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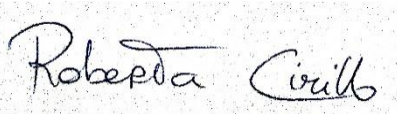
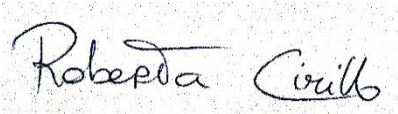

DELIVERABLE D6.8

Exploitation and Sustainability Plan

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EXECUTIVE SUMMARY

The Exploitation and Sustainability Plan aims at suggesting actions to prolong the usage of project outcomes beyond the project duration. In this report, the exploitable results are described and suggestions on how to widen the target group are provided.

A-CINCH is the latest chapter of the CINCH project series, hence, the feedback and the lessons learned are also summarized.

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1 INTRODUCTION

The main goal of this report is to present the major project results in a synthetic way and to suggest possible actions to exploit them after the project end date.

Since A-CINCH is the 4th and latest chapter of the ‘CINCH project series’, possible integrations with other networks are suggested in this report to maximize the possibility to widen the target groups and keep the nuclear and radiochemistry (NRC) group lively.

In the previous CINCH projects the **NRC Network and NRC EuroMaster label** have been established. The NRC Network gathers 28 members.

The NRC Network’s main objectives and functions are:

- to cooperate in NRC education and training in Europe
- to promote development of NRC education and training in Europe
- to represent the NRC education and training community towards other organizations and society
- to promote and organize student and teacher exchange between partners
- to organize common courses in NRC.

The NRC Network decided at a meeting at RadChem’2022 conference to join forces with the Division of the Nuclear and Radiochemistry (DNRC) of the European Chemical Society (EuChemS) and continue its work as a Working Group under DNRC.

The **NRC Network Working Group under DNRC exactly matches the requirements for operating the A-CINCH tools after the end of the project.** As a sustainability measure, the A-CINCH partners will get actively involved in the NRC Network steering bodies

2 PROJECT EXPLOITABLE RESULTS

As planned in the project, the CINCH exploitable results have been gathered under one-stop gateway called CINCH HUB. The CINCH HUB aims to create easy-to-use and easy-to-navigate environment for a different kind of end-users. It does not only gather all products, tools and materials developed under the A-CINCH project but also refers to the outcomes of the A-CINCH predecessor projects (CINCH, CINCH II and MEET-CINCH).

The design of the CINCH HUB reflects the list of developed tools, adopted platforms, and other created results. The idea is summarized in Figure 1, in which all the CINCH results are arranged reflecting their relations and dependences.

The particular exploitable results are:

- Moodle (<https://moodle.cinch-project.eu>)
- NucWik (<https://nucwik.cinch-project.eu>)
- Virtual Reality Hands-on Training (<https://vrlab.cinch-project.eu>)
- MOOCs (see at the CINCH HUB/MOOCs)
- RoboLabs (see at NucWik and CINCH HUB/Teaching aids)
- Interactive Screen Experiments RoboLabs (see CINCH HUB/Teaching aids)
- High School and Teachers' Packages (visit CINCH Moodle)

The CINCH HUB is a part of the communication and awareness pillar on which the project is built upon. It provides unified access addressing various users ranging from secondary school students, high school and university students, up to trainers, teachers, other stakeholders and public segments, and last but not least civil society.

The CINCH HUB can be reached at this link <https://hub.cinch-project.eu>.

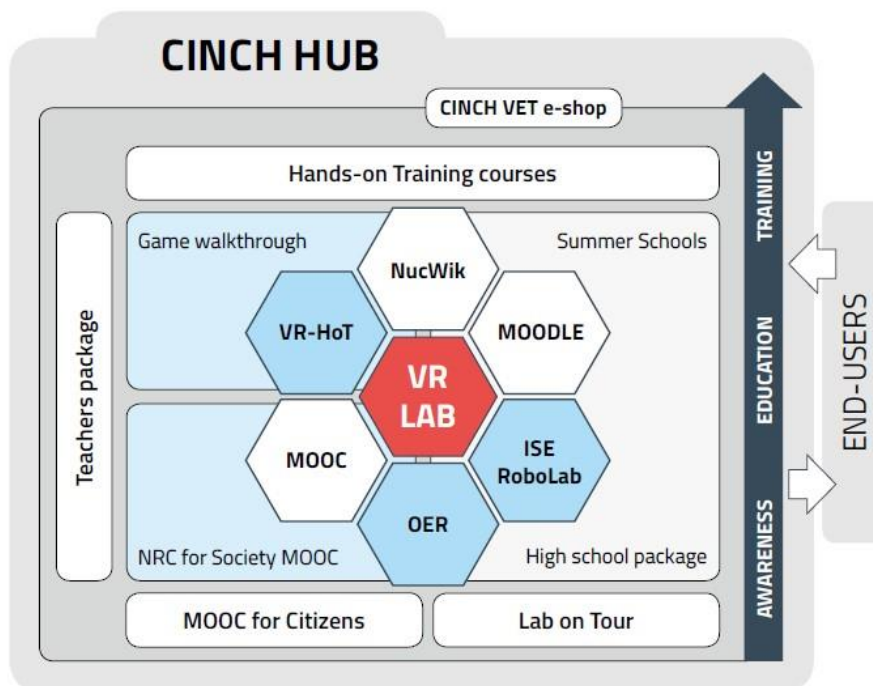


Figure 1: Suggested structure-content relations of the CINCH HUB in the project plan

3 CINCH EXPLOITATION AND SUSTAINABILITY PLAN

At the project meeting at OvGU, Magdeburg, the exploitation and sustainability of CINCH were discussed. It was concluded, that to make the CINCH alive after the end of the project and the CINCH tools used and updated the following conditions need to be met:

- There should be a particular person in charge of the CINCH agenda.
- The CINCH sustainability should be institutionalized.
- There should exist a small budget for administration and management both of the future events and any relevant agenda and of the CINCH tools and their updating, maintaining and promotion of their usage.

As an outcome it was decided to use existing network to implement and promote exploitation of the CINCH tools and materials. As majority of the partners are members of the NRC Network Working Group under DNRC, the Working Group was agreed to be the best platform where the CINCH agenda can be operated, administered, maintained and promoted further. In the same time, the Working Group can make use of the existing administration system to collect small member fee to enable running of the CINCH activities in the future.

The CINCH/NRC Education Network Working Group has been established in Budapest under the Division of Nuclear and RadioChemistry (DNRC) in May 2023. A fee was suggested to be connected with a membership to provide for resources to meet each year and administer the CINCH HUB ensuring its sustainability.

The working plan of the group has also been drafted and was presented at the last project meeting in August, 2023, at IST, Lisbon. It can be summarized as follows.

The coordinator of the A-CINCH project, Mojmír Němec, CTU, will head and organize the NRC Education and Training working group. A meeting will be held by the end of the year 2023 to initiate the activities of the working group. All of the A-CINCH partners will be invited to the meeting. The main aim of the event is to select particular A-CINCH tools and set its particular use in the year 2024. It means that at the meeting, a sustainability plan for year 2024 will be drafted including responsible persons for its realization and events at which the plan will be realized and the events may be adjoint to. As an example, the repetition of the summer schools or the organization of the now ready-to-use Hands-on trainings were given as an example of the CINCH tools' exploitation in practice.

Also, further promotion of the CINCH tools usage will be discussed at the meeting and dedicated workshop will be planned. Invited audience shall cover past and present members of the NRC network and others. The aim of the workshop is:

- To present CINCH projects results to persons not involved in it
- To explore and extend NRC network working group via DNRC, presenting CINCH as part of the sustainability plan.

The choice of DNRC is supported by the fact that DNRC is an official body able to intermediate financial operations (member fee collection and similar) to assure for CINCH budget covering administration, management and maintenance operations.

Making NRC Network Working Group members sending fee to the DNRC could help to keep the CINCH platform alive and support organisation of topical meetings. The CINCH/NRC Education Network Working Group can also:

- Extend DNRC outreach
- Advertise CINCH tools and products
- Generate a small revenue to be reinvested for NRC education meetings once a year

The meetings of the Working Group and the organized workshops can be connected to large conferences in the field if relevant.

The project's sustainability also concerns the project websites. As of today, there are 2 online references dedicated to A-CINCH.

The main project website: <https://www.cinch-project.eu/> which also provides information about the other CINCH projects of the series. This website will be kept as a part of the CINCH HUB <https://hub.cinch-project.eu>.

The dedicated webpage under the ENEN website <https://enen.eu/index.php/portfolio/a-cinch-project/>. ENEN will keep the webpage running virtually permanently.

4 EXPLOITATION MEASURES

In order to keep on exploiting the results, first of all, it is necessary to keep the online reference alive. The main point of reference for this purpose is the CINCH HUB website administered by CTU.

To get ready for the sustainability, the following steps have been taken:

- CTU was agreed to take care of the CINCH platforms and tools available after the project termination.
- All CINCH platforms have been migrated to a single place/provider for better management.
- All of the products were finalized and beautified before its actual advertisement to public. The options and tips also from the feedbacks were summarized and will be continually implemented within the new operation of CINCH under management of CTU.
- Optimization of the CINCH HUB for smart and smooth use. In this step, further feedback will be sought for and also implemented in the system.
- The CINCH e-shop was migrated to CTU and tools added for better crosslinking to systems of providers.
- The NucWik structure was created, populated with initial content and ready for access by regular contributors.

Having a defined provider responsible for each suggested CINCH action will enhance the chances to maximize the exploitation of the results. In addition, and according to DNRC activities, CINCH Working Group will meet at least once a year and will keep the CINCH community updated with the latest decisions taken.

Linking the CINCH with other nuclear networking activities, CINCH HUB is supposed to be linked in the ENEN2plus HUB in order to be made even more visible.

5 LESSONS LEARNED AND MITIGATION MEASURES

5.1 Identity

The word CINCH is not the most intuitive reference to "radiochemistry", but after four projects in this series and a strong communication campaign about CINCH initiatives, this is only a minor drawback. Regarding the above sustainability plan, increased communication within the DNRC community and beyond through the CINCH/NRC Education Network working group should keep CINCH ideas in the general awareness of the radiochemistry community and beyond.

5.2 Presence on social media

It is absolutely non-worth it to create nor maintain social media account dedicated to CINCH in its sustainability run. Reasons are multiple:

- The 'test' made with the LinkedIn group, only collected a few subscribers
- There is the need to re-build the community of followers from zero
- The more accounts are created, the highest risk of fragmentation of the information.

This situation can be easily remedied by relying on existing social media accounts and websites owned and managed by project partners and with an already established population of followers. The communication proved to be very effective this way and outreach is also higher from the beginning.

5.3 Sustainability

In relation to the two findings above, motivating teachers and their institutions to use CINCH platforms and materials willingly and with appropriate benefit is also important. Such a community situation requires continuous improvement, an active and responsible person/authority and, last but not least, mutual support and contributions from all related partners and participants. These findings suggest that:

- All the platforms should be manageable from one account and in case transferable to another institution. (Done.)
- Linking actions of the newly established community to related existing ones for mutual benefit is important. (Done – DNRC meets CINCH, improving and widening radiochemistry network.)
- Materials and platform should be accessible for the community in both using them as well as creating new. (Done – NucWik, Moodle, E-shop...)
- Regular networking activities, ideally resulting in closer and active collaboration e.g. joint/shared teaching. (Already planned for 2024)

6 CONCLUSIONS

This report summarized the main outcomes of the A-CINCH project (and by extension of the CINCH project series) and sustainability measures to exploit them after the project implantation period have been completed.

The CINCH HUB runs at the address hub.cinch-project.eu and embeds all teaching tools and materials developed under the A-CINCH project and the previous CINCH projects series.

The CINCH Working Group has been established and will be working according to the plan mentioned in section 3.