



# 4SiM

## **Scalable Socio-Technical System Simulation in Manufacturing**

Kickoff meeting

12.9.2025



# Administrative status

- Grant agreement signed, will send out to consortium
- This is enough to start project work
- Partner agreement being finalized by UO international services & legal
- Will be sent for review and eventually be retrospectively in place starting 1.9.
- Project published: <https://erasmus-plus.ec.europa.eu/projects/search/details/2025-1-FI01-KA220-HED-000361927>
- Project available in Beneficiary Module



# Project manager recruitment status & payment schedule

- 43 applicants, 4 to be interviewed on Wed
- Start in October
- Finnish National Agency for Education is paying the grant to UOulu in three parts: 40-40-20
- Suggestion: same payment schedule for partners



# First tasks

|                                                                                                     |        | 1/2025 |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------|--------|--------|---|---|---|---|---|---|---|
| Description                                                                                         | Months | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <b>WP1 - Project management</b>                                                                     |        |        |   |   |   |   |   |   |   |
| Task 1.1 Project Management                                                                         |        |        |   |   |   |   |   |   |   |
| <b>WP2 - Creating 4SiM Database</b>                                                                 |        |        |   |   |   |   |   |   |   |
| Activity 1 Creating of the Team of Experts (ToE) and Identifying the Socio-Technical Factors (STFs) |        |        |   |   |   |   |   |   |   |
| Activity 2 Designing the Survey and Systematic Data Collection                                      |        |        |   |   |   |   |   |   |   |
| Activity 3 Integration of Socio-Technical Factors into 4SiM                                         |        |        |   |   |   |   |   |   |   |
| Activity 4 Complying with the Ethical and Legal Standards (GDPR, AI Ethics)                         |        |        |   |   |   |   |   |   |   |
| Activity 5 Validation, Testing, and Enhancement of 4SiM Database                                    |        |        |   |   |   |   |   |   |   |
| Activity 6 Development of an Open Source Database for 4SiM                                          |        |        |   |   |   |   |   |   |   |
| <b>WP3 - 4SiM Integration</b>                                                                       |        |        |   |   |   |   |   |   |   |
| Activity 1: Developing Industry Environment and AI-Driven Virtual Characters                        |        |        |   |   |   |   |   |   |   |
| Activity 2: Integrating Human Factor Characteristics and Industry-Specific Regulations              |        |        |   |   |   |   |   |   |   |
| Activity 3: AI-Powered Scenario Customization                                                       |        |        |   |   |   |   |   |   |   |
| Activity 4: Feeding the System with Structured Data and NLP for Contextual Understanding            |        |        |   |   |   |   |   |   |   |
| Activity 5: Speech Recognition, Voice Interaction and Language Translations                         |        |        |   |   |   |   |   |   |   |
| Activity 6: AI Learning Optimization & Performance Analytics                                        |        |        |   |   |   |   |   |   |   |
| <b>WP4 - 4SiM testing and Validation</b>                                                            |        |        |   |   |   |   |   |   |   |
| Activity 1: Initial Testing Within Partner Institutions and Feedback Collection                     |        |        |   |   |   |   |   |   |   |
| Activity 2: Corrective Measures and System Adjustments                                              |        |        |   |   |   |   |   |   |   |
| Activity 3: AI Performance Optimization and Learning Adaptability                                   |        |        |   |   |   |   |   |   |   |
| Activity 4: Large-Scale Validation with Industry Professionals and End-Users                        |        |        |   |   |   |   |   |   |   |
| Activity 5: Validation and Final Documentation for 4SiM Readiness                                   |        |        |   |   |   |   |   |   |   |
| <b>WP5 - Dissemination, Exploitation and Sustainability</b>                                         |        |        |   |   |   |   |   |   |   |
| Activity 1: Online Promotion                                                                        |        |        |   |   |   |   |   |   |   |
| Activity 2: Scientific Outreach                                                                     |        |        |   |   |   |   |   |   |   |
| Activity 3: Practitioner Outreach                                                                   |        |        |   |   |   |   |   |   |   |
| Activity 4: Extending the 4SiM network                                                              |        |        |   |   |   |   |   |   |   |



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# Practical project matters

- Monthly sprint review to be established
- Suggestions for time slot? Duration?
- Which project platform to use
- Teams? Something else?
- In-person meeting when? Where?



# Other matters

- Outi Tomperi is our contact person in the Finnish National Agency for Education
- She will join us in a future meeting
- Webinars for administration coming up
- Instructions:  
<https://www.oph.fi/en/programmes/management-and-reporting-cooperation-partnerships-ka220>
- Applying for other supporting projects? 😊



# Action points for September

- Establish better project management (UO)
- Send out grant agreement (UO), send partnership agreement for review once ready (UO)
- Draft Team of Experts invitation letter (UO)
- Think of ToE candidates (all)
- Establish Sharepoint environment/Teams workspace that all members can access (UO)
- Create poll on best monthly meeting slot (UO), respond to said poll (all)
- Send logos to Theoni (all)