D3.3 Reports on the participation of summer schools

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Project Acronym: UMA³

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Status	
Draft	
Final	X

Type		
R	Document, report	X
DEM	Demonstrator, pilot, prototype	
DEC	Websites, patent fillings, videos, etc.	
ETHICS		

Dissemination Level		
PU	Public	X
CO	Confidential, only for members of the consortium (including the Commission Services)	

Revision History

Date	Lead Author(s)	Comments

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1. TASK DESCRIPTION OF D3.3

The task related to the present deliverable, concerns the organization of two (2) summer schools (M13 and M25) in the field of advanced materials synthesis and coatings characterization and application of aerospace and aeronautical materials. The courses offered through the above summer schools are addressed at young scientists, BSc and/ MSc students and engineers from other relevant local organisations. The abstracts of the lectures will be published on the project website to increase the number of people, who can benefit from them.

In the present deliverable, the current status on the implementation of summer school no1 (M13) is reported. The final version (M25) of the current deliverable will contain the reports for both summer schools organized in the frame of UMA3.

2. PLANNING OF SUMMER SCHOOLS

Figure 1 shows the planning of the content, the location and partners involved in the two summer schools (indicated in the Figure as Course no1 and Course no2 respectively), based on the Grant Agreement of UMA3.

Course no. 1 PARTNER: UniBo-CIRI, Fraunhofer IFAM	**Powder metallurgy and additive manufacturing**	Training (other involved teams)
Planned period	**Month 13**	**30 hours**
Day 1	The role of powder metallurgy in aerospace and aeronautical areas	4
Day 2	Widely used materials and alloys and room for development	6
Day3	Novel technological solutions in the area of powder metallurgy	6
Day 4	Development of methods for additive manufacturing	6
Day 5	Special technologies	4
Course no. 2 Partner: LTSM	**Metal matrix composite materials (synthesis and characterization)**	**25 hours**
Planned period:	**Month 25**	
Day 1	The role and usage of metal matrix composite materials in the aerospace and aeronautical industry	5
Day 2	Novel technological solutions to produce metal matrix composite materials	7
Day 3	Light-weight alloys' and metal matrix composite materials' mechanical characterization	8
Day 4	Physical-chemical characterization of new metal matrix composite materials	5

Figure 1: Planning of Summer Schools

3. IMPLEMENTATION OF SUMMER SCHOOLS

3.1 SUMMER SCHOOL 1 (M13)

Due to the pandemic situation and constraints regarding the physical participarion of attendees in the summer school no1, the consortium has decided to postpone the date to the beginning of 2022 for greater efficiency. An updated version of this deliverable will follow after implementation of summer school no1.

3.2 SUMMER SCHOOL 2 (M25)

Summer school no2 is planned to be held in M25 of the UMA3 project, as indicated in the Grant Agreement, hoping that the pandemic situation will allow for the physical participation of attendess. Further information will be available in an updated version of this deliverable.