



1st Follow up and impact of AM Training Report

Executive Summary

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This report provides an overview of the results obtained with the follow-up to the participants involved in the 1st stage of SAM piloting activities, six months after the training occurred. These activities included the piloting of the methodology for creating professional profiles and skills through the implementation of revised training guidelines for the IAMQS (International Additive Manufacturing Qualification System), including its Quality Assurance System.

The SAM piloting courses, conducted under WP5 (5.3 Piloting events of the 1st Stage Real Case Scenarios), addressed the implementation of the revised guidelines for Metal AM (Additive Manufacturing) Process Engineer Powder-Bed Fusion and two individual Competence Units (CUs)/ Units of Learning Outcomes (LOs) from the Metal AM Designer for PBF Processes; namely: Simulation Analysis (CU61) and Simulation Execution (CU62). In total, 13 CUs were implemented virtually and 4 on-site, as in-person training and face-to-face meetings, from November 2020 to February 2021. The implementation of the 1st Stage Real Case Scenarios counted with more than 500 participants (about 22% female) in the lectures, from which 408 students completed the assessment.

The report compiles the information obtained through the implementation of D2.6 *Kit for tracking students, future employees and job seekers in AM* (developed in Work package 2) as well some recommendations to improve future training sessions, collected among the participants of the 1st Stage Real Case Scenarios Piloting Events. Despite having close to 500 participants in the AM pilot courses, only 136 responses were collected with the 6-month follow-up questionnaire.

The findings enable to conclude the following about the IAMQS courses:

- **AM course contents were attractive for both workers** (85% of the participants were employed before starting the training) **and unemployed people** (15% of the participants had no current working position)
- Diversity of profiles attending the course and replying to the Survey, where most of the respondents are involved in Engineering, Machine Operations, Design, Management and Research tasks.
- The training provided had a **positive impact concerning the applicability and transfer of knowledge and skills into the professional activity** (83% rated as very good and good applicability)
- The training provided had a lower impact as a trigger for enrolling in future training (only 23 % mentioned having started another course).

Finally, some recommendations were left by the participants to improve future training sessions, namely by providing industrial case studies/examples to help understand the course and to revisit the assessment questions and their alignment with the course content delivered.