Third General Assembly Meeting

Jimmy Binderup Andersen, ESS
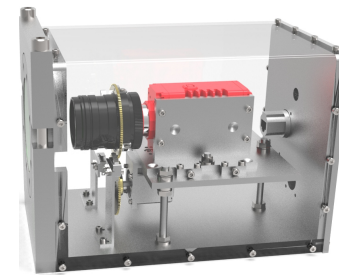
17.12.2020, Virtual

Progress Update of WP4: Innovation and Industry

- Propagate and implement an ESS Innovation Strategy by
  - Engaging industrial users
  - Establishing an internal innovation culture
  - Exploring the potential of the Industrial Liaison Officers network

- Partners involved in the WP
  - European Spallation Source - ESS (lead)
  - Technische Universität München - TUM
  - Paul Scherrer Institute - PSI

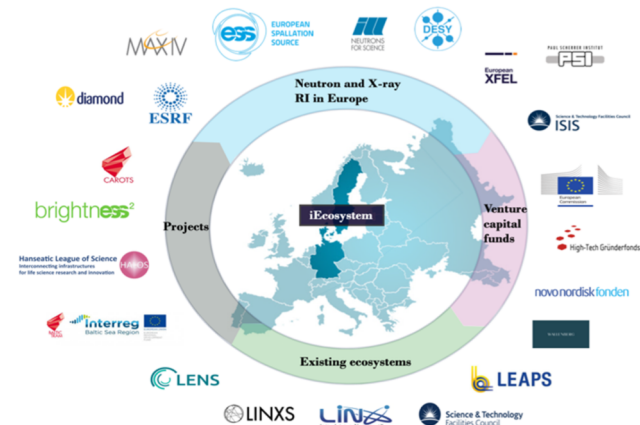- Timeline covered
  - August, 2020 - today

Progress Update of WP4: Innovation and Industry

- Main activities during the period:
  - D4.2 Strategic Roadmap for Technological Upgrades of ESS (M18) by approx. 15 expert interviews throughout the technical and scientific organization. Transformation in to ESS Technical Innovation Catalogue
  - Establishing iEcosystem concept for ESS by working with external and internal stakeholders
  - Executing first meetings with the Internal Innovation Board and the Industry Advisory Board
  - Working with first Tech. Transfer candidate: non-invasive Beam Profile Monitor
  - Dissemination and communication with innovation partners via different channels
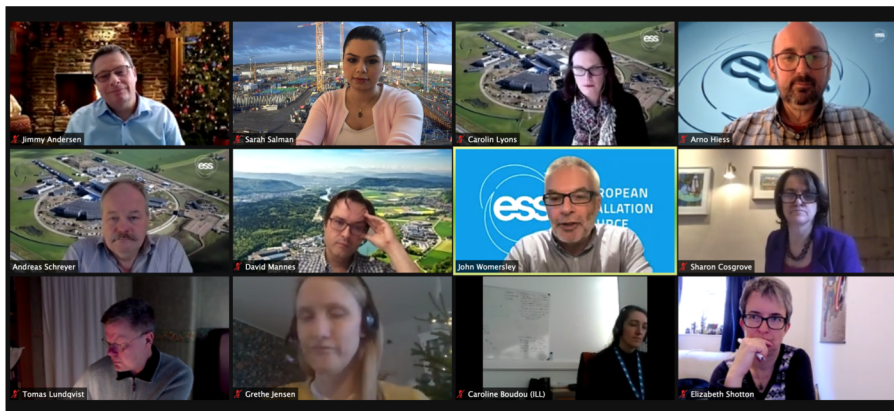

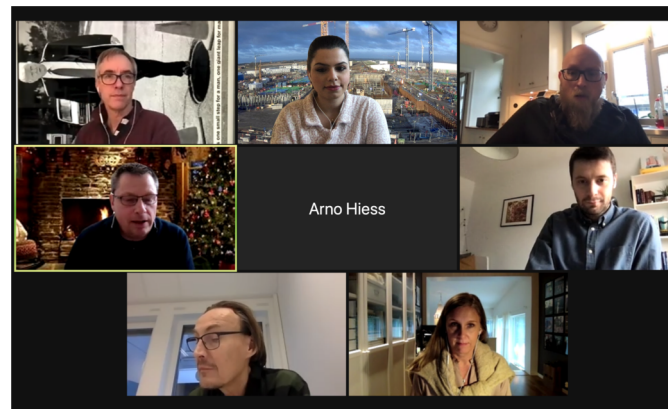Non-invasive Profile Monitor

ESS Innovative Ecosystem

Progress Update of WP4: Innovation and Industry

- Progress according to objectives
  - Ground work is completed with the achieved milestones and deliverables
  - Footprint and impact through internal and external collaboration and engagement is used to reach the dissemination targets

ESS Industry Advisory Board

ESS Internal Innovation Board

Results for Impact

- ESS Technical Innovation Catalogue
  - A dynamic platform for innovation ideas
  - Promotion of focus areas and fuel for spin-out

- ILO network collaboration
  - Highlighting the diverse opportunities for collaboration
  - Feedback on improvements and data requirements

- IIB for internal culture
  - With the innovation and industry function established, the IIB act as sparring partner and ambassador
  - The cross organisational nature of the IIB ensures diversity and dynamics

- IAB for external sparring
  - Learning from other facilities on best practice and potential pitfalls
  - Understand the industrial user and the diversity in competence and appliance

- Policies, procedures and access routes
  - The open dialogue and willingness to support and share between the WP4 partners enables to collect lessons learned (TUM & PSI)
  - Innovation and industry can together with the Scientific User Office explore options on a very solid basis
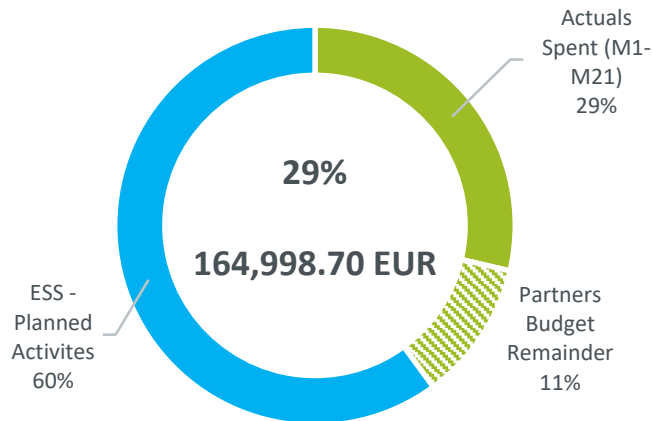
FINANCIALS

WP4 Expenditure and Overall Spending

Timeline: Month 1 – Month 21

Planned ESS Activities:
- Senior Innovation Staff
- User Office Staff
- Support Staff
- ESS-DTU Collaboration

Actual Spending (M1-M21) Vs Planned Activities

Actuals Spent (M1-M21) 29%

29%

164,998.70 EUR

ESS - Planned Activites 60%

Partners Budget Remainder 11%

Partner	% Spend of Budget
ESS	30%
TUM	53%
PSI	11%

Detailed Plan for 2021

- Detailed planning in place
  - WP4.1 "Implementing the ESS Innovation Strategy"
    - Continuing activities
  - WP4.2 "Evolving the ESS ILO Network"
    - Work planned and started on D4.3: Cross-border activities - M30
  - WP4.3 "Preparing for industrial users"
    - Work planned and started on D4.4: Processes and procedures for targeted access routes - M30
    - Planning phase for D4.5 Service catalogue including price list with three use cases - M30
    - Plan to start mid-2021 D4.6: Report on capacity building - M35

Sustainability of WP after project end

- All deliverables of WP4 are developed as sustainable assets for the further use by ESS and project partners:
  - D4.2 Report becomes and sustainable Technical Innovation Catalogue
  - The ILO survey in D4.1 flows in to the ILO reporting Scheme and act as reference for the project partners
  - D4.3 will highlight cross-border activities and can be used for continuous KPI and activity reporting
  - D4.4 and D4.5 will support Science Directorate to specify sustainable policies, procedures and services for industrial users

- With the established Internal Innovation Board and the Industry Advisory Board, WP4 aims to make a sustainable framework, culture and impact through innovation activities and industry collaboration

- Based on the Innovation and Industry "building bricks" created in WP4, ESS and the project partners can use these when building their innovation and industry strategies