EIT HEI Initiative

Innovation Capacity Building for Higher Education

European Institute of Innovation & Technology

A body of the European Union

A-SIDE

Alliance for Sustainable Product Innovation in a Data Driven Economy

RawMaterials

DeepTech & Innovation Online School

Sustainable Product Design in a Digital Age

Monday, 19th to Friday, 23rd October 2026

AGENDA

Register here

Scan Me

A-SIDE

a-side-project.eu

Table of Contents

DAY 1 ***Deep Tech and Sustainable Product Design*** **3**

DAY 2 ***AI and Data Science in Sustainable Product Design and Energy Sector*** **4**

DAY 3 ***Sustainable Product Design in the Manufacturing Sector*** **5**

DAY 4 ***Sustainable Product Design in BioTech Sector*** **6**

DAY 5 ***Innovation & Entrepreneurship: Business and Innovation Management*** **7**

Pre-Incubation Program **8**

DAY 1 *Deep Tech and Sustainable Product Design*

Date: Monday 19th October 2026

Host: Prof. Dermot Brabazon, Dublin City University

All times are CET time

9.45 - 10.00	**Registration to the Zoom Platform**
10.00-10.10	**Opening of the Online School** Prof. Dermot Brabazon, Dublin City University
10.10 - 10.30	**Launch of the Pre-Incubation Program** Prof. Dermot Brabazon, Dublin City University & A-SIDE partners
10.30 - 11.00	**EIT Campus Manger, https://eit-campus.eu/** Luisa Esposito
11.00 - 11.30	**SIEve: An entrepreneurial journey in deeptech** Jessica Serra, Co-founder & CEO, SIEVE
11.30 - 12.00	Break
12.00 - 12.30	**SAIFA project, EuroHPC JU AI Factory Antennas, The Serbian Artificial Intelligence Antenna Factory** Dr Dusan Vudragovic, Institute of Physics Belgrade, https://www.saifa.rs/
12.30 - 13.00	**Shallow Tech vs Deep Tech** Mr. Terence Bowden, Dublin City University
13.00-13.30	**What is Deeptech? Intersection of Deep Tech and Sustainability** Prof. Fatima Zivic, Vodena, University of Kragujevac
13.30-14.00	**Leveraging Life Cycle Thinking (LCT) Tools to Guide Sustainable Design and Certification in Innovation-Driven Sectors** Dr Irene Mazzei, University Bergamo
14.00-15.00	Lunch
15.00-15.30	**F6S creating opportunities and synergies in DeepTech** Dr Raquel Almeida, Co-founder & EU Projects Developer, F6S, https://www.f6s.com/
15.30-16.00	**ILIAD3: an Applied Research Competence Center for AI-based Image and Data Processing** Prof. Barthélémy Serres, University of Tours, https://iliad3.univ-tours.fr/english-version
16.00-16.30	**Sustainability in Materials Design and Development** Prof. Hakan Yılmazer, Gebze Technical University
16.30-17.00	**Artificial Intelligence for Sustainable Product Design: From Data to Innovation** Prof. Christophoros Nikou, University of Ioannina
17.00-17.30	Pre-Incubation Program Q&A
17.30	End of day 1

EIT HEI Initiative

Innovation Capacity Building for Higher Education

European Institute of Innovation & Technology

A body of the European Union

A-SIDE Alliance for Sustainable Product Innovation in a Data Driven Economy

RawMaterials

DAY 2 *AI and Data Science in Sustainable Product Design and Energy Sector*

Date: Tuesday 20th October 2026

Host: Iker Egizabal, Mondragon Unibertsitatea

All times are CET time

10.00 - 10.30	**From Thermal Storage to AI Smart Control: The ECHO System** **SAIFA project, EuroHPC JU AI Factory Antennas, The Serbian Artificial Intelligence Antenna Factory** Dea Jelić, Institute Mihajlo Pupin, Belgrade, https://www.saifa.rs/
10.30-11.00	**Data-Driven Surrogate Models for Sustainable Design and Optimization** Prof. Peyman Mahouti, Gebze Technical University
11.00 - 11.30	**AI-driven innovations in manufacturing and business** Prof. Boban Stojanovic, Vodena, University of Kragujevac
11.30 - 12.00	Break
12.00 - 12.30	**Supercomputing and Big Data - Industry Use Cases** Prof. Milos Ivanovic, Vodena, University of Kragujevac
12.30 - 13.00	**AI Tools and Best Practices for Software Development** Dr Sergii Shelpuk, Shelpuk AI Technology Consulting, https://www.shelpuk.com/
13.00 - 13.30	**SMARTICITY energy software – smart electricity** Mr Nikola Bojović, Vodena, Kragujevac, Serbia, https://vodena.rs/
13.30 - 14.00	**Machine Learning Applications for Sustainable Product Design in Energy, Environment, and Health** Prof. Özgün Yücel, Gebze Technical University
14.00-15.00	Lunch
15.00-15.30	**Decision-Boundary Instrumentation: Deployer-Side AI Monitoring for European Industry** Dorleta Urrutia-Oñate, University of Deusto, Bilbao
15.30-16.00	**Technology adoption by Energy sector SMEs** Dr Maite Couto-Ortega, Mondragon University
16.00-16.30	**Data management for local-level transition plans – energy and climate** Prof. Mitar Perusic, University of East Sarajevo
16.30-17.00	**The Fuel Cell: An Energy Converter of the future** Prof. Cécile Autret Lambert, University of Tours, Greman Laboratory
17.00-17.30	**Teampreneurship for Climate Action: An Open Approach to Green Entrepreneurship Education** Prof. Lander Jimenez Ocio, Mondragon University
17.30-18.00	**DeepTech in Cybersecurity Products** Prof. Sedat Akleylek, University of Tartu, Estonia
18:00	End of day 2

DAY 3 Sustainable Product Design in the Manufacturing Sector

Date: Wednesday 21st October 2026

Host: Prof Fatima Zivic, University of Kragujevac; Dr Aleksija Đurić, University of East Sarajevo

All times are CET time

10.00 - 10.30	**From Design to Manufacturing – The Role of CAM** Prof. Suzana Petrovic Savic
10.30-11.00	Sustainable vehicle design – a way for future mobility Prof. Jovanka Lukic, Faculty of Engineering, University of Kragujevac
11.00 - 11.30	Critical Raw Materials for a Resource Efficient Circular Economy Dr. Inam Ul Ahad, Dublin City University
11.30 - 12.00	Break
12.00 - 12.30	Physico-chemical analysis of the passive film formed on 316L stainless steel in alkaline media and prediction of its behavior using machine learning approaches Dr Kaouthar Bouguerra, Université de Tours
12.30 - 13.00	Sustainability in Conventional and Advanced Metallic Products Manufacturing Prof Hakan Yılmazer, Gebze Technical University
13.00 - 13.30	Unlocking New Opportunities: Deep Learning-Driven Processing of Unmanned Aerial Vehicle (UAV) Data Prof. Umut Güneş Sefercik, Gebze Technical University
13.30 - 14.00	Additive Manufacturing as a Digital Technology Dr Eanna McCarthy, Dublin City University
14.00-15.00	Lunch
15.00-15.30	Study of finishing operation for thin-walled structures processed by LPBF additive manufacturing with Taguchi approach Lucas Chevailler, University of Tours
15.30-16.00	Managing the Invisible Highways: Transforming Urban Air Traffic into Opportunity Vladimir Spinko, Chief Executive Officer of Aery Bizkaia, Spain
16.00-16.30	The role of precise material model characterization in optimization of sheet metal forming processes Prof. Gábor J. Béres, John Von Neumann University
16.30-17.00	Design Thinking as Problem-Solving Methodology Iker Egizabal, Team Coach & Researcher Mondragon University
17.00-17.30	Joining Technologies in the Transport Sector: A Review Dr Aleksija Đurić, University of East Sarajevo
17.30	End of day 3

DAY 4 Sustainable Product Design in BioTech Sector

Date: Thursday 22nd October 2026

Host: Prof. Emrah Kirtil, Gebze Technical University

All times are CET time

10.00 - 10.30	**The journey from a scientific idea to a Deep-Tech product: The case of advanced wound dressings** Dr. Cansu Ülker Turan, Gebze Technical University
10.30-11.00	**Opportunity Health startup**, https://opportunityhealth.life/
11.00 - 11.30	**AI-First Pharmaceutical Innovation, DeepCeutix startup**, https://www.deepceutix.com/ Prof. Mohamed Elbadawi, Queen Mary University of London
11.30 - 12.00	Break
12.00 - 12.30	**Healthcare Technologies in the Era of DeepTech** Prof.Dr. Muhammet Uzuntarla, Gebze Technical University
12.30 - 13.00	**Sustainable Antenna Design for 5G and Beyond Applications via Deep Learning** Prof. Peyman Mahouti, Gebze Technical University
13.00 - 13.30	**DeepTech in Human-Centered and Sustainable Wearable AI** Prof. Saban Ozturk, Gebze Technical University
13.30 - 14.00	**Microelectronics and Sensors: from IoT to high energy physics** Prof. Luigi Gaioni, University of Bergamo
14.00-15.00	Lunch
15.00-15.30	**From Global Mechanical Response to Local Mechanisms: A Multiscale Study of KNN-based Lead-Free Piezoelectric Ceramics** Jade Clément , University of Tours
15.30-16.00	**Changing Drug Design Through the Use of Artificial Intelligence** Prof. Dimitrios Fotiadis, University of Ioannina
16.00-16.30	**Diabetes market analysis focused on the manufacturer of early detection products** Dr Maider Beitialarrangoitia, Mondragon University
16.30-17.00	**Reverse engineering and finite element methods for geometry reconstruction in medical applications** Mrs. Klaudia Papp, John Von Neumann University
17.00-17.30	**Deep Tech in the Browser: Building Global Access to Atomistic Calculations for Molecular Research** Prof. Stevan Armaković, University of Novi Sad
17.30	End of day 4

EIT HEI Initiative

Innovation Capacity Building for Higher Education

European Institute of Innovation & Technology

A body of the European Union

A-SIDE Alliance for Sustainable Product Innovation in a Data Driven Economy

RawMaterials

DAY 5 Innovation & Entrepreneurship: Business and Innovation Management

Date: Friday 23rd October 2026

Host: Prof Yorgos Goletsis, University of Ioannina & Prof. Giovanna Campopiano, University of Bergamo

All times are CET time

10.00 - 10.30	**Pitching for Support: Focus on the Customer, End User, Funder** Prof. Emer Ní Bhrádaigh, Dublin City University
10.30-11.00	**Rethinking Innovation and Entrepreneurship through Sustainable Product Design** Prof. Yorgos Goletsis, University of Ioannina
11.00 - 11.30	**Market research for new business ventures** Prof. Cristina Bettinelli, University of Bergamo
11.30 - 12.00	Break
12.00 - 12.30	**Sustainable Business Model Innovation** Prof. Tommaso Minola, University of Bergamo
12.30 - 13.00	**Impact finance and measurement** Dr Fatima Badgaoui, University of Bergamo
13.00 - 13.30	**From Laboratory to Marketplace** Nikolaos Alexandros Theodorou, University of Ioannina
13.30 - 14.00	**Keys of University-Business Cooperation** Prof. María Vivar-Simón, Mondragon University
14.00-15.00	Lunch
15.00-15.30	**Entrepreneurial Experimentation** Dr Davide Hahn, University of Bergamo
15.30-16.00	**Unlocking Intellectual Property** Mr Peter Olwell, Dublin City University
16.00-16.30	**From Industry Need to Science-Based Venture: The Case of SCILEND.** **Building an End-to-End Scientific Coordination and Execution Startup.** Charalampos Tzanidis & Panagiotis Pantazis, Co-founders of SCILEND & UoI Innovation Generator alumni
16.30-17.00	**Example of management of start-up, University of Tours** Benjamin Vrignaud & Justine Gillet - C-Valo and UT TTO
17.00-17.30	**Status Student Entrepreneur,** Christelle Rivas, University of Tours and French national programme PEPITE
17.30-17.40	Close

Pre-Incubation Program

Link to Join

Turn your idea into a pitch-ready venture

Date: October 27 – November 30, 2026

Objective

The Pre-Incubation program is a five-week program that guides student teams from the first spark of an idea to a polished pitch in front of an expert committee. Whether you already have a concept in mind or are looking to join a team around a real-world challenge, the Pre-Incubation Program gives you the structure, feedback, and mentoring to build something real.

Program Structure

- Collaborative Workstreams: Form teams around real-world challenges or pre-existing student concepts, supported by structured mentorship and live Q&A sessions.
- Core Modules: Advance through four operational phases covering value proposition and technical feasibility, market analysis and competitive positioning, minimum viable products (MVPs) and financial fundamentals, and pitch development.

Program Timeline

Phase	Date	Key Activities
Kick-off	Oct 27 14:00-15:00	Welcome address, team formations, matchmaking, challenge-based idea generation, team contract finalization, and initial project scoping.
Module 1	Nov 2 14:00-15:00	Value Proposition Lab and Technical Feasibility Lab.
Module 2	Nov 9 14:00-15:00	Market analysis, competitive positioning, and feedback implementation.
Module 3	Nov 16 14:00-15:00	MVP development and financial planning.
Module 4	Nov 23 14:00-15:00	Pitch refinement, narrative structuring, and video submission guidance.
Final Pitch Day	Nov 30 14:00-17:00	Five-minute team presentations followed by a five-minute Q&A session with a five-person expert committee, concluding with final remarks.