

JOPRAD – Preparation of the Programme Document

Amba Hotel, Marble Arch, London
Tuesday 4th April 2017

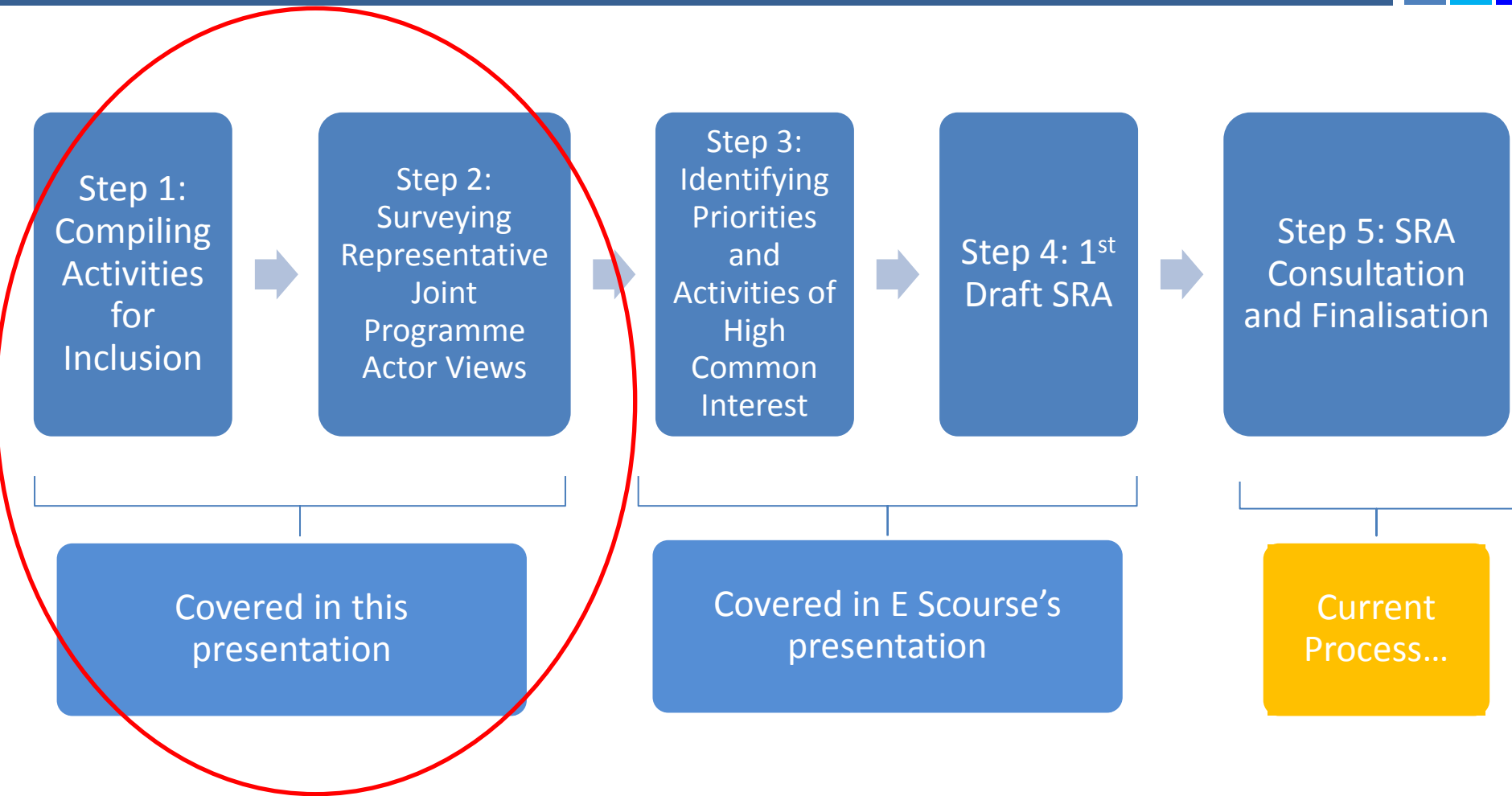
Ray Kowe, RWM, Jon Martin, RWM, Ellie Scourse, MCM, Tara Beattie, MCM



This project has received funding from the Euratom research and training programme 2014-2018 under grant agreement n° 653951



Overview of Methodology for Developing SRA

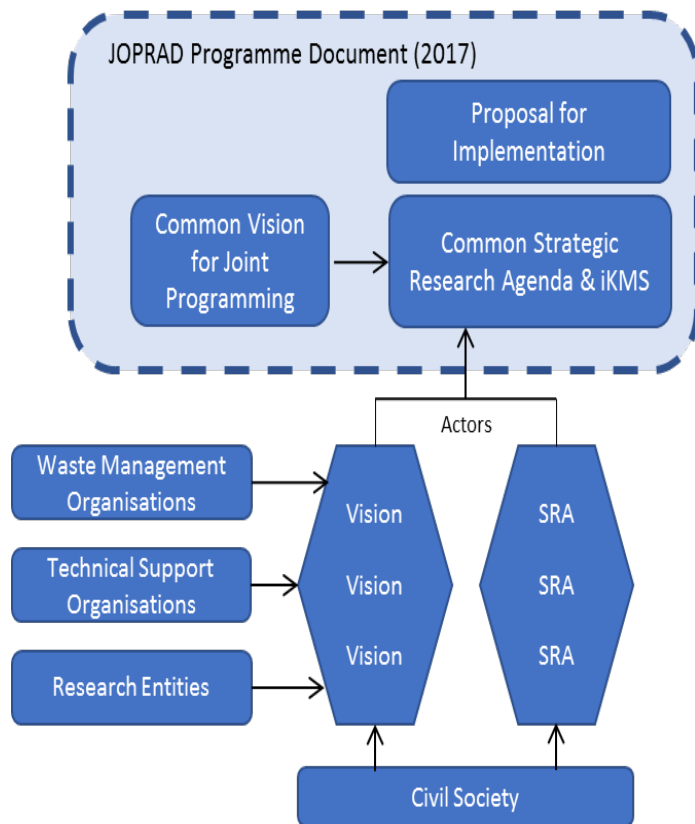


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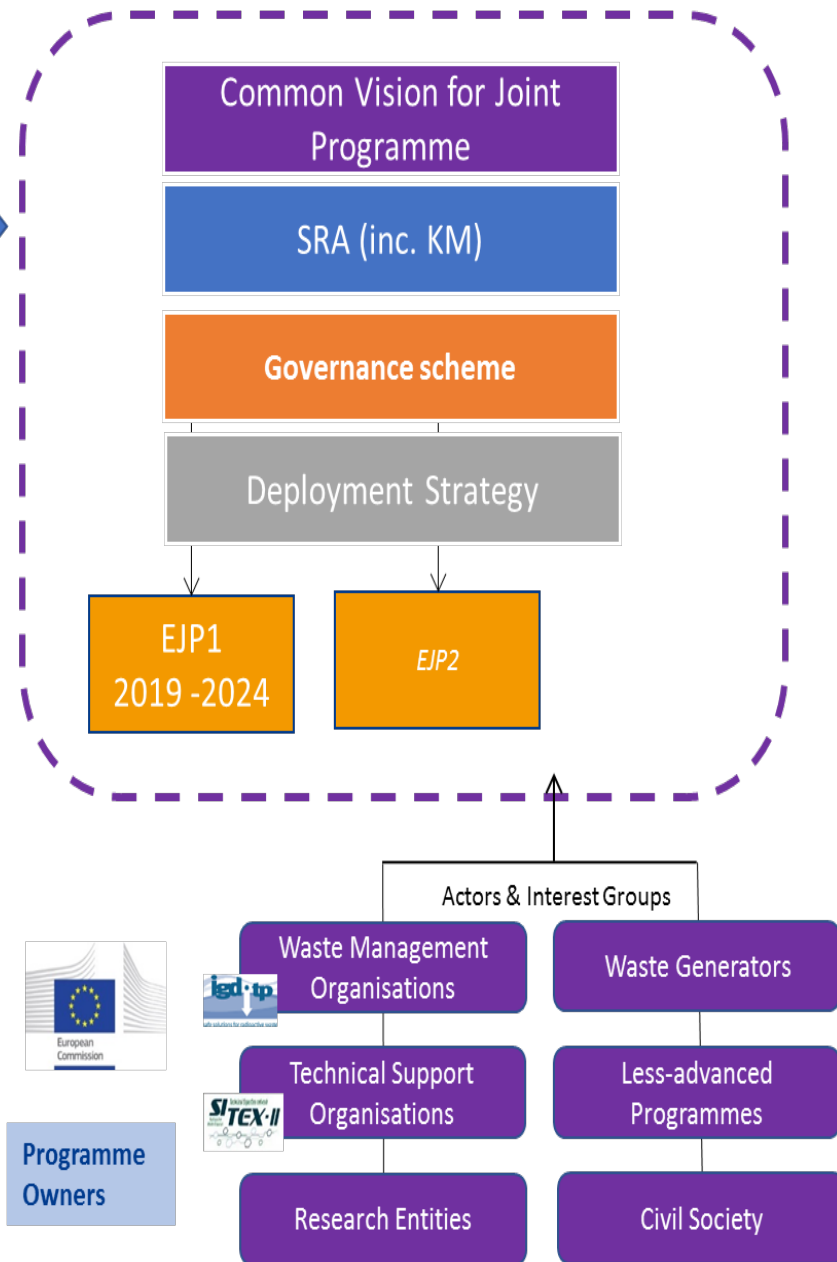
1. Aims of the Programme Document
2. Members of the Programme Document working group
3. Vision and boundary conditions for Joint Programming
4. Production of the Programme Document
5. Structure of Programme Document

Aims of Programme Document

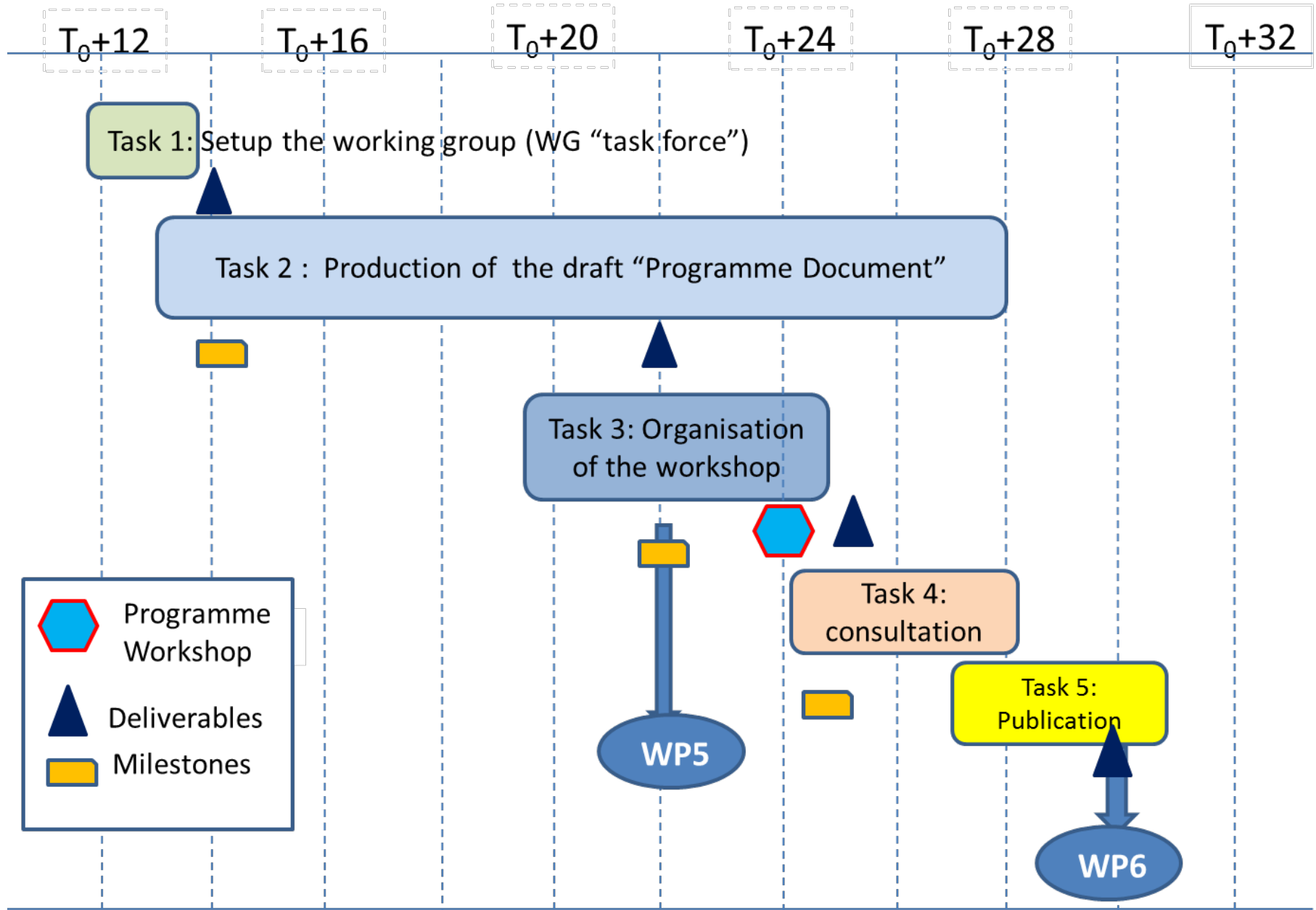
- The “**Programme Document**” is the main outcome of the JOPRAD project.
- WMOs, TSOs, REs have identified scientific and technical activities that they have prioritised individually in their different Strategic Research Agendas (SRAs) as suitable for Joint Programming.
- Defines a joint Strategic Research Agenda will be made available to the European Commission for its use in the preparation of a call for a Joint Programme.
- It considers the input from Civil Society and the needs of Member States with Less Advanced Programmes.
- Incorporates integrated knowledge management system (IKMS).



Future Joint Programme



WP4 "Production of the Programme Document"



Members of WP4 Working Group

Bernd Grambow (CNRS, France)
Christophe Davies (DG RTD, Belgium)
Bruno Autrusson (IRSN, France)
Pierre Dick (IRSN, France)
Elisabeth Salat (IRSN, France)
Christophe Serres (IRSN, France)
Ellie Scourse (MCM, UK)
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Jitka Miksova (CVREZ, Czech Republic)
Antonin Vokal (Surao, Czech Republic)
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Julien Dewoghélaëre (Mutadis, France)
Gilles Hériard-Dubreuil (Mutadis, France)
Yves Marignac (Mutadis, France)
Frank Lemy (BelV, Belgium)
Valéry Detilleux (BelV, Belgium)

Vision for Joint Programming

Derived vision for Joint Programming:

A step change in European collaboration towards safe radioactive waste disposal through a credible and sustained science and technology programme fostering mutual understanding and trust:

- A consensus programme between regulatory support organisations, implementers and researchers throughout the decades covering the development and operation of disposal facilities;
- Enhancing the understanding of the risks and uncertainties; and
- Ensuring societal visibility and transparency of research and development.

Boundary conditions for Joint Programme

Maintenance of Independence - it is important that the “expertise function” (TSOs and Research Entities) and the “implementing function” (WMO) use and independently interpret the results from research.

Transparent Governance – need a transparent, balanced and efficient mode of governance which takes into account all participants (including Civil Society).

Balanced Programme - different Member States have a wide range of maturities in their National Programmes, the scope of the Joint Programme should support both advanced and less advanced programmes.

Added Value - ensuring that Joint Programming provides real added value (e.g. improved financial arrangements, improved stakeholder acceptance of outputs, more robust RD&D outputs, low administration costs etc.).

Strategic Research Agendas

JOPRAD – D3.5 - Aspects of the SRA of Research Entities to be included in a JP (Final version)



Contract Number: 653951

Deliverable n°3.5

Aspects of the SRA of Research Entities to be included in a JP
Work Package 3

Editors: Bernd Grambow
Date of issue of this report: 19/01/2017
Report number of pages: 50
Start date of project: 01/06/2015
Duration: 30 Months

Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Horizon 2020 Framework Programme		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the partners of the JOPRAD project	
CO	Confidential, only for partners of the JOPRAD project	X

JOPRAD – D3.4 - Aspects of the SITEX SRA to be included in a JP (Final version)



Contract Number: 653951

Deliverable n°3.4
Aspects of the SITEX SRA to be included in a JP
Work Package 3

Editors: Lemy Frank, Janssen Pierre
Date of issue of this report: 19/01/2017
Report number of pages: 35
Start date of project: 01/06/2015
Duration: 30 Months

Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Horizon 2020 Framework Programme		
Dissemination Level		
PU	Public	
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CO	Confidential, only for partners of the JOPRAD project	X

D3.3 - "Aspects of the IGD-TP to be included in Joint Programming on Radioactive Waste Disposal"



Contract Number: 653951

Deliverable n° 3.3
"Aspects of the IGD-TP to be
included in Joint Programming on Radioactive Waste Disposal"
Work Package 3

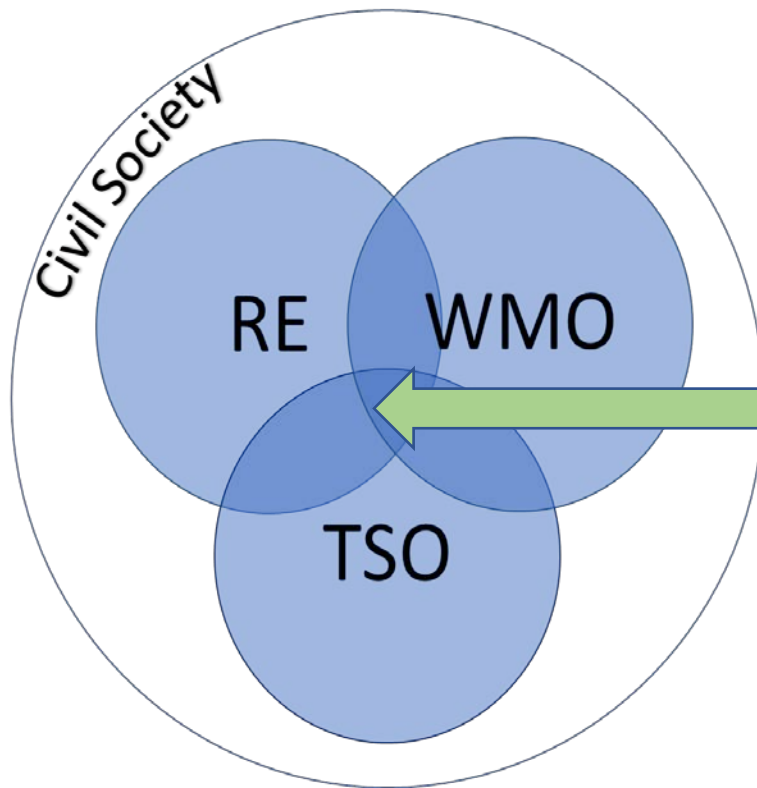
Editors: R Kowe, E Scourse, T Beattie
Date of issue of this report: 19/01/2017
Report number of pages: 22
Start date of project: 01/06/2015
Duration: 30 Months

Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Horizon 2020 Framework Programme		
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Identification of common areas of interest



RD&D Project (a)

RD&D Project (b)

RD&D Project (c)

RD&D Project (d)

iKMS Activity (a)

iKMS Activity (b)

iKMS Activity (c)

iKMS Activity (d)

A future Joint Programme addressing activities of joint interest

Identification of common areas of interest



Gilles



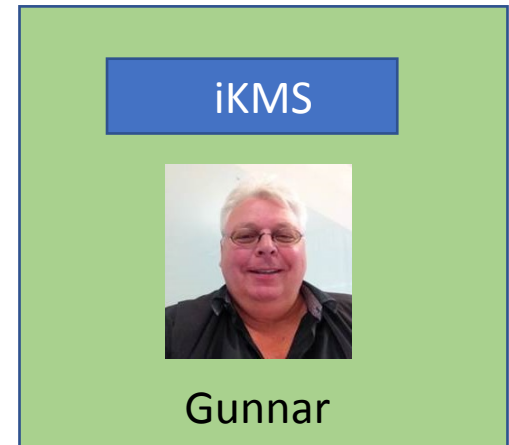
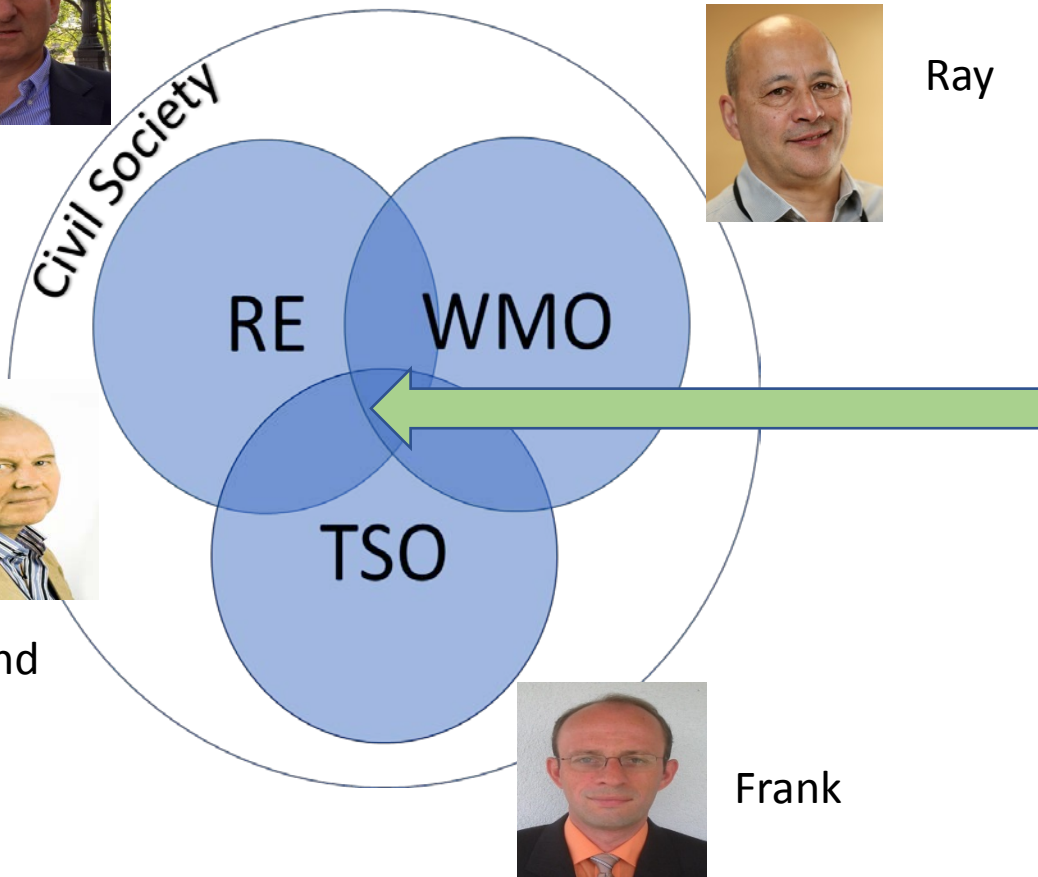
Ray



Bernd



Frank



Developing the Joint Programme

Used step-wise process to further define and prioritise the areas of common interest for a joint Strategic Research Agenda (SRA):

- Drafted vision and boundary conditions (April 2016).
- Drafted a first compilation of suggested activities. A key part of this step was to organise and merge suggested activities (identified from the WMO, TSO and RE specific SRAs) into a suitable structure (April 2016).
- Elicited JOPRAD participants' opinions by issuing a comprehensive questionnaire of suggested activities (sent out in September 2016 to WP4 participants).

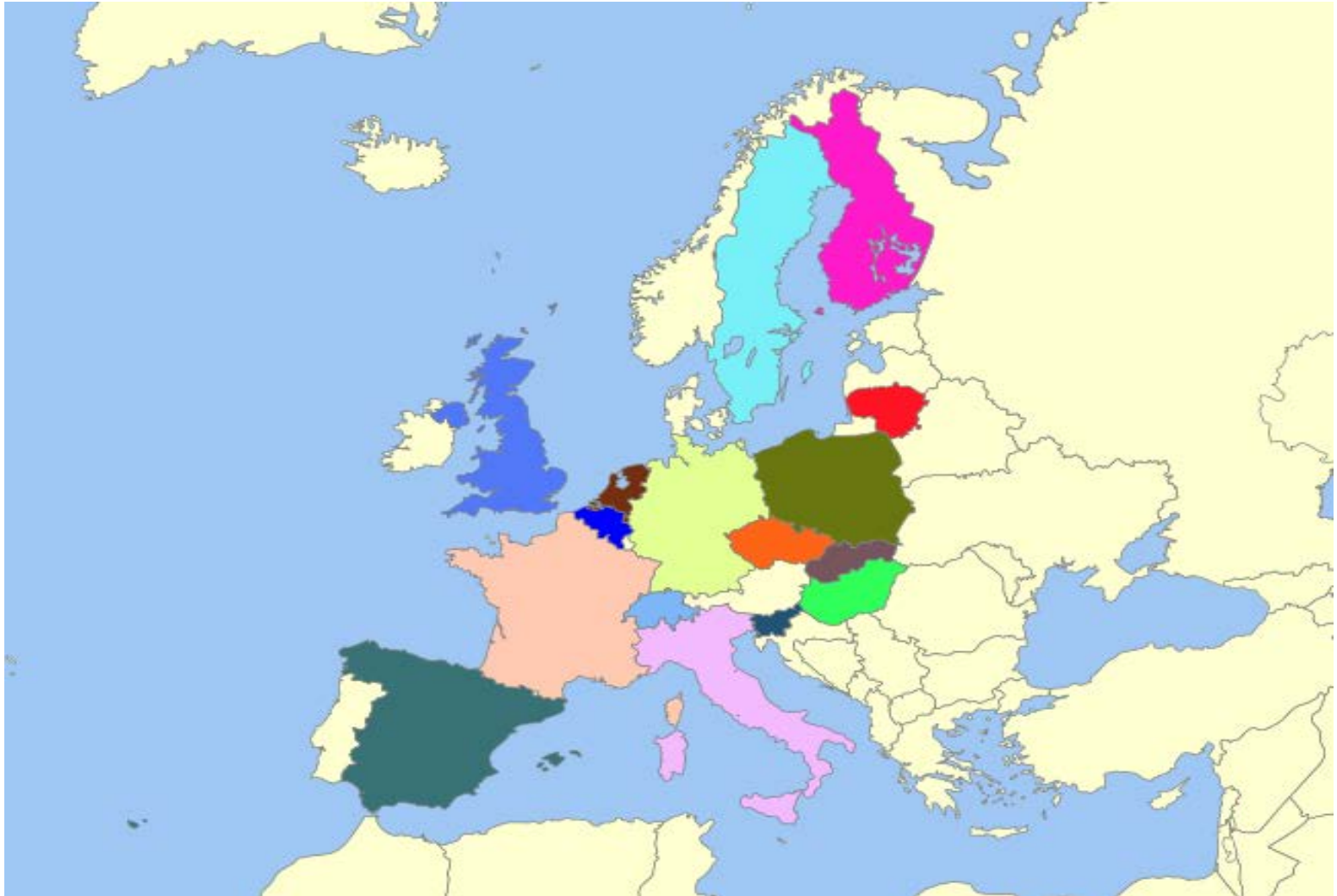
Questionnaire

Section 1: Drivers for inclusion within a European Joint Programme						Section 2: RD&D Priorities (Indicate	Section 2: RD&D Priorities (Indicate answers for your preference tasks that
Not Suitable for European Joint Programming	Operational RD&D (short/medium term experiment and/or modelling works)	Prospective RD&D (long-term experiment and/or modelling works)	State of knowledge (short- medium term horizontal activity)	Exchange on practices, develop common position / Benchmarking activities on methodologies (short-medium term horizontal activity)	Transfer knowledge, e.g. training, mentoring, and tutoring (short- medium term horizontal activity)	High interest for 2019-2024 Add (P1) for highest priority, then (P2) for second, down to (P...n) (to indicate the order of importance of your priorities)	High interest for 2019-2024 Add (P1) for highest priority then (P2) for second, down to (P...n) (to indicate the order of importance of your priorities)
Yes / No?	Yes / No?	Yes / No?	Yes / No?	Yes / No?	Yes / No?	P = Priority	P = Priority

Questionnaire responders

Country	Country	WMO-Organisation	TSO-Organisation	RE-Organisation
Belgium	BE	ONDRAF/NIRAS	BelV	SCK
Czech Republic	CZ	SURAO	CVREZ	CTU
Finland	FI	POSIVA		
France	FR	ANDRA	IRSN	CEA; CNRS; UPMC; BRGM
Germany	DB	BfS; BMWi	GRS	HGF
Hungary	HU	PURAM	TSE	
Italy	IT	SOGIN		Italia (~ 4Organisations)
Lithuania	LT		CPST	LEI
Netherlands	NL	COVRA	NRG	TNO
Poland	PO			PGI
Slovakia	SK		DECOM	
Slovenia	SO	ARAO		
Spain	ESP	ENRESA	CIEMAT	CIEMAT
Sweden	SE	SKB		
Switzerland	CH	NAGRA		PSI
United Kingdom	UK	RWM		
Total:	16	14	9	14

Questionnaire responders



Developing the Joint Programme (2)

- Analysed the questionnaire responses to identify the themes with high common interest and prioritised what should be included in the SRA (December 2016).
- **1st Draft SRA:** Drafting a first SRA with a clear description of prioritised RD&D activities agreeable to all JOPRAD participants (February 2017).
- **SRA Consultation and Finalisation:** Consultation of the draft SRA within the broader European radioactive waste management and disposal community. Obtaining feedback and end-user input to update the final SRA (April-November 2017).

Structure of Programme Document

1. Introduction
2. Actors and interest groups
3. Integrated Knowledge Management System (IKMS) of a future Joint Programme
4. Methodology for identifying the scientific and technical basis of the SRA
5. JOPRAD Strategic Research Agenda for European Joint Programming
 - ✓ SRA Strategic Themes and Domains
 - ✓ Overview of each Strategic Theme and a table description of each sub-Domain (screened in and screened out), an overview of the priorities of the sub-Domains (bar-chart)

Structure of Programme Document (2)

6. Socio-Political Cross-Cutting Themes
7. Implementation Strategy
8. References
9. Appendix 1 – Programme Document Working Group Representatives
10. Appendix 2 –List of all Organisations contacted with the JOPRAD Questionnaire
11. Appendix 3 – Overview of SRA Strategic Themes, Domains and sub-Domains

Thank You !



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4th April 2017