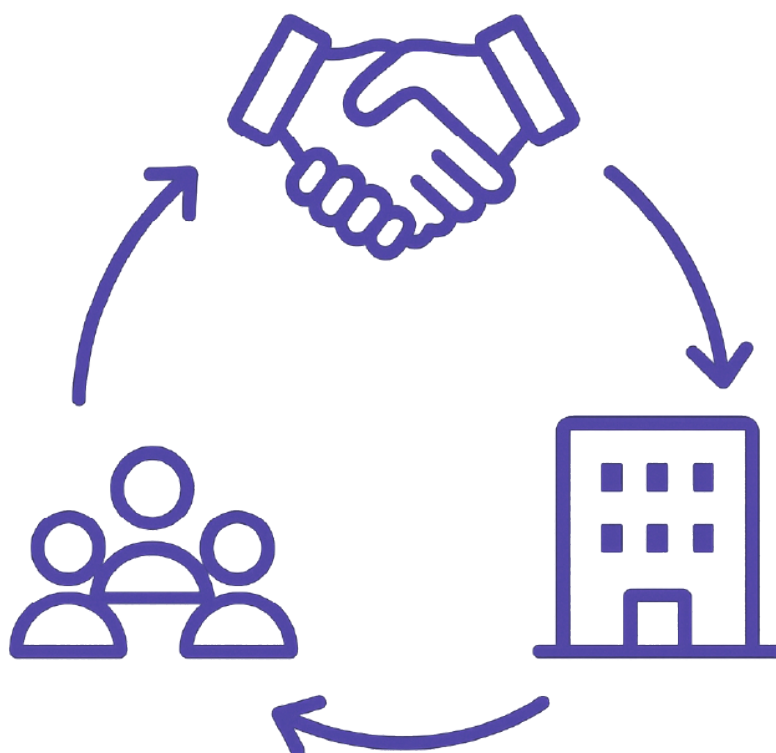


Best Practice n°3



Real Case Collaboration – IDONIAL – CESOL Cooperation

Author: Paula Queipo Rodriguez, IDONIAL



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- **Type:** Collaborative Networking & Industry Partnership
- **Category:** Networking
- **Method/Tool:** University & Company Collaboration
- **Best Practice Description:** Active collaborations with universities, technology centers, and industry partners/associations provide relevant, up-to-date training content and access to practical expertise.

Background

IDONIAL is a private, non-profit technology center. Main working areas are advanced manufacturing (including welding and additive manufacturing), industry digitalisation and materials development.

CESOL is an Association of Persons and Companies, independent and non-profit, in the service of welding, adhesives and Additive Manufacturing. CESOL has more than 40 years of experience.

The cooperation was established within the framework of the **International Additive Manufacturing Qualification System (IAMQS)**.

IDONIAL Technology Centre acts as an **Authorized Training Body (ATB)** in Spain, while CESOL Welding and Joining Association operates as the **Authorized Nominated Body (ANB)**.

As both organisations are part of the same international qualification system and actively collaborate in European Erasmus+ projects such as AILEEN and SAM for the development of the qualification system, the cooperation emerged naturally. Based on this shared framework and complementary roles, the partners combined their capabilities to jointly implement training activities, such as the European Metal Additive Manufacturing Coordinator course.

Origin of Training Format

The training format is based on the standard structure defined by EWF qualification programmes within the IAMQS framework.

These programmes ensure:

- harmonised learning outcomes
- comparable qualification levels across countries
- standardised assessment procedures
- international recognition of competences

As a result, the course structure was not developed ad hoc but follows established European guidelines for qualification training.



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Relevant Aspects for Implementation

The implementation requires alignment on several key dimensions:

- compliance with IAMQS and EWF qualification requirements
- alignment with official training guidelines
- clear definition of roles between ATB and ANB
- quality assurance and examination procedures
- trainer qualification and approval
- participant admission criteria
- certification workflows and documentation
- coordination of administrative and technical communication

These elements ensure consistency, quality, and international recognition of the training.

Mechanisms for Continuous Collaboration

The cooperation is sustained through continued collaboration within the IAMQS framework and related European activities.

Key mechanisms include:

- shared responsibilities in qualification implementation
- continuous alignment with IAMQS updates
- participation in European projects and working groups
- ongoing coordination in training and certification activities

This structured environment enables long-term, stable collaboration beyond individual projects.

Practical Example

IDONIAL integrates real industrial cases from its own projects into training (e.g. aerospace light weight design or process optimisation), enhancing practical relevance and industry alignment.



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