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DELIVERABLE D4.3

Training Course for CINCH-II tools users

Lead Beneficiary: **UiO**

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Version control table

Version number	Date of issue	Author(s)	Brief description of changes made
1.0	28/08/2014	Jon Petter Omtvedt Hans V. Lerum	First version
1.1	05/12/2014	J. John	Coordinators comments addressed

Relevance

This deliverable contributes to the following Work-Packages and Tasks:

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WP 1
<input type="checkbox"/> Task 1.1 <input type="checkbox"/> Task 1.2 <input type="checkbox"/> Task 1.3 <input type="checkbox"/> Task 1.4
WP 2
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WP 3
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WP 4
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WP 5
<input type="checkbox"/> Task 5.1 <input type="checkbox"/> Task 5.2 <input type="checkbox"/> Task 5.3 <input type="checkbox"/> Task 5.4

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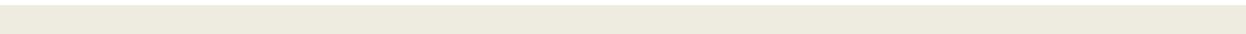
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EXECUTIVE SUMMARY

A course package for teachers on how to use the NucWik database on teaching material was developed and is ready to be employed. The course is a "hands-on" seminar aiming at 1) Make teachers aware of the NucWik feature and it's possibilities, 2) Instruct them on some typical ways to use material from NucWik in Nuclear- and Radiochemistry (NRC) teaching , and 3) give them basic knowledge and practice on how to upload material and actively contribute to the NucWik database. In addition, part of the course is dedicated to advertise upcoming CINCH e-learning tools (Moodle platform and it's modular e-courses, RoboLab, etc.). As these become on-line and available, the course will be expanded to also include such material.

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1 COURSE OVERVIEW

The NucWik wiki¹ database (<http://nucwik.wikispaces.com/>) was established according to the plan for task 3.1 of Work Package 3 of the CINCH-II project. NucWik is an open platform for sharing teaching material and promote active collaboration across institute/university borders. The motivation and structure of NucWik is described in Deliverable 3.1 and on NucWik itself. This will not be repeated here. The course described in this Deliverable is a 3-4 hour "hands-on" seminar aiming at

1. making teachers aware of the NucWik feature and it's possibilities,
2. instruct them on some typical ways to use material from NucWik in Nuclear- and Radiochemistry (NRC) teaching , and
3. to give them basic knowledge and practice on how to upload material and actively contribute to the NucWik database.

In addition, part of the course is dedicated to advertise upcoming CINCH e-learning tools (Moodle platform and it's modular e-courses, RoboLab, etc.). As these become on-line and available, the course will be expanded to also include such material. However, the due date for these e-learning aids is later in the CINCH project than Deliverable 4.3 and could therefore not be included at this time.

As with all courses, there will always be last minute modifications and adoption to a specific audience. However, with the material that is provided with this Deliverable it should be comparatively easy and quick to set up a course on "CINCH e-learning material".

The NucWik course described in this Deliverable is made available on the NucWik site itself. The usefulness of the NucWik concept is illustrated even by this, as this document quickly will become obsolete, but the corresponding pages on NucWik will always contain the most up-to-date course description, material and even comments and experiences obtained when actually running the course. The NucWik course description can be found here:

<https://nucwik.wikispaces.com/NucWik+Training+Course+for+Teachers>

The NucWik wiki database is available from <http://nucwik.wikispaces.com/>, as Deliverable 3.1 from the CINCH-II project. The service provider, Wikispaces.com, is run as a commercial service provided by Tangien LLC².

¹ Wiki, as defined by Wikipedia.org: "A **wiki** is a web application which allows people to add, modify, or delete content in collaboration with others. In a typical wiki, text is written using a simplified markup language or a rich-text editor. While a wiki is a type of content management system, it differs from a blog or most other such systems in that the content is created without any defined owner or leader, and wikis have little implicit structure, allowing structure to emerge according to the needs of the users. ". See <http://en.wikipedia.org/wiki/Wiki> for more.

² Tangient LLC, 165 10th Street, Suite 50, San Francisco, CA 94103, 415.863.8919

2 COURSE DETAILS

The course will run for 3-4 hours and include the following:

- Session A: Introduction:
 - Lesson 1: Welcome and introduction to CINCH (15 min)
 - Lesson 2: The NucWik concept (15 min):
 - What is a Wiki (video + explanation/comparison to Wikipedia).
 - The idea behind NucWik – sharing NRC teaching material.
 - Hands-on – A first look at NucWik (15 min):
 - Is logging on needed?
 - How do I navigate/find topics/material?
- Session B: Using material from NucWik in your own teaching:
 - Lesson 1: How NucWik is organized and the quality control concept (20 min):
 - NucWik structure and the use of tags to classify pages.
 - Quality control concept "CINCH approved".
 - Hands-on – Find exercises suitable for a 2 hour colloquium on a topic that interests you. Put together a "solved problems" hand-out to go with the exercise (20 min).
 - Hands-on – Find laboratory instructions for a student exercise on mother-daughter relationship and radionuclide generators (20 min).
 - Providing feedback and pointing out faults and errors in provided material
 - Short introduction followed by (10 min)
 - Hands-on exercise to learn how to provide feedback (using the page comment feature of wikispaces) (20 min).
- Session C: Contributing material to NucWik
 - Lesson 1: Getting a user name and logging on (10 min)
 - Hands-on: Get a user name (10 min).
 - Hands-on: Perform the "Wikispaces Training Camp" exercise (to be found at <https://help.wikispaces.com/training+camp>) to learn how to do basic editing, including uploading pictures and files (15 min).
 - Lesson 2: How to organize your material and how to integrate it into existing material (15 min).
 - Lesson 3: How to work together with other NucWik contributors (10 min).
- Session D: (Optional): Uploading your own material
 - Hands-on: In this session teachers, which prior to the course have been encouraged to bring their own teaching material, will be guided through the process of uploading and making their material available on NucWik (1-2 hours).

A course consisting of Session A-C will last for 45 + 90 + 60 minutes; breaks can be added between the three sessions as fitting. For a more advanced course session D can be added (probably after a lunch break) and will typically bring the course to a full day event. Alternatively, Session A-C can be run for everybody in a group and Session D offered for those "specially interested".

In the future, Sessions on RoboLab – exercises run remotely in a physical laboratory and CINCH stand-alone e-learning components available on the CINCH Moodle platform can be added. This can be combined with Sessions A-C or for example be included in between Session A-C and Session D.

MicroSoft Office Power-Point files and other course material has been prepared for this course, they are available from the NucWik site directly. For updated information and material please go to

<https://nucwik.wikispaces.com/NucWik+Training+Course+for+Teachers>

If practical, the course participants should be instructed to prepare for the course in advance by visiting the NucWik site. It would also be useful if they can bring some of their own teaching material that can be shared through the NucWik site. However, this is only possible when participants are known before the course starts. In some cases, e.g. for a "drop in" type of course at a conference, the participants will have little opportunity to prepare. As already mentioned in the introduction, each course will have to be adapted to a certain extent.

3 CONCLUSIONS

A complete training course for NucWik was developed, aimed at NRC teachers. It is expected to be run as part of the Workshop on Nuclear Chemistry Education and Training in Europe (Deliverable 4.5), planned for June 2015. If interest and opportunity arises, it will be provided even before this – it is offered to anybody who would like to jump-start their use of NucWik. The course is planned to be offered to CINCH partners for "test runs" as soon as it is convenient.