

IAM

INTERNATIONAL
ADVANCED
MANUFACTURING

3D HUB

Technological Partners:



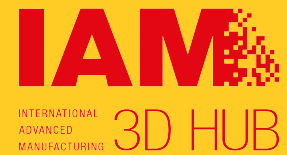
Ecosystem partners:



amb el suport de:



AM/3DP Medical Platform



**Adoption, Development and
Implementation of AM/3DP technologies
as a basic tool in the digital transition
towards personalized medicine.**

Mission & Objective

AM/3DP Community with a shared vision

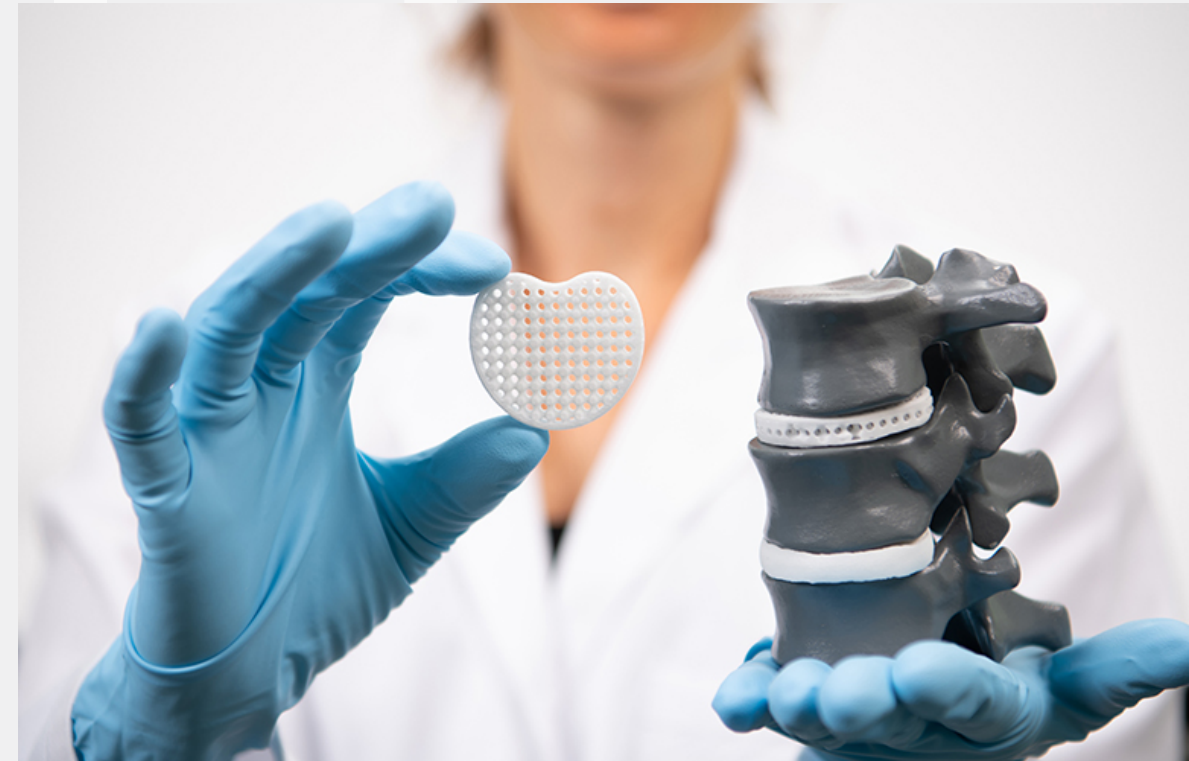
Community composed by hospitals, companies, entities and research agents from the healthcare and medical sector, working together to boost the adoption, development and implementation of customized medical solutions based in additive manufacturing technologies.

Creation of innovative medical devices and products through disruptive and specialized design techniques, that together with new breakthrough materials, allow to provide patients a highly precise and customized treatment, device or product, to increase healing effectiveness



Adoption . . .

- Experiment and testing of AM/3DP technologies for applications in healthcare and medical sector.
- Knowledge acquisition in digital tools such as AM/3DP technologies, hardware and software. Medical staff training and capacitation in these fields
- Boosting new medical devices development by using AM/3DP technologies.
- Generate high-level evidence related to AM/3DP technology in the medical field.
- Standardize and create different design, fabrication and implementation guidelines based on these evidences



Development . . .

- Contribute to the development of new and enhanced technologies, materials, processes and products of AM/3DP for the healthcare and medical sector.
- Contribute to the development of solutions based in AM/3DP technologies that achieve the accomplishment of medical devices regulation.
- Contribute to the development of complementary post-processing technologies, that together with the new materials for AM/3DP, provide enhanced properties and functionalities
- Contribute to the development of complementary technologies for the inspection, metrology and quality control of the products and components produced with AM/3DP technologies.



Implementation . . .

- Creation and coordination of the AM/3DP Medical Platform community, identifying capabilities, participants, equipment, resources etc...
- Creation and dinamization of thematic workgroups to deep dive in segmented areas of interest to develop transversely in: technical development, business oportunities and training needs.
- Boosting knowledge sharing within the AM/3DP Medical Platform.
- Boosting the international submission of r&D project proposals jointly.
- Develop Use Cases and Success Stories with the technical and business justification.
- Boosting the introduction of AM/3DP in the public health system.
- Enable business oportunities and medical benefits thanks to the implementation of AM/3DP technolgies.

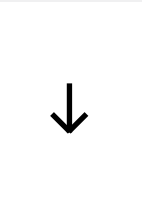
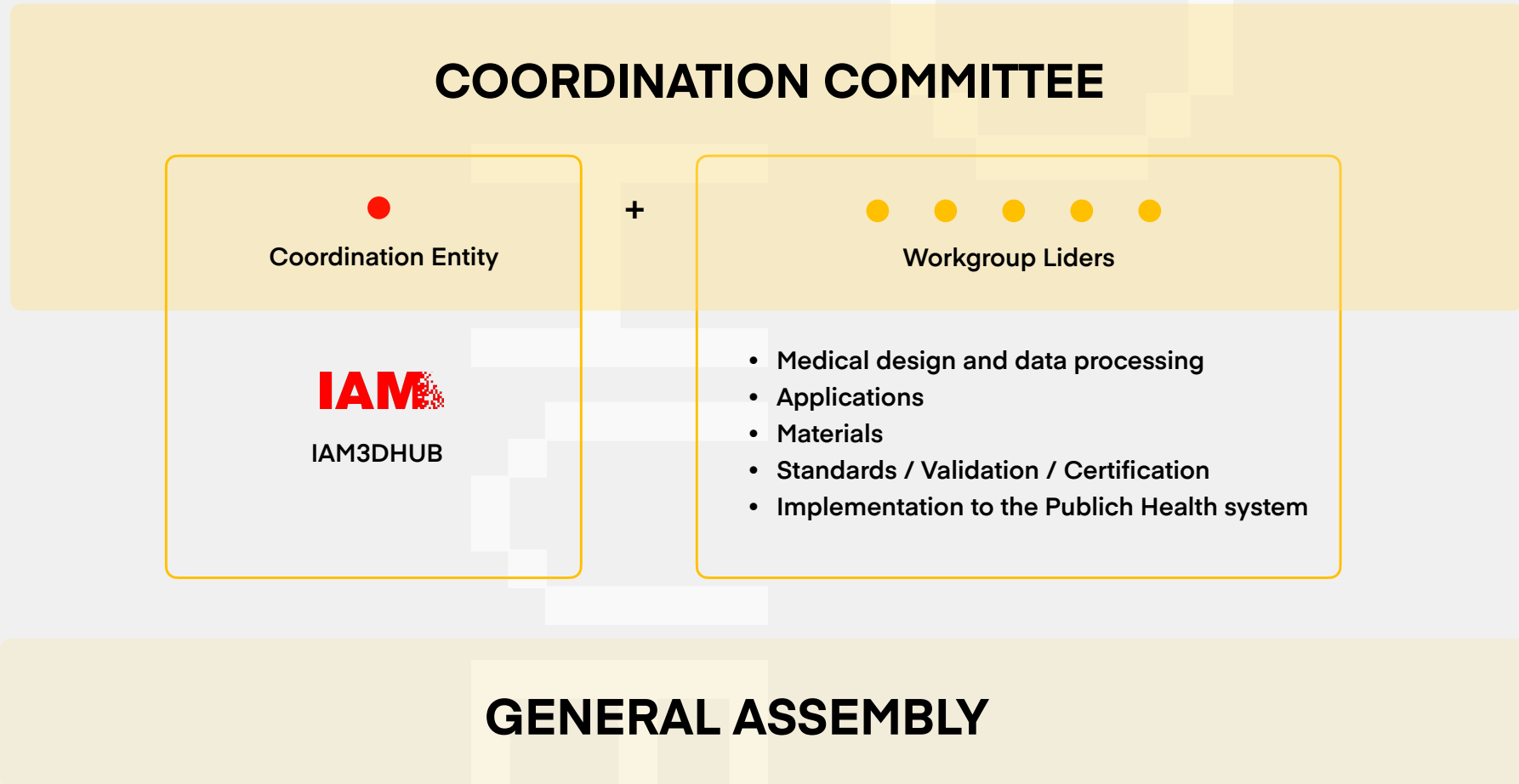


Why?

- **Boosting innovation and knowledge sharing:** strategic R&D activities, new equipment development and creation of inspirational demonstrators. Congresses attendance. Tradeshows and events. Strengthen the AM/3DP ecosystem within the medical sector.
- **Market growth:** Create new economic opportunities, increase competitiveness while creating high-added value jobs.
- **Internationalization:** Market positioning. New talent and investment attraction. Participation in technological cooperation programmes.
- **Push to reach the goal of customized healthcare and medical solutions.**



Organization



Operating model

COORDINATION ENTITY



- Platform management
- Marketing & Events management
- Communication of activities, results, projects and activities of the AM/3DP Medical Platform
- Publications, Whitepapers creation
- Technology surveillance
- Funding research for projects, and joint venture for projects calls
- Access to the IAM3DHUB's technology and community
- Creation and management of data bases of participants, equipments, resources, capabilities
- ... many more open to suggestions

Membership Annual Fee : 1.500 €/yearly



Working groups

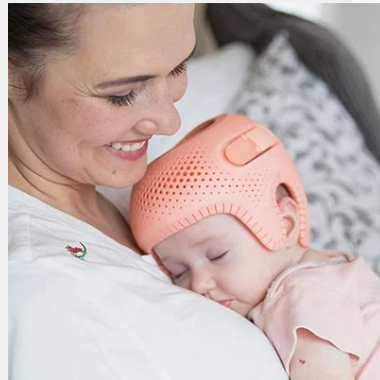
MEDICAL DESIGN AND DATA PROCESSING

- Medical imagery
- Design
- Simulation
- Job preparation



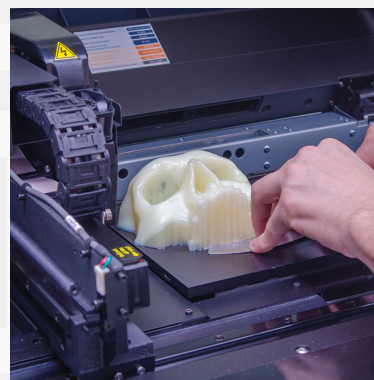
APPLICATIONS

- Surgery prep. models
- Prosthetics & orthotics
- Surgical instruments
- Medical devices
- Bioprinting tissues
- Solid dosage forms



MATERIALS

- Polymers
- Metals
- Ceramics
- Biomaterials
- Advances materials



STANTARDS, VALIDATION & CERTIFICATION

- Clinical testing
- Scientific & medical evidence creation



PUBLIC HEALTHCARE SYSTEM IMPLEMENTATION

- Service model
- Patient journey
- Technology adoption within Hospitals



Next Steps:

FOUNDATIONAL MEETING

6th April 2022 -> 12h - 14h

IAM3DHUB - DFactory Barcelona
 C/ 27, 10-16 Sector BZ, Zona Franca
 08040 Barcelona

Hospitals	Research Centers	Companies	Entities
H. Sant Joan de Déu, H. Parc Taulí H. Vall d'Hebron H. Clínic Fundació Althaia H. Joan XXIII H. Verge de la Cinta H. Son Espases H. De Bellvitge H. Josep Trueta H. Arnau de Vilanova HM Hospitales H. Germans Trias i Pujol H. Sant Pau	Leitat IBEC Fundació CIM IQS IDIBELL ...	Avinent Phibo Tractivus I-vascular Vecmedical ...	CIMTI Catalonia Bio&Healthtech CATI Biocat ICS FENIN - Federación Española de Empresas de Tecnología Sanitaria ...

OPEN HOUSE IAM3DHUB Healthcare & Medical + MEDICAL PLATFORM KICK-OFF

6th May 2022

IAM3DHUB - DFactory Barcelona
 C/ 27, 10-16 Sector BZ, Zona Franca
 08040 Barcelona

Thanks.

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