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AILEEN - Centres of Vocational Excellence in Aerospace & Defence for Advanced Manufacturing
ERASMUS-EDU-2022-PEX-COVE

Co-funded by the European Union

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**Venue:** IDONIAL Gijón

Parque Científico Tecnológico de Gijón, Avda. Jardín Botánico 1345

33203 Gijón, Asturias

***Coordenadas***: W 5º 42' 05''- N 43º 32' 13''

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# AILEEN Capacity Building
# AGENDA

## DAY 1 – Monday 21.09.2026

### 13:30 – 13:45 | Arrival & Registration

### 13:45 – 14:30 | Opening Session

| Topic | Speaker | Duration approx. |
|---|---|---|
| Welcome | Paula Queipo-IDONIAL | 5 min |
| CB Agenda & practical arrangement | Paula Queipo-IDONIAL | 10 min |
| Keynote Speech: Overview of AILEEN project | Adelaide Almeida-EWF | 15 min |

### 14:30 – 17:00 | Resource Labs: Step-by-Step Resources Development
**Session moderator: Silvia Soares-ISQ**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Using AI technologies in training | Wim Verlinde-BIL | 15 min |
| AR/VR tools for learning | Doru Luca -ISIM | 15 min |
| Use of exercise and queries to engage students in Welding /AM and Inspection | Isabel Gomes -FAN3D | 15 min |
| Classroom examples | Charalampos Sokos - WGI | 15 min |
| Labs examples | Doru Luca – ISIM | 15 min |
| Resource Lab: Introduction to AILEEN Excellence Platform | Adelaide Almeida-EWF | 15 min |

☕ **17:00-17:30 | Coffee & Connect + Inspirational talk-Manuel Braña, Director of Manufacturing and supply chain for new projects-INDRA**

## DAY 2- Tuesday 22.09.2026

### 09:15 – 10:30 | Modern Pedagogy: Implementing Problem Based Learning (PBL) Approach

**Session moderator: Yvonne Johannsen-LAK**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Introduction of innovative teaching methods and the problem-based learning approach | Yvonne Johannsen-LAK | 10 min |
| Applying Problem-Based Learning in A&D training | Hannah Jones -MTC | 20 min |
| Case examples from advanced manufacturing | Wim Verlinde-BIL | 20 min |
| Interactive exercise | Hannah Jones -MTC<br>Wim Verlinde-BIL<br>Yvonne Johannsen-LAK | 25 min |

☕ **10:30 – 11:00 | Coffee and Connect**

### 11:00 – 12:30 | Student Guidance: Navigating the AILEEN Training Catalogue in A&D

**Session moderator: Adelaide Almeida-EWF**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Strategies to attract students to A&D training | Paula Queipo-IDONIAL | 10 min |
| How to guide learners | Adelaide Almeida-EWF | 20 min |
| Using AILEEN pathways effectively | Adelaide Almeida-EWF | 20 min |
| Group activity | EWF | 30 min |

🍴 **12:30 – 13:30 | Lunch Break**

### 13:30 – 15:00 | Building Strong CoVEs Cooperation & Internal Capacity

**Session moderator: Bethan Smith-MTC s**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Joint activities (Intro; Joint course delivery & joint research) | Adelaide Almeida-EWF | 10 min |
| Sharing best practices: AILEEN Staff Mobility | ISQ /MTC | 15 min |
| Staff challenges and capacitation | Bethan Smith-MTC | 15 min |
| Strategies for engaging industry | Bethan Smith-MTC | 20 min |
| Expanding the CoVE network | Ulas Yaman-METU | 30 min |

☕ **15:00 – 15:30 | Coffee Break**

### 15:30 – 16:30 | Advanced Welding: Processes, equipment, applications in Aerospace & Defence

**Session moderator: Ivan Garcia-CESOL**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Process, equipment | E. O Paton+Ivan-CESOL | 20 min |
| Industrial application | Ivan-CESOL | 15 min |
| Skills needs in welding | WGI | 15 min |

**16:30 – 17:00 | Additive manufacturing: Processes, equipment, applications in Aerospace&Defence**

**Session moderator: NOVAINDEF**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Process, equipment and sectorial applications | Fernando Lasagni - Novaindef (online) | 25 min |
| Skills needs | Fernando Lasagni - Novaindef (online) | 5 min |

**🍽 20.00h Dinner**

## DAY 3 – Wednesday 23.09.2026

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**🍴 09:15 – 10:30 | | Finding Hidden Defects: NDT Techniques for Advanced Manufacturing –**

**Session moderator: Tolga Erturk- METU**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Quality assurance link to certification | Sofia Proença-ISQ (online) | 20 min |
| Detecting hidden defects | METU | 15-20 min |
| Industrial applications | Isabel Gomes-FAN3D (graceful AM) | 30 min |

**☕ 10:30 – 11:00 | Coffee Break & Inspirational talk-The Next Pangea**

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**11:00 – 12:30 | Navigating Certification & Standards in A&D Manufacturing**

**Session moderator: Wim Verlinde - BIL**

| Topic | Speaker | Duration approx. |
|---|---|---|
| Regulatory landscape | Bethan Smith - MTC (Defense) + PRI (Aerospace, commercial aircraft) | 20 min |
| Certification challenges in AM: feedback from audits & NADCAP/ISO requirements | Jim Klingele - PRI | 20 min |
| Real cases (Navy/Airforce - 3D printing – LPBF & DED-laser) | Fernando Lasagni (online) - NOVAINDEF | 20-30 min |

**🍴 12:30 – 13:30 | Lunch Break**

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**13:30 – 14:30 | Visit to IDONIAL Facilities**

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**14:30 | Closing & Wrap-up**