisation (junior researcher)	5	4	600,00	2400,00	2880,00		2880,00	
NERIS website	Maintenance, upgrading (senior researcher)	4	2	980,00	1960,00	2352,00		2352,00	
	Maintenance, upgrading (junior researcher)	3	0	600,00	0,00	0,00		0,00	25092
Contacts with intl. Organisations	Management (manager)	6	5	1400,00	7000,00	8400,00		8400,00	8400
European projects	CONCERT Projects (manager)	5	0	1400,00	0,00	0,00		0,00	
	Consultation meetings						10000,00	10000,00	10000
Reception	Lunches, dinner (AB, SG)						200,00	200,00	
Vorkshop	Workshop organisation - Neris 2018						9500,00	9500,00	
Others	Auditor certification						500,00	500,00	
	Web domain (neris.eu), stamp, banking						160,00	160,00	10360
NERIS COST for coordination		56	32		27160,00	32592,00	21260,00		53852
ontributions	RPW						2000,00		2000
IERIS COST for support							2000,00		2000
OTAL NERIS COSTS		56.0	32.0			32592,00	23260.00		55852

	NERIS 2018 RESOURCES	
Fees	members of NERIS - supporting organisations	38000,00
European financial support	CONCERT project	0,00
	CONCERT consultation meeting support	7000,00
Workshop	Registrations - Dublin	13500,00
TOTAL NERIS RESOURCES		58500,00

RESULT		2648,00
--------	--	---------

	FEES 2018				
NERIS RESOURCES	Members of NERIS - supporting	organisations		Fees €	
	1 Belgium	SCK-CEN	Belgian Nuclear Research Center	1000,00	
	2 Czech Rep.	SURO	National Radiation Protection Institute	1000,00	
	3 Denmark	DTU	Technical University of Denmark	1000,00	
	4 Denmark	PDC	Prolog Development Center	1000,00	
	5 Finland	STUK	Radiation and Nuclear Safety Authority	2000,00	
	6 France	MUTADIS	Mutadis	1000,00	
	7 France	CEPN	Nuclear Evaluation Protection Center	1000,00	
	8 France	IRSN	Institute for Radiological Protection and Nuclear Safety	2000,00	
	9 Germany	BFS	Federal Office for Radiation Protection	2000,00	
	10 Germany	KIT	Karksruhe Institute of Technology	1000,00	
	11 Germany	IKE	University of Stuttgart	0,00	
	12 Greece	GAEC	Greek Atomic Energy Commission	2000,00	
	13 Greece	DEMOKRITO	National Center for Scientific Research DEMOKRITOS	1000,00	
	14 Ireland	EPA	Environmental Protection Agency	2000,00	
	15 Italy	UNIMI	University of Milan	1000,00	
	16 Netherland	KWR	Watercycle Research Institute	0,00	
	17 Norway	NRPA	Norwegian Radiation Protection Authority	2000,00	
	18 Norway	NMBU	Norwegian University of Life Science	1000,00	
	19 Poland	NCNR	National Centre for Nuclear Research	1000,00	
	20 Portugal	IST	Technical Institute of Lisbon	1000,00	
	21 Portugal	APA	Agencia Portugesa do Ambiente	2000,00	
	22 Spain	UPM	Technical University of Madrid	1000,00	
	23 Spain	CIEMAT	Ciemat	2000,00	
	24 Spain	TECNATOM	Tecnatom	2000,00	
	25 Slovakia	VUJE	Nuclear Power Plants Research Institute	2000,00	
	26 Switzerland	OFSP	Swiss Federal Office of Public Health	2000,00	
	27 United Kingdom	PHE	Public Health England	2000,00	
	28 United Kingdom	RISCU	University of Warwick	1000,00	
TOTAL FEES				38000,00	

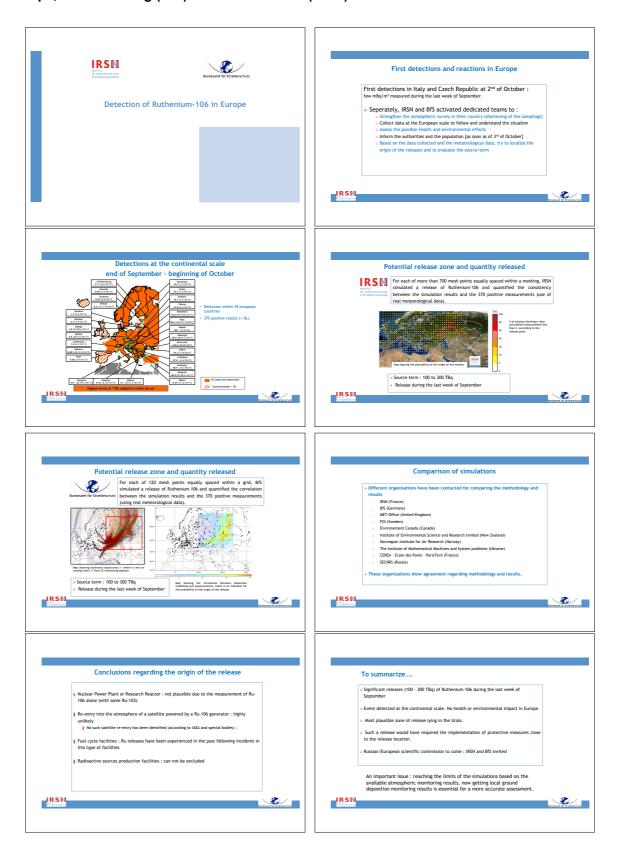


Annex 6. List of the meetings and activities of the NERIS Platform in 2017

Event	Date	Venue
NERIS Management Board Meetings		
23 rd NERIS Management Board	3 March 2017	Skype meeting
24 th NERIS Management Board	4 May 2017	Skype meeting
25 th NERIS Management Board	12 June 2017	Skype meeting
26 th NERIS Management Board	13 July 2017	Skype meeting
27 th NERIS Management Board	6 September 2017	Skype meeting
28 th NERIS Management Board	11 October 2017	Marne-la-Vallée
R&D Committee meetings		
NERIS R&D Committee – Preparation of the 3 rd NERIS Workshop	30 January 2017	Brussels (Belgium)
NERIS R&D Committee – Update of the NERIS SRA	31 January 2017	Brussels (Belgium)
Consultation meeting on the NERIS Roadmap	22 September 2017	Brussels (Belgium)
NERIS R&D Committee – Finalisation of the NERIS Roadmap and SRA	11 October 2017	Marne-la-Vallée
General Assembly		
8 th NERIS General Assembly	17 May 2017	Lisbon (Portugal)
Training Courses		
International Training Course on "Assessment of long-term radiological risks from environmental releases: modelling and measurements"	6-17 March 2017	Roskilde (Denmark)
International Training Course on "Preparedness and response for nuclear and radiological emergencies"	20-24 Mars 2017	Mol (Belgium)
International Training Course on "Late Phase Nuclear Accident Preparedness and Management"	19-23 June 2017	Gomel (Belarus)
RODOS User Group		
RUG meeting	03-05 April 2017	Karlsruhe (Germany)
Workshops		
3rd NERIS Workshop	18-19 May 2017	Lisbon (Portugal)
Cooperation with European Platforms		
EAN-NERIS Workshop	15-17 May 2017	Lisbon (Portugal)
European Radiation Protection Week	10-12 October 2017	Marne-la-Vallée (France)
MELODI, EURADOS, NERIS, ALLIANCE, EURAMED meeting	12 October 2017	Marne-la-Vallée (France)
OPERRA Project		
3 rd periodic meeting	23-25 May 2017	Budapest (Hungary)
CONCERT Project		
Executive and Management Board	16 February 2017	Munich (Germany)
Management Board	22 July 2017	Munich (Germany)
Executive and Management Board	09 October 2017	Marne-la-Vallée (France)
CONCERT WP5 Stakeholder Group	27-28 September 2017	Paris (France)
CONCERT WP2-WP3 and NERIS R&D Committee		
CONCERT SRA & Joint Roadmap	22 May 2017	Budapest (Hungary)
CONCERT SRA & Joint Roadmap	11 October 2017	Marne-la-Vallée (France)
CONCERT Joint Roadmap	27 October 2017	Conference Call
CONCERT Joint Roadmap	14 November 2017	Conference Call
Participation to other Workshops		
SHAMISEN Final Workshop	23-24 March 2017	Paris (France)
RICOMET 2017	27-29 June 2017	Vienna (Austria)
ICRP Symposium	10-12 October 2017	Marne-la-Vallée (France)
Other cooperation		
COMET Final Event	25-27 April 2017	Bruges (Belgium)
REMPAN meeting	3 July 2017	Geneva (Switzerland)
WPNEM - INEX 5 meeting	25 October 2017	Paris (France)
RTD Information Day	09 November 2017	Brussels (Belgium)
ICRP SLO meeting	17 November 2017	Geneva (Switzerland)



Annex 7. Information on detection of Ruthenium 106 in the East and South-East parts of Europe, Florian Gering (BfS) and Olivier Isnard (IRSN)





Information on detection of Ruthenium 106 in the East and South-East parts of Europe (continued)

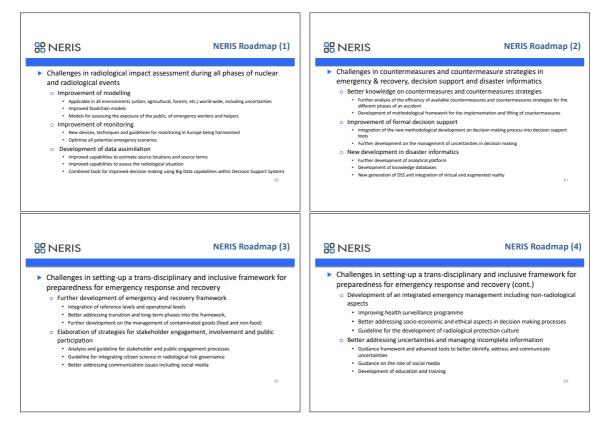




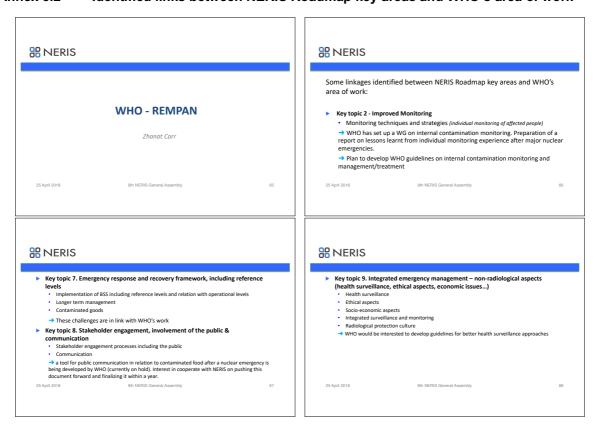


Annex 8. Presentations from the International Forum

Annex 8.1 Presentation of the NERIS Roadmap, Thierry Schneider (CEPN)



Annex 8.2 Identified links between NERIS Roadmap key areas and WHO's area of work



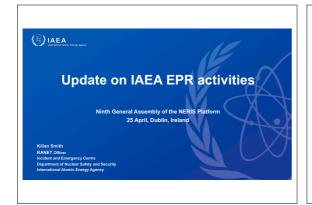


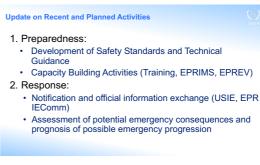
Annex 8.3 Presentation of ICRP-NERIS relationship, Jean François Lecomte (IRSN)



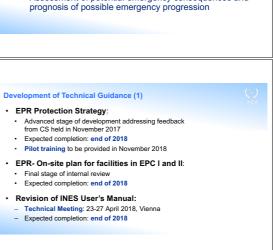


Update on IAEA EPR activities, Kilian Smith Annex 8.4





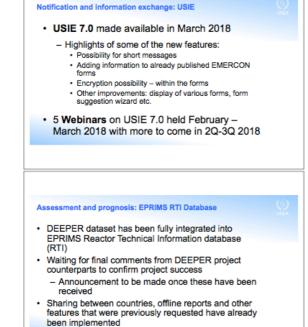




EPR - A&P manual to be

published soon

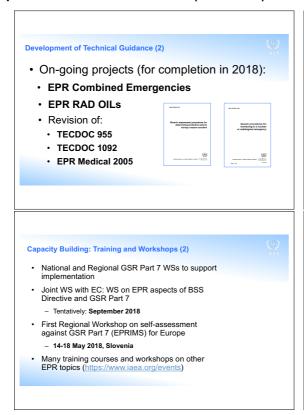
Assessment and prognosis: Operations Manual







Update on IAEA EPR activities (continued)





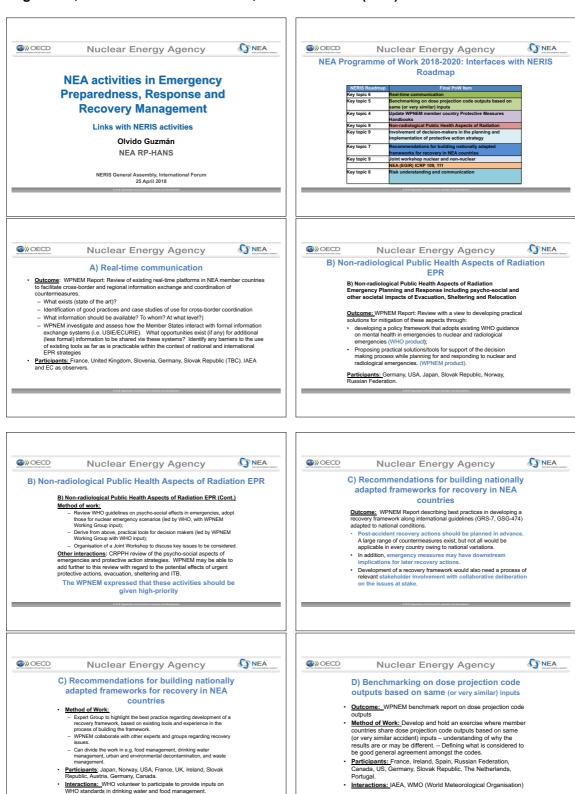




Next: Food Safety in a Nuclear or Radiological Emergency, Dates to be confirmed, (IEC/FAO)

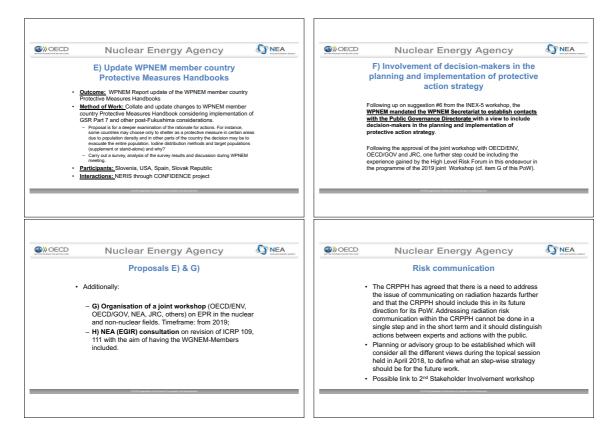


Annex 8.5 NEA activities in Emergency Preparedness, Response and Recovery Management; Links with NERIS activities, Olvido Guzman (NEA)





NEA activities in Emergency Preparedness, Response and Recovery Management; Links with NERIS activities (continued)

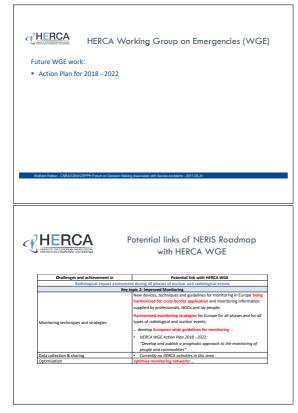


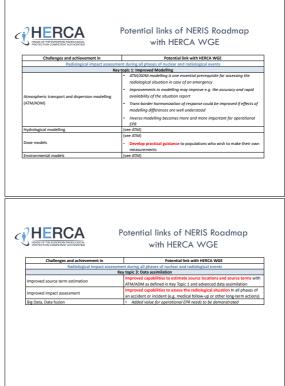
Annex 8.6 Potential links between HERCA (Working Group on Emergencies) and NERIS activities, Florian Gering (BfS)

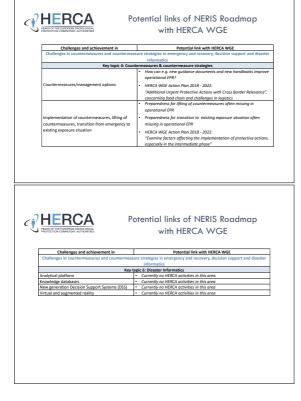


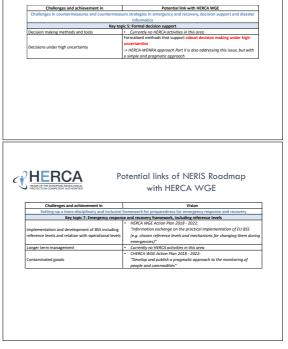


Potential links between HERCA (Working Group on Emergencies) and NERIS activities (continued)









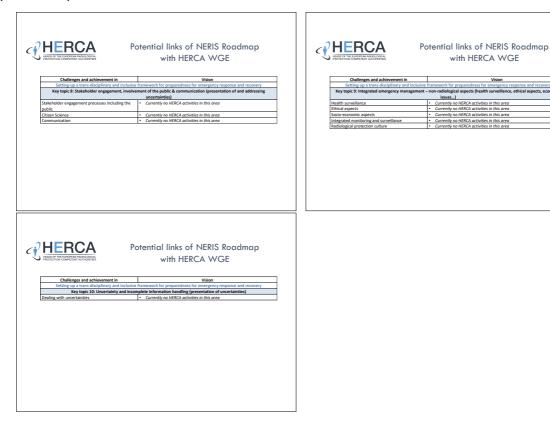
Potential links of NERIS Roadmap

with HERCA WGE

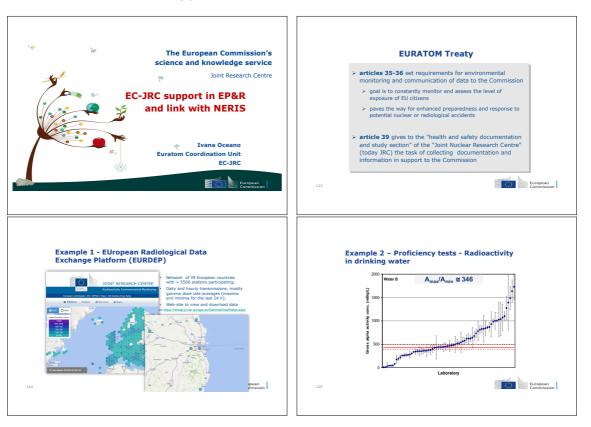
HERCA



Potential links between HERCA (Working Group on Emergencies) and NERIS activities (continued)



Annex 8.7 The EC-JRC support in EP&R and link with NERIS, Ivana Oceano





The EC-JRC support in EP&R and link with NERIS (continued)





