

# SHARE

H2020 NFRP-2018 CSA: Coordination and Support Action

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## D5.9: Final workshop on SHARE Results

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## Version history

<b>Version</b>	<b>Date</b>	<b>Editors</b>	<b>Description</b>
V1	31.03.2022	Romain Tricon-Duez [IEIC]	Creation
V2	31.03.2022	Robert Winkler [CEA]	Proofreading and amelioration

## Abstract

This deliverable presents the main elements of the final workshop of SHARE H2020 project, which took place February 28<sup>th</sup>, 2022. The deliverable includes the agenda of the workshop, the presentations given by the speakers (excluding the unpublished content and project draft data), as well as the summary of the elements discussed during the workshop.

The main objective of this workshop was to disseminate results of SHARE which reflect the work done in WP4. Thus, partners presented the Strategic Research Agenda (SRA - D4.1) that SRA identifies and prioritises activities needed to enhance the decommissioning field in various thematic areas.

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## 1. Introduction and objective

SHARE consortium has been working since June 2019 to gather the needs of the decommissioning stakeholders' community as well as the existing solutions to answer those needs. Those actions have been carried out by the sending of a dedicated questionnaire and the review of existing literature. However, the wish of the SHARE consortium is to produce the most inclusive roadmap and strategic Research Agenda possible. Therefore, from the beginning the SHARE consortium has been looking for community engagement.

The first public workshop on best practices initially planned in June 2020 as a side event of DigiDecom 2020 could not take place due to the COVID-19 situation. With the evolution of pandemic, following postponement of DigiDecom 2020, this workshop was rescheduled in October 2020.

As a consequence, joint Workshop WP2 & WP3 (MS6) scheduled initially Month 17 took place on-line beginning of month 19, 1-3 December 2020, allowing one month to benefit from the feedback of the October Workshop, particularly to find ways to federate a bigger audience, providing more input to the project (more investigations on real needs and more information on existing solutions and on-going international initiatives, better coordination with other on-going initiatives, etc.).

The third public workshop on “identified gaps”, initially planned in December 2021, was organised online as well, as a specific session of DigiDecom 2021 March 23-25<sup>th</sup>, 2021, giving the consortium less than 3 months to analyse outputs from December Workshop and to propose actions to fill the gaps. The objective of this workshop was to get feedback from the decommissioning stakeholders' community on these actions, to be able to provide, by the end of 2021, a strategic research agenda and a road map for potential future collaborative projects (RD&D, Knowledge sharing, Standardisation and education and training in technical and non-technical areas).

Initially planned in Rome, the final workshop detailed in this document has been rescheduled online on February 28<sup>th</sup>, 2022. Compared to previous workshop, this event focuses on giving information to audience more than collecting information decommissioning stakeholders. The main objective of this workshop was to disseminate results of SHARE which reflect the work done in WP4. Thus, partners presented the Strategic Research Agenda (SRA - D4.1) that SRA identifies and prioritises activities needed to enhance the decommissioning field in various thematic areas.

## 2. Organisation of the workshop

### 2.1. Preparation of the workshop

The organisation of the online workshop took benefit from the two previous online SHARE workshops. The “SHARE” session was divided into two parts:

- A first part to communicate globally on SHARE objectives and methodologies.
- A second part with presentation on the six thematic areas with additional presentations from SNETP, IFE and IAEA:
  - Site preparatory activities and dismantling.
  - Characterisation. With additional presentation of SNETP.
  - Environmental remediation and site release.
  - Project management and human resources. With additional presentation of IFE on digitisation in decommissioning.
  - Safety and radiological protection.
  - Radioactive waste management

This led to several preparatory meetings within the consortium in order:

- To agree on the methodology and on the choice of the interactive tool to be used (SLIDO/ PPT and TEAMS at the same time).
- To allocate tasks to people willing to participate actively in the thematic area sessions.

## 2.2. Agenda of the session “SHARE” at DigiDecom 2021

The agenda of the SHARE session was as follows:

<b>Share Seminar – 28.02.2022</b>	
<b>Time</b>	<b>Presentation</b>
8:30 – 8:35	Workshop introduction
8:35 – 8:45	Introduction and information from the project officer
8:45 – 9:20	SHARE objectives and methodologies
<b>9:20 – 9:30</b>	<b>Break</b>
9:30 – 9:45	<i>Presentation of SHARE results:</i> Site preparatory activities and dismantling
9:45 – 9:55	Follow-up discussion
<b>9:55 – 10:10</b>	<b>Break</b>
10:10 – 10:30	<b>SNETP</b> on characterisation (15 + 5)
10:30 – 10:45	<i>Presentation of SHARE results:</i> Characterisation
10:45 – 10:55	Follow-up discussion
<b>10:55 – 11:10</b>	<b>Break</b>
11:10 – 11:25	<i>Presentation of SHARE results:</i> Environmental remediation and site release
11:25 – 11:35	Follow-up discussion
<b>11:35 – 13:30</b>	<b>Lunch Break</b>
13:30 – 13:50	<b>IFE</b> on digitisation in decommissioning (15 + 5)
13:50 – 14:05	<i>Presentation of SHARE results:</i> Project management and human resources
14:05 – 14:15	Follow-up discussion
14:15 – 14:25	<i>Presentation of SHARE results:</i> Safety and radiological protection
14:25 – 14:35	Follow-up discussion
<b>14:35 – 14:45</b>	<b>Break</b>
14:45 – 15:05	<b>IAEA</b> on radioactive waste management (15 + 5)
15:05 – 15:20	<i>Presentation of SHARE results:</i> Radioactive waste management
15:20 – 15:30	Follow-up discussion
<b>15:30 – 15:45</b>	<b>Break</b>
15:45 – 16:00	Time for open discussion
16:00 – 16:10	Concluding remarks
<b>16:10</b>	<b>End of Seminar</b>

Presentations given by SHARE consortium are available on SHARE website: [Link](#).

### 3. Participants to the workshop

254 people registered to the SHARE final workshop and around 160 people attended with an average of 100 people.

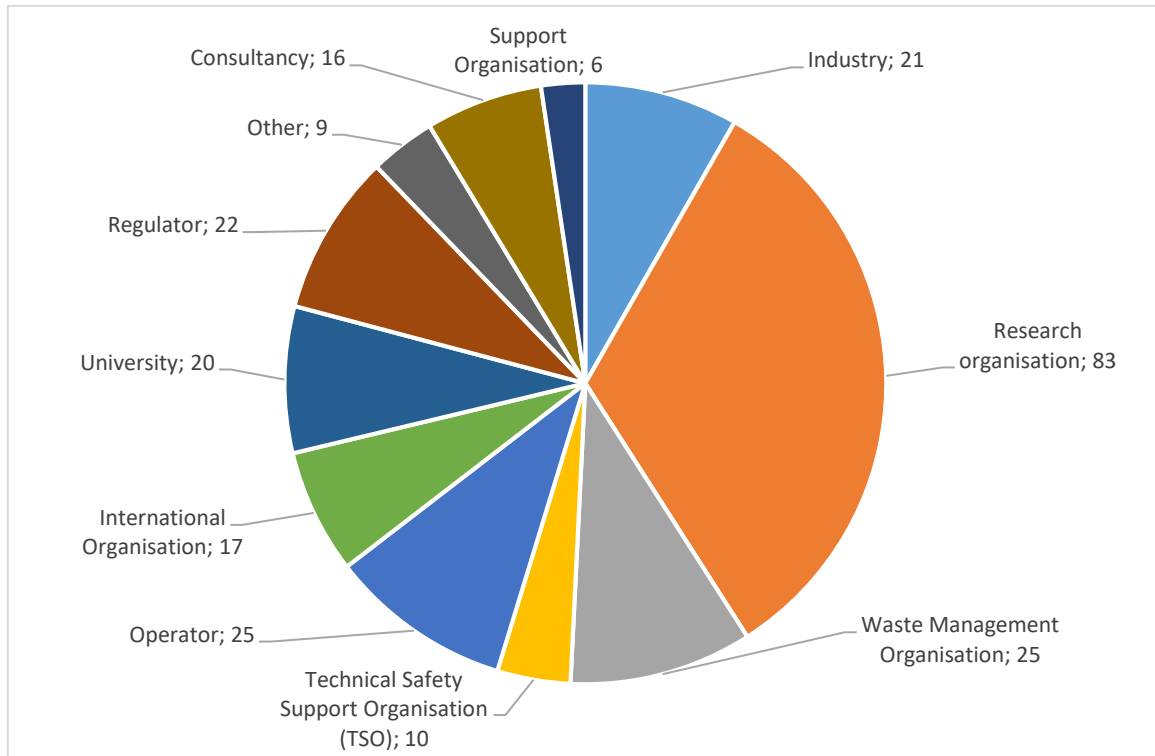


Figure 1: Repartition of stakeholders registered to SHARE final workshop



## 4. Outcomes of the Workshop

The main outcome of this workshop was to communicate to the decommissioning community that SHARE built during the project (500 to 600 people) as shown in the picture below:



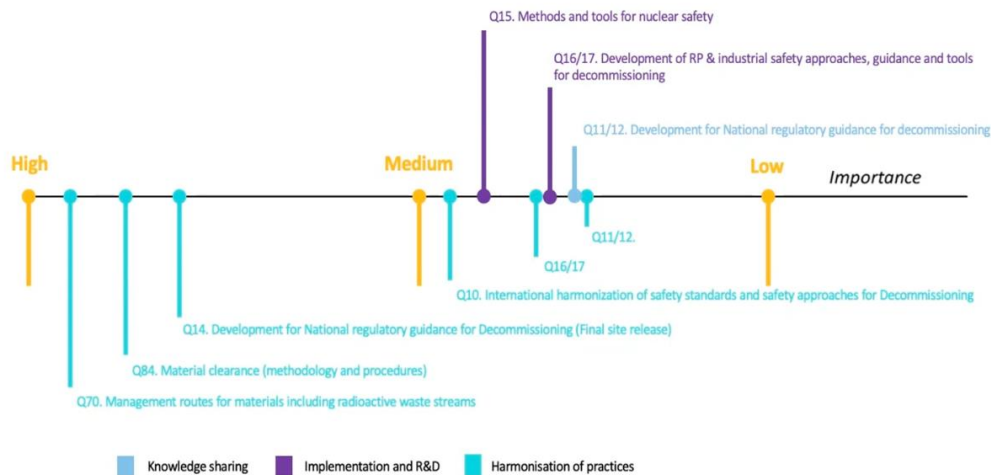
Figure 2: Decommissioning community between 500 and 600 people

For each of the six thematic areas, partners presented:

- Priorities of technical and non-technical subject, as well as the types of actions based on the survey results.

## Priorities & Types of Actions (Survey results)

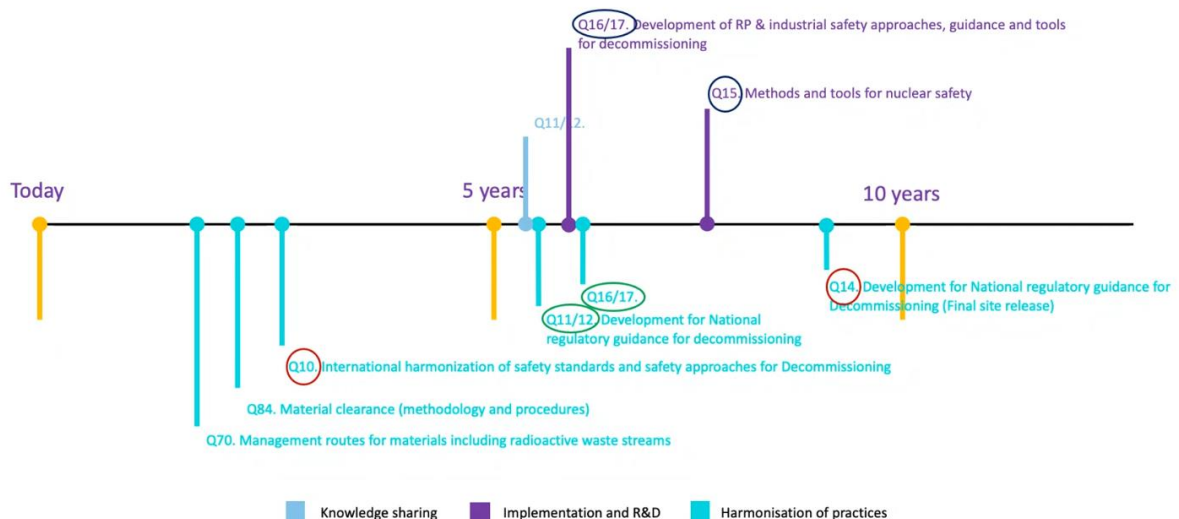
**Nuclear safety and radiological protection** of workers, the public & the environment are important aspects and should be considered from the very beginning of work planning and licensing procedures, up to site remediation and end state.



3

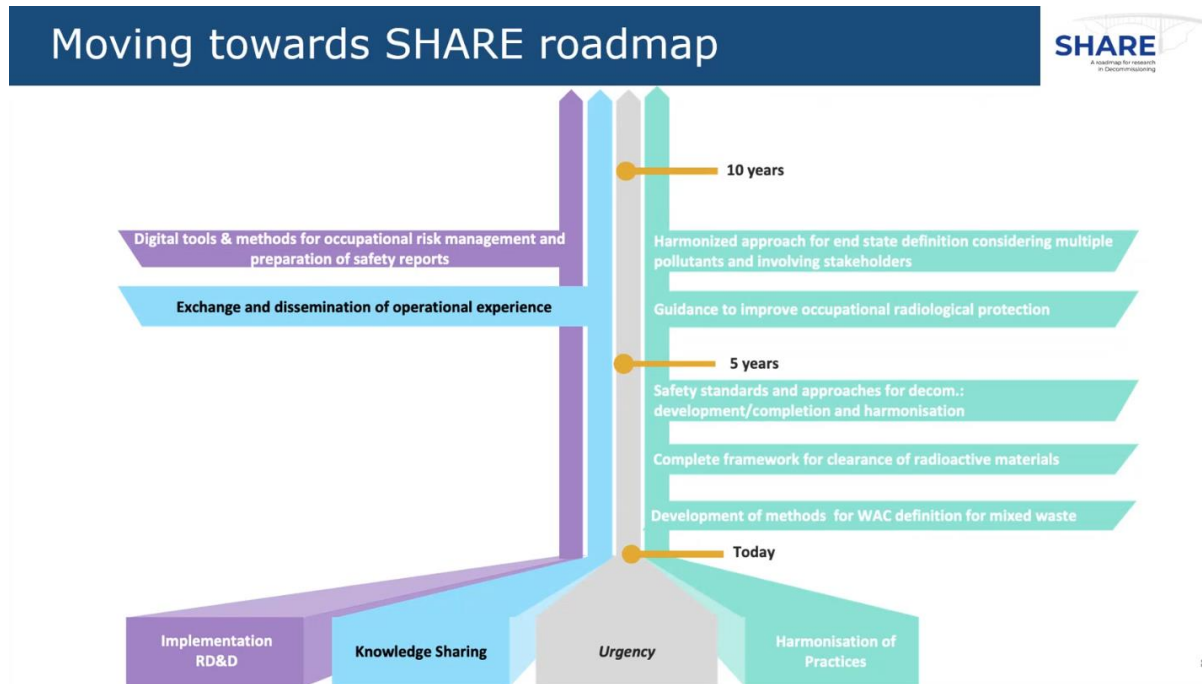
- The urgency of these subjects and the types of actions

## Urgency & Types of actions (Survey results)



4

- A proposition of roadmap for the next years.



All the results on investigations of needs, challenges, opportunities, etc. from December workshop were compiled by the consortium from December 2020 to March 2021 to highlight gaps between needs and current best practices or on-going developments and to provide a list of actions to fill these gaps in each sub-thematic area.

In each Q&A session after the TA presentations discussion took place which covered several aspects that were resumed in the conclusion as seen below.

### Aspects covered in the discussions

- Need for a clear vision of regulatory implications of new technologies (e.g. AI)
- Need to take a holistic view when developing new technologies and its organizational requirements (what is the actual need?)
- Need for good estimations of return on investment on developments
- International organizations are working towards interoperable knowledge sharing which is underpinned by common practices
- Need for long-term vision when evaluating RD&D needs (e.g. soil remediation)
- Need to find commercial models for decommissioning projects or adapt from other sectors (oil, renewables)
- What does regulatory harmonization mean? What is role of operator initiatives and demonstrators to create solutions?
- Need for a database of decommissioning-related projects