Training Catalogue and e-learning: Post project plans

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Work Package 8 (e-learning)

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Work Package 8 (e-learning)

- The development and delivery of an e-learning platform that can be used across the neutron and photon facilities
- Staff training in data stewardship and the e-learning platform
- User training in PaNOSC services and facilities

Platform

Staff Training

User Training

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What we have achieved

Platform

- e-neutrons.org has become **e-learning.pan-training.eu**
- The new platform is significantly more **maintainable**
- Added functionality; such as **Jupyter notebook** integration
- Good engagement from the **community**

What we have achieved

Platform

- e-neutrons.c
- The new pla
- Added funct
- Good engag

What we have achieved

Platform

- e-neutron
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Usage of the e-learning platform
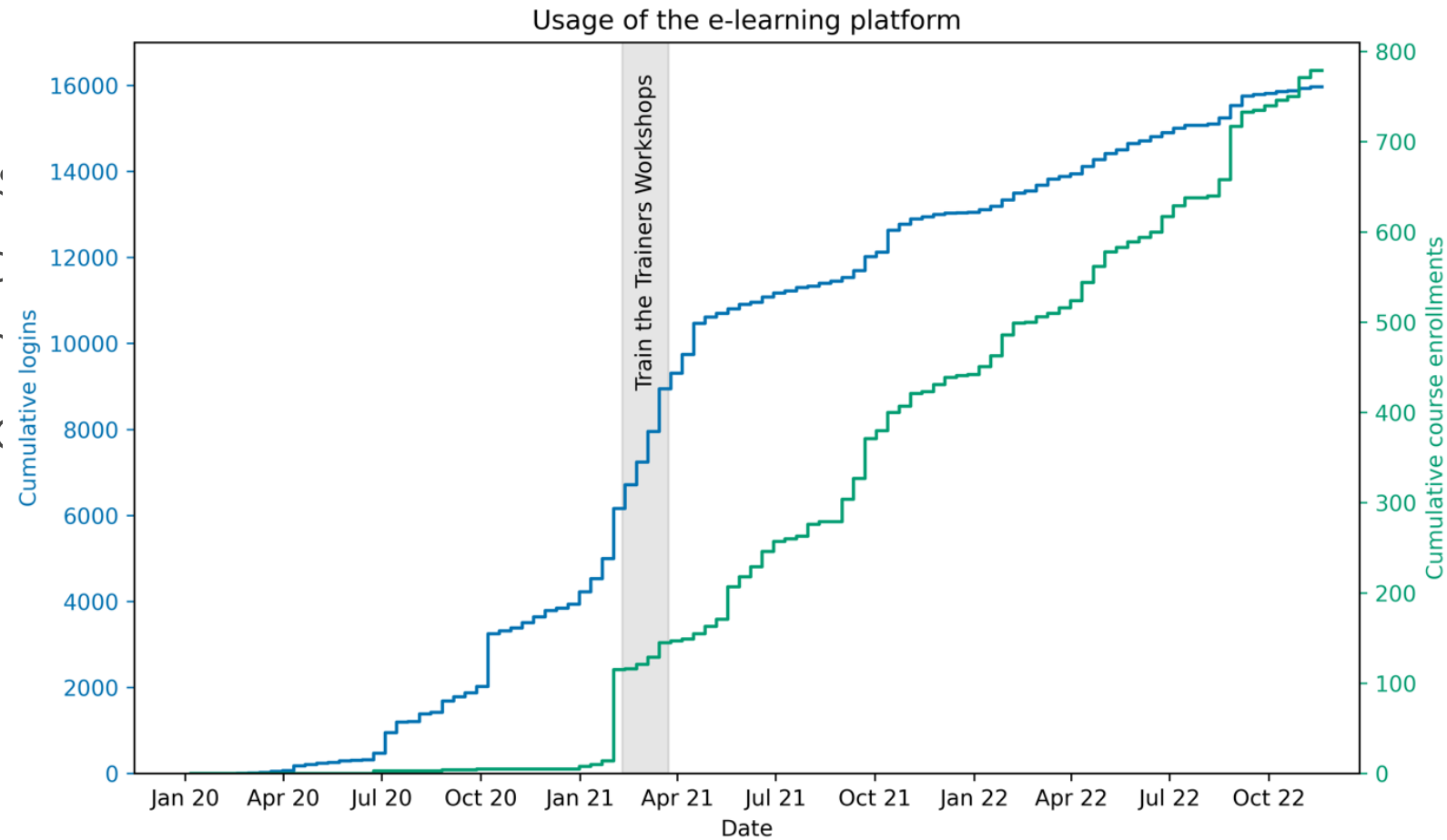
What we have achieved

Staff Training

- **Train the trainers** workshops in February/March 2021, led by University of Copenhagen Department of Science Education
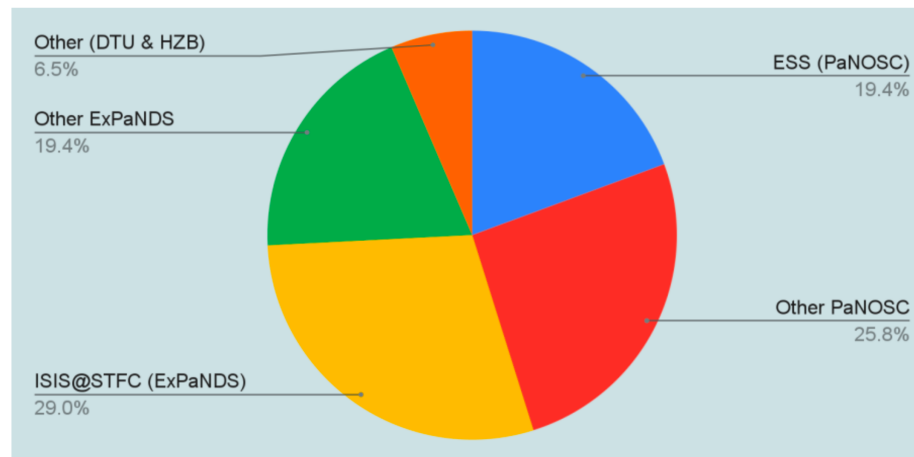- Courses on the platform introducing pedogogical topics

Figure 1. Distribution of participants' affiliations among the 31 participants at the Train-the-Trainers workshop.

What we have achieved

Staff Training

- Train the tr...
  University o...
- Courses on ...

Creating a Video Mini-Lecture

e-Learning | Courses | For Teachers | Creating a Video Mini-Lecture

Recommendations and Tips

We recommend Open Broadcasting Software (OBS) as a great way to record yourself giving a presentation or lecture.
It has more flexibility and results in a higher quality video than simply recording your screen on zoom/skype.
It is easy to install and much easier to use than any video editing software.

Use the following four resources to help you:

1. **Introduction to OBS** and how it can be used.
2. Tips for good **video layout** (this is useful regardless of whether you chose to use OBS).
3. Links to **OBS download instructions** for Mac, Windows & Linux.
4. How you could **include live annotations** or a blackboard style presentation with OBS

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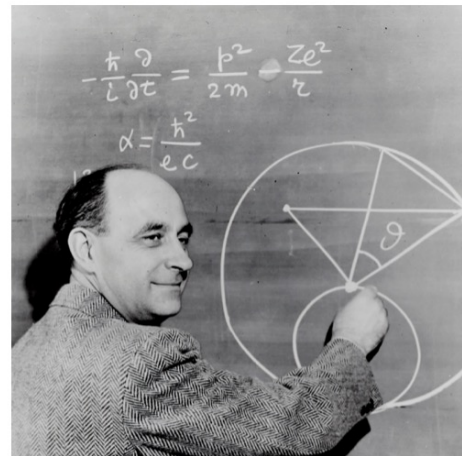
What we have achieved

User Training

- Over 50 e-learning courses:
  - ○ Neutron scattering (University of Copenhagen)
  - ○ Smalll angle neutron scattering (Swedness PhD Training)
  - ○ **Photosynthesis and Energy (University of Amsterdam)**
  - ○ ISIS Virtual Reflectometry Training Source (ISIS/ESS)
  - ○ Neutrons, X-rays and Positrons for studying microscopic structures and dynamics (TU Delft)
- Materials Science at European Large-Scale Infrastructures using Open and FAIR data (**PaNOSC Summer School**)

What we have achieved

User Training

- Over 50 e-lear
  - Neutron sc
  - Smalll angl
  - **Photosynth**
  - ISIS Virtual
  - Neutrons, X   tructures and dynam
- Materials Scie   ing Open and FAIR data (PaNOSC Summer School)

What we have achieved

User Training

- Summer school feedback:
  - *The e-learning platform is very useful and the lectures/slides on it are very detailed, especially the hands-on parts are easy to follow up as they provide each step and its logic. It is worthwhile to preserve it since we can go on using and learning it after summer school.*
  - *This was my first international summer school that I have attended, I got a lot of information. The most important thing for me and what I like the most is the hands-on training, during which I learned a lot.*
  - *Very well-organized Summer School with clear talks*

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Collaboration

- Throughout the project we have benefited heavily from the complementary WP5 in ExPaNDS:
  - The e-learning platform is included in the training catalogue "Register new content" workflow
  - The training catalogue automatically includes e-learning content in results
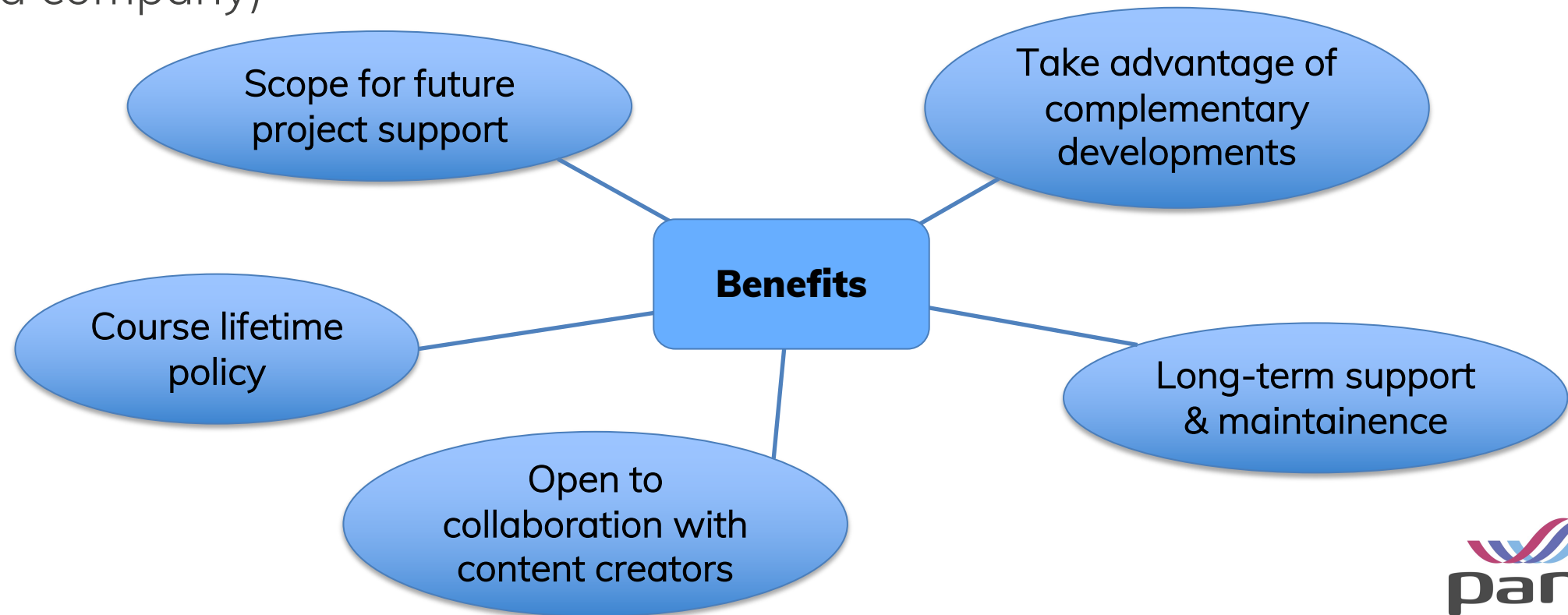 - The e-learning platform and the training catalogue have a shared homepage

pan-training.eu

What will happen next

Sustaining the e-learning platform

- The e-learning platform will come under ownership of the ESS DMSC's Scientific Web Applications team (i.e. Fredrik Bolmsten, Max Novelli, and company)

Scope for future project support

Take advantage of complementary developments

Benefits

Course lifetime policy

Long-term support & maintainence

Open to collaboration with content creators

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PaNOSC Closing Event
Paving the way towards the PaN FAIR Data Commons

29-30 November 2022
Grenoble - France

Thank you

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