

# Additive Manufacturing Project Clustering Workshop

Fundació CIM  
Barcelona, Spain  
May 2nd 2016

The objective of the workshop is to stimulate international cooperation in the area of Additive Manufacturing (AM) within IMS member regions in order to stimulate synergies, maximise mutual benefits and to identify potential plans for cooperation within the clusters, based on the shared vision of its participants. The AM projects will be grouped in 3 themes: 1) AM for Metal parts, 2) AM for Polymer- ceramics-biomaterial parts and 3) Generic technologies including software, laser and new materials for AM.

The Parallel Sessions will focus on the synergies between the individual projects within each potential cluster and on a preparatory work undertaken by each of the 4 IMS regions in advance of the workshop to maximise added value regarding in particular exploitable results in order to maximise mutual benefits. These work plans are expected to be eventually formalised in a Memorandum of Understanding (MoU) to be agreed between the participants in each cluster. The draft work plans will be presented in the plenary session at the end of the day.

08:30 – 09:00 Registration and Coffee

09:00 – 10:00 Plenary Session

Chair: José-Lorenzo Vallés, EC RTD (10 min)

- Abraham Tijerina, Chairman IMS International: “Welcome” (10 min)
- Mauro Caocci: “Objectives, rationale and methodologies for the International Cooperation Clusters” (25 min)
- German Esteban: “Brief Overview of the three cluster areas and associated projects” (15 min)

10:00 – 13:00 Parallel sessions

<b>1) AM for Metal parts</b> Chair: Andrea Gentili, EC RTD Rapporteur/facilitator: Garth Williams, IMS Coach	<b>2) AM for Polymer- ceramics-biomaterial parts</b> Chair: German Esteban, EC RTD Rapporteur /facilitator: Steve Ray, IMS Coach	<b>3) Generic technologies including software, laser and new materials for AM</b> Chair: Mauro Caocci, IMS Coach Rapporteur /facilitator: David Carlos Romero Diaz, IMS Coach
AMAZE, Borealis, REProMag, OXIGEN, NANOTUN3D, RepAir (tbc), AATiD (ISR), IAI (ISR) (tbc), NIST MSAM (US), FRISA (MX) (tbc), SISAMEX (MX) (tbc), CSIR (SA), SU (SA), QuesTek (US), Exova (US)	ToMax, Bioscaffolds, Hydrozones, Rápidos (tbc), HEMAQ (MX) (tbc), CUT (SA)	CaXman, ComMUnion, FoFAM, CassaMobile, NextFactory, ManSys (tbc), TEC (MX), UNAM (MX), CIDESI (MX) (tbc), NWU (SA), Lockheed (US)

- Brief project presentations
  - Project main info and introduction
  - Exploitable results (ER)
  - Characterization of ER
  - Expression of interest in the ER of the other projects
- Cross expression of interests and Cluster formation



13:00 – 14:00 Lunch

14:00 – 16:30 Parallel sessions (continued)

- Discussion/presentations of opportunities for leveraging and collaboration
- Cluster working groups to draw preliminary work-plans (estimated 3 clusters depending on projects available)

16:30 – 17:25 Preliminary work-plan presentations by each cluster (10 min each)

17:25 – 17:35 Conclusions: Abraham Tijerina

17:35 – 18:00 Bus to Castelldefels facilities

18:00 – 19:00 Guided tour to the new AM facilities of Fundació CIM at Castelldefels  
Joaquim Minguella. R+D+I Manager Fundació CIM

19:00 – 19:30 Bus to IMS Cocktail: One Ocean Club