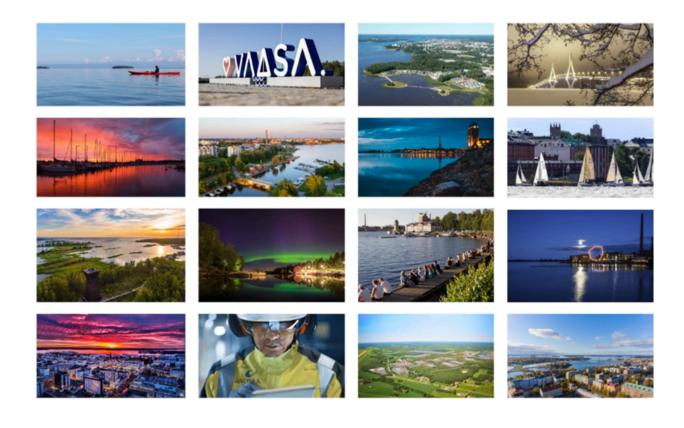
Last update: 23/04/2025



Course PROGRAMME Battery Raw Materials and Recycling

1. April - 7.5. 2025 On-line



Basic Information about the Course

Welcome to the course on Battery raw materials and recycling of batteries for teachers and trainers.

This course is structured in two parts:

- Online course (with sessions with a Tutor and with self studying)
- Face2Face training in Vaasa, Finland (13. 15. May 2025)

Both parts are mandatory in order for the teacher/trainer to be able to be issued a digital badge confirming the attendance of the course. To access the Face2Face training in Vaasa, Finland you need to successfully conclude the online course.

The training material is available in the Learning Platform (https://learn.skills-framework.eu/). You need to register on the platform before you can start.

To access the material you will be invited by the organization, after the confirmation of your registration.

Learning Outcomes:

After the completion of the online course the participant:

- The participant can explain the battery market and the value chain.
- The participant can describe how batteries work and know basic battery vocabulary.
- The participant can explain the key stages of battery material production, including raw material sourcing, refining, and battery material manufacturing at a basic level.
- The participant can explain the importance of recycling and the significance of the Battery Directive for the battery value chain and is aware of the producer responsibilities introduced by the Battery Directive.
- The participant can explain the use of the battery passport.

Physical training in Vaasa, Finland:

- The participant can describe the technology associated with material production and recycling in different industry settings.
- The participant recognizes future developments of battery materials and recycling.
- The participant is aware of working environments, equipment and materials related to safety issues in the raw-material and recycling sector.
- The participant has gained awareness of educational challenges in the material production and recycling sector through networking with peers.
- The participant can apply English language and multicultural skills in an international setting.

Contacts:

- João Alves +351 966 905 463
- Marek Spanyik +420 606 546270 (technical support)

Online course PROGRAMME

Total expected working hours: 16 hours

Activity 1 Tuesday, 1 April (at 13 CET)

Synchronous webinar (total 3h)

The webinar will be held in TEAMS, LINK

- Welcome
- Introduction to the course
- Battery Value Chain and Battery Market
- How a battery works

Activity 2 to be ready by Friday, 28 March

Own-Study / Asynchronous tasks (total 4h)

To access the training material, please connect to the Learning Platform

- Basic battery vocabulary
- Introduction to circular economy (on-line course)
- Feedback

Activity 3 Tuesday 29 April (12 CET)

Synchronous webinar (total 4h)

The webinar will be held in TEAMS, please connect LINK

13 -13.30 Lunch Break

13.30-14.30 Mineral processing, Teemu Mäkinen and Nea Pitkäkangas, KPEDU-The Federation of Education in Central Ostrobothnia

14.30- 14.45 Coffee Break

14.45-15.30 Basics of Recycling of Batteries, Sanna Kangasvieri, Vamia

15.30-16.00 Instructions for Activity 4
Information on the event in Vaasa

Activity 4

to be ready by Wednesday, 7 May

Own-Study / Asynchronous tasks (total 5h)

To access the training material, please connect to the Learning Platform

- Safety registration to the KIP area online
- Tasks on Battery directive and Battery passport for activity 4
- Feedback

Access the Learning Platform

https://learn.skills-framework.eu/



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