AUGMENTED CINCH

(Project Number: 945301)

DELIVERABLE D6.4

CINCH HUB

Lead Beneficiary: Evalion

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Start date of project: **01/10/2020**   Duration: **36 Months**
Project Coordinator: Assoc. Prof Mojmír Němec
Project Coordinator Organisation: CTU   VERSION: 1.3

Version control table

Version number	Date of issue	Author(s)	Brief description of changes made
1.0	31/03/2022	Mojmír Němec	Draft
1.1	01/04/2022	Jana Peroutková	MST check
1.2	04/04/2022	Roberta Cirillo	WP lead check and comments
1.3	05/04/2022	Mojmír Němec	Coordinator's approval

Project information

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EXECUTIVE SUMMARY

The deliverable describes the design of the CINCH HUB portal providing unified, one place access point to all CINCH tools, materials, platforms, and courses. Its purpose is to show and present CINCH results in condensed and accessible form and reflect their developments, too.

CONTENT
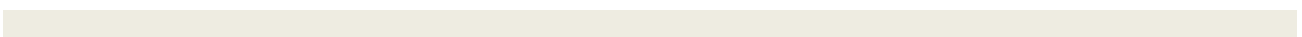
1   INTRODUCTION

The CINCH HUB was described in DoA Part B as a user-friendly and easy-to-navigate interface that will wrap up all the previous CINCH results. Design of the HUB should reflect list of developed tools, adopted platforms, and other created results. The original idea is summarized in Figure 1, where all the existing and planned results are arranged reflecting their relations and dependences.
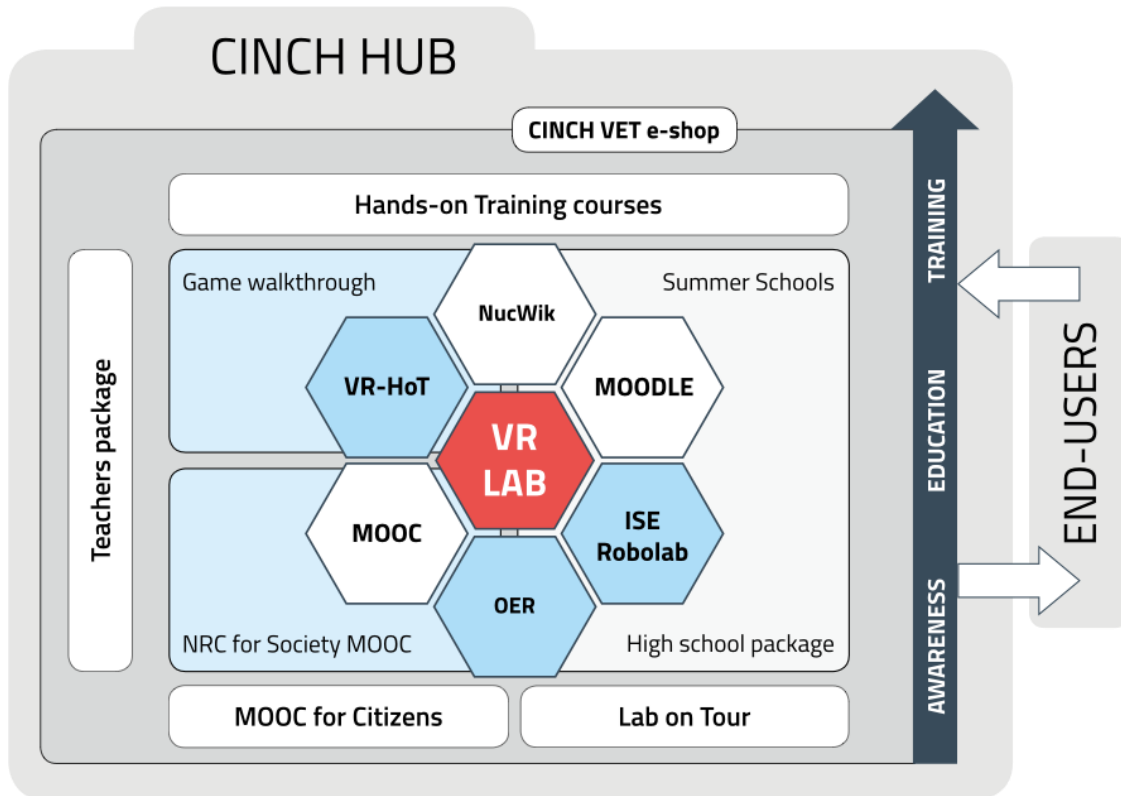

Figure 1: The original idea of the structure behind the CINCH HUB

As shown above, 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. Thus, simple navigation for particular target groups to appropriate training tools and materials developed within the CINCH projects is necessary.

2 CINCH HUB STRUCTURE

The design of the CINCH HUB and its operation is meant to be the core tool of the project knowledge management, where all project outputs will be gathered, sorted and linked to an appropriate place in the CINCH HUB architecture in order to assure internal coordination and management of outputs. Moreover, it is the major tool of the project dissemination and exploitation activities.

Such requirements and dependences depicted in Figure 1 would not allow to create an uncluttered single web page or portal, accessible and responsive for various devices and universal for browsers using a standard flat, simple web design.

The CINCH HUB has been drafted using several layers as web sub-pages with active elements providing desired filtering and sorting. The CINCH HUB structure has been developed into an alpha version providing fundamental functionality and ready for testing and pilot implementation. The structure will be updated and upgraded based on project needs, results and feedback; and kept as a living structure.

The CINCH HUB has got now the following template structure to be extended and tuned (preview shots are shown in Figures 2-7):

Home: The home page provides main information about CINCH HUB, its purpose and origin. The horizontal menu provides link to the A-CINCH web page, additional Menu items are free to use.

1. COURSES: Overview of the CINCH Courses. Horizontal menu provides filtering option for various target groups.

    a. HOTs: Description of the Hands-on Training courses issued by CINCH and their content. To be linked with CINCH Moodle and VET e-shop.

    b. SUMMER SCHOOLS: Description of the Summer Schools issued by CINCH and their content. To be linked with CINCH Moodle and VET e-shop.

    c. TEACHERS: Ready for Teach the Teachers package.

    d. E-learning Courses: Description of the E-learning Courses issued by CINCH and their content. To be linked with CINCH Moodle and VET e-shop.

    e. CINCH MOODLE (static, not filtered by horizontal menu): Direct link to the CINCH education management system, guest access under https://moodle.cinch-project.eu/course/index.php, account is needed for full access.

    f. VET E-SHOP (not filtered, either): Direct access to the CINCH VET e-shop and its functionality https://eshop.cinch-project.eu/products?page=1&date=upcoming .

2. CINCH VIDEOS: Videos issued by CINCH. Horizontal menu provides filtering functionality with the following topics:

    a. How to: Instructive videos about radiochemistry, preview pictures to be linked directly to the videos.

    b. People: Medallions, Career Case, Portrait videos about radiochemists, preview pictures to be linked directly to the videos.

    c. CINCH Talks: Topical webinars issued by CINCH, preview pictures to be linked directly to the videos.

    d. YouTube: CINCH and other interesting videos published on YouTube, preview pictures to be linked directly to the videos.

3. CINCH VR LAB: Virtual radiochemistry laboratory. Menu items available to use.

   a. PLAY: Direct link to the VR Lab game

   b. HOW TO PLAY: Simple instructions for VR Lab with the list of virtual scenarios, crosslinked with NucWik, and hints from game walkthrough. Information about the game and its requirements.

   c. GALLERY: Screenshots from the VR Lab.

4. MOOCs: Massive Open Online Courses issued by CINCH, horizontal menu provides filtering option on various MOOC editions.

   a. CINCH VIDEOS: Not filtered link to the CINCH VIDEOS page.

   b. Direct links to CINCH videos on external pages (e.g., VIMEO, YouTube), can be changed to any other required link.

5. CINCH TEACHING AIDS: Page summarizing available materials suitable for teaching. Links and descriptions of RoboLabs, Interactive Screen Experiments, High School Packages, and other Open Education Resources.

6. VET E-SHOP: Direct access to the CINCH VET e-shop and its functionality https://eshop.cinch-project.eu/products?page=1&date=upcoming

7. NUCWIK: https://nucwik.com/

8. EUROMASTER: link to page with minimum requirements for NRC curricula.

9. Links to CINCH Social media representations: ready for Facebook, YouTube, Instagram, Twitter

10. A link to the NRC Network web page: https://nrc-network.org/

11. Free link to the required site.

3   WEBPAGE GRAPHICS

The drafted structure and functionality are based on Isotope by David DeSandro/Metafizzy (desandro.com) and can be further improved/changed (CTU, Department of Nuclear Chemistry licence). The engine provides responsive behaviour. The colours of the CINCH HUB and logo are in accordance with the project graphics and will be polished during its updates. The illustration of the CINCH HUB template (alpha version) is shown in the following figures.
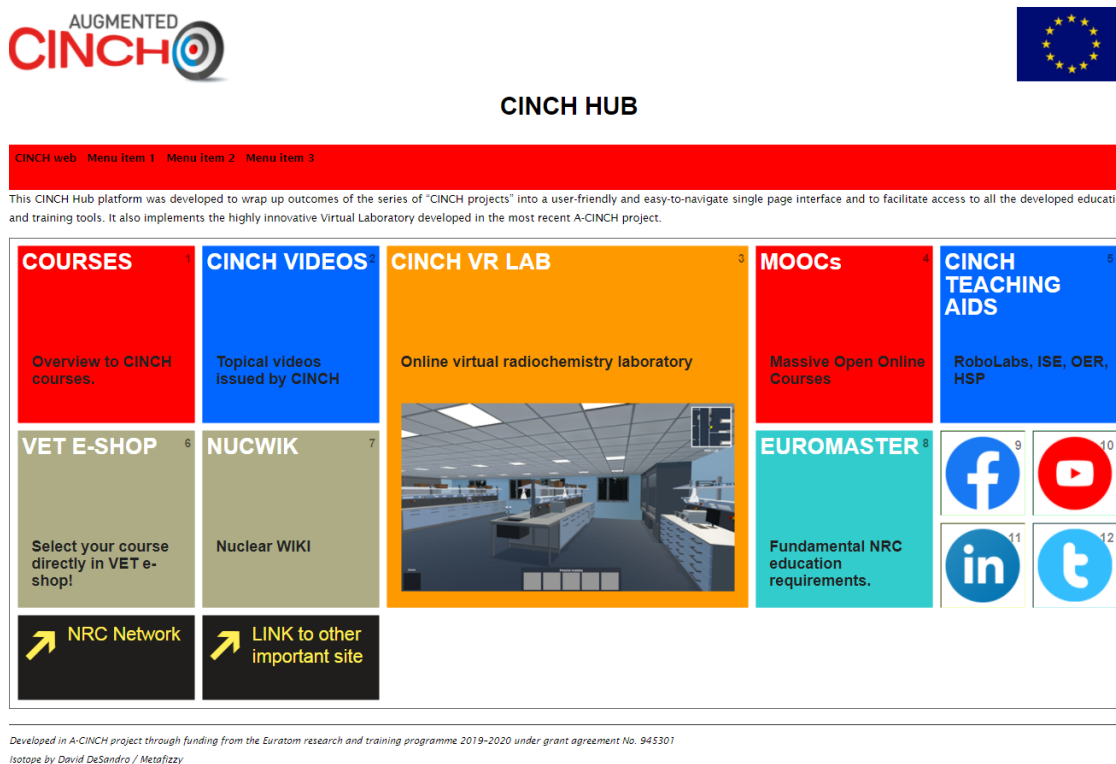
Figure 2: The CINCH HUB Home page
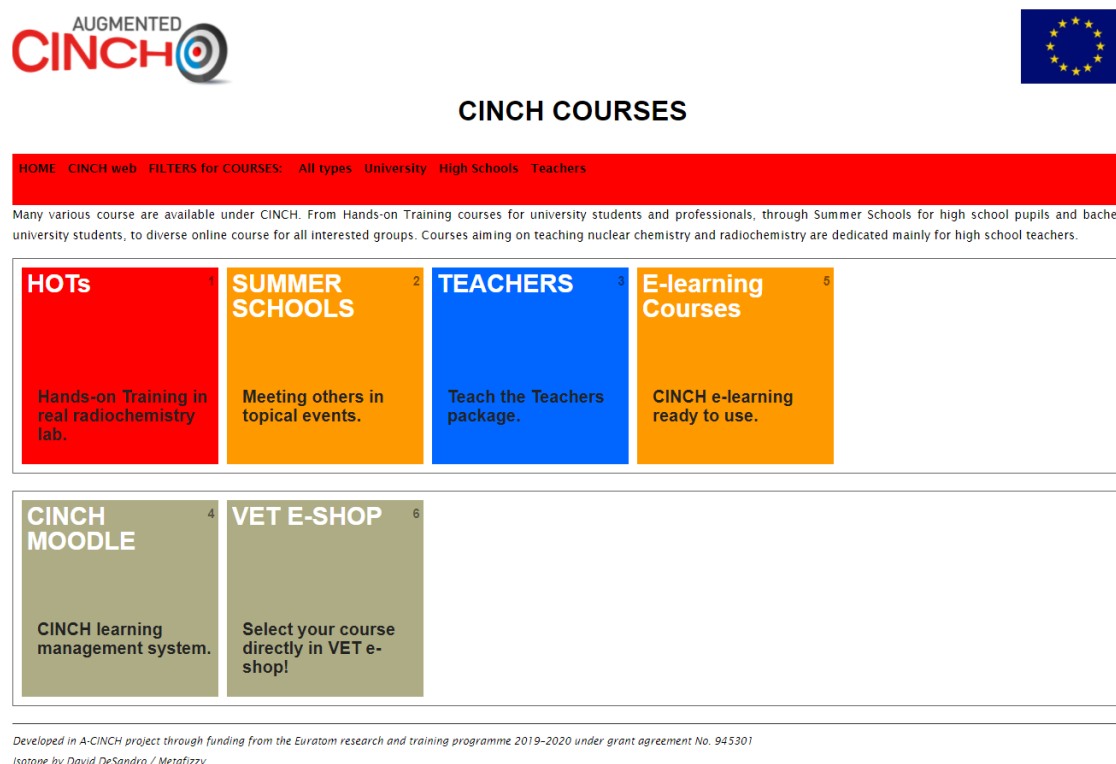
Figure 3: The CINCH COURSES page in the CINCH HUB

Figure 4: The CINCH VIDEOS page in the CINCH HUB

Figure 5: The CINCH VIRTUAL LAB page in the CINCH HUB

CINCH TEACHING AIDS

HOME   CINCH web   FILTERS: All   ISE   Robolabs   OER   HSP

The CINCH teaching tools and advanced educational teaching aids: remote controlled robotic laboratories (ROBOLABs), interactive screen experiments (ISE), open educational resources (OER), high school package (HSP)

| ROBOLAB 1 [1] | ROBOLAB 2 [2] | OER 1 [3] | ISE 1 [4] | ISE 2 [4] |
| HSP 1 [5] | OER 2 [6] | HSP 2 [7] | | |

Developed in A-CINCH project through funding from the Euratom research and training programme 2019–2020 under grant agreement No. 945301
Isotope by David DeSandro / Metafizzy

Figure 6: The CINCH TEACHING AIDS page in the CINCH HUB

MASSIVE OPEN ONLINE COURSES

HOME   All MOOCs   MOOCs for Society edition   MOOCs for Citizens edition

Massive Open Online Courses produced within CINCH consortium.

| MOOC 1 [1] | MOOC 2 [2] | MOOC 3 [2] |
| Nuclear- and RadioChemistry for Society | Nuclear- and RadioChemistry for Society | Nuclear Chemistry for Citizens |

| CINCH VIDEOS | ↗ CINCH videos on VIMEO | ↗ CINCH YouTube |
| Topical videos issued by CINCH | | |

Developed in A-CINCH project through funding from the Euratom research and training programme 2019–2020 under grant agreement No. 945301
Isotope by David DeSandro / Metafizzy

Figure 7: The CINCH MOOCs page in the CINCH HUB

4   ADMINISTRATION AND USE OF THE CINCH HUB

The CINCH HUB is now run by the CTU and the Management and Support Team (MST). Any content to be published on the webpage by any beneficiary shall be sent to the MST. The CINCH HUB is meant to serve as a gate simplifying navigation for particular target groups to the CINCH NRC trainings and teaching materials. This part will also be maintained during and after the end of the project and will ensure sustainability of the project.

All partners of the consortium are requested to provide necessary feedback and materials improving the CINCH HUB structure and content. The CINCH HUB consists of living sections that should be regularly updated based on particular achievements, organized events, materials or courses, to strengthen awareness and dissemination purposes.

5   CONCLUSIONS

The CINCH HUB was designed to wrap and arrange all the CINCH results in one structured access point. Now it exists as an alpha version draft, partially filled in, ready to be tested and collect feedback from the A-CINCH project partners and End-user and Advisory Board members to develop it further and feed it with full content. Once this feedback is obtained and related updates are done, the CINCH HUB will temporarily run as a part of the A-CINCH web page. Later, before the end of the project, the A-CINCH website will be re-arranged and the CINCH HUB will be set as the main web page.