

DT-ICT-03-2020: I4MS (phase 4)

Laser based equipment in advanced and additive manufacturing

## PULSATE – DIH networks



I4MS



# Pulsate

Fostering the PAN-European infrastructure for empowering SMEs digital competences in laser-based advanced and additive manufacturing



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Fostering the PAN-European infrastructure  
competences in laser-based advanced and



- Focus: **Materials Technology and Process Engineering.**

- Industry-Centred Private Non-Profit Research Organization.
- Around 100 Associated Industrial Members
- Headcount: 240. All permanent staff.
- 5 Commercial offices, >800 Industrial Customers.
- Over 60 R&D projects/year
- Strong commitment with the region /

/ Intense involvement with Europe



Torneiros Headquarters  
Central Labs and Characterization



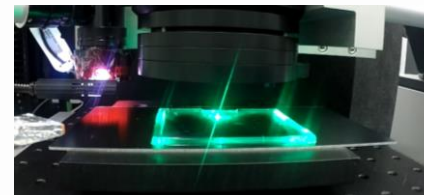
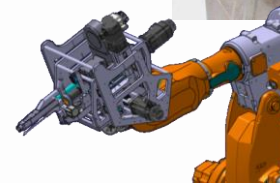
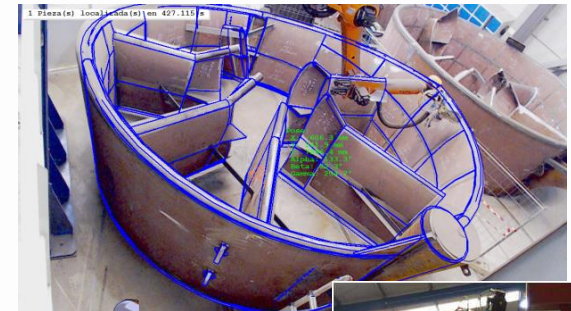
Cataboy Facilities  
Laser Applications Centre



Ample catalog of Services  
Labs and Research Facilities

- Multidisciplinary competences from our core:

- Advanced Materials
- Flexible Manufacturing Systems
- Robotics, sensorics, machine vision
- Laser Based Manufacturing
- Precision Engineering
- Surface Engineering
- Environmental Technologies

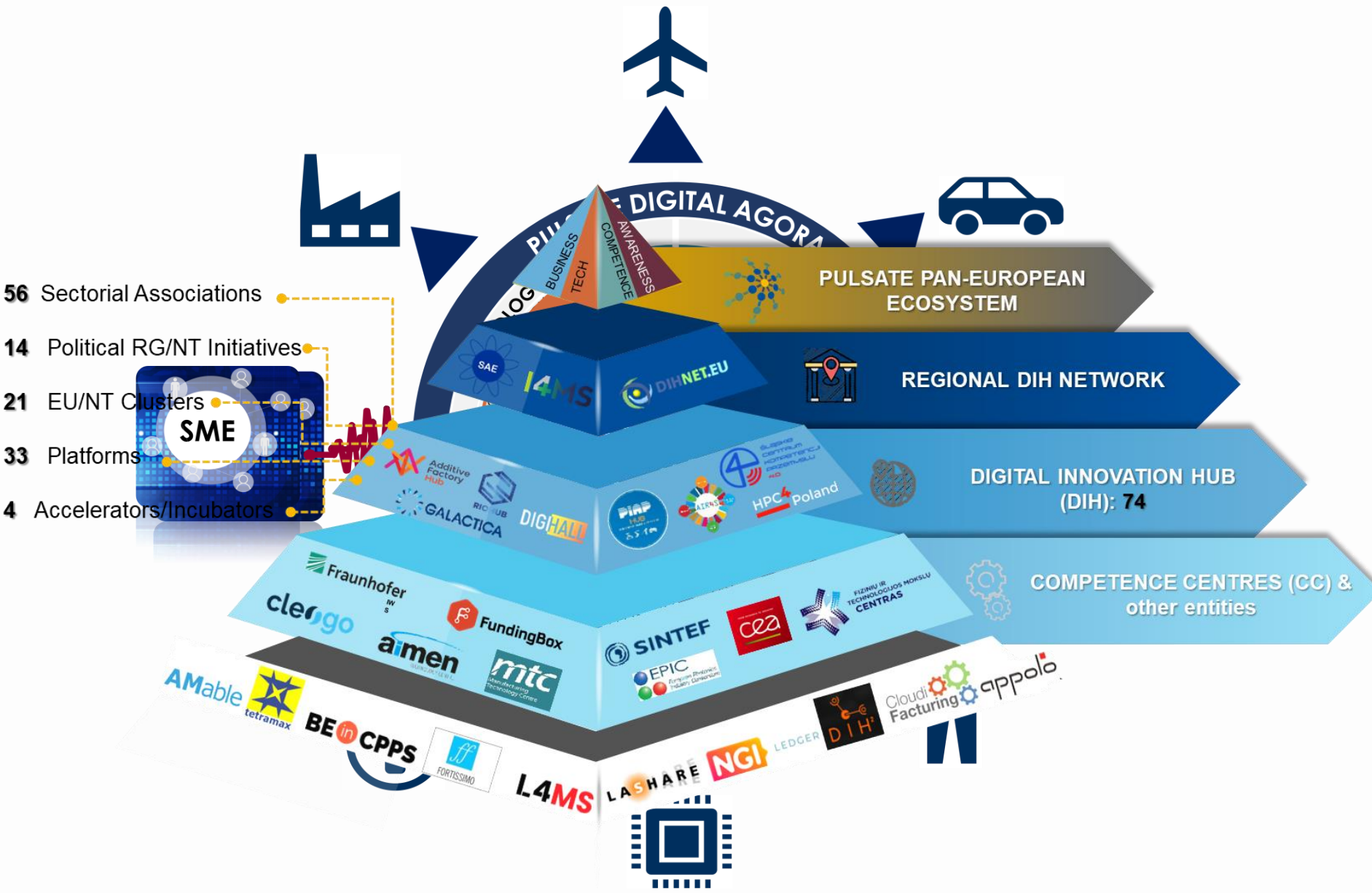




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competences in laser-based advanced and







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Open Calls and Opportunities  
for the Laser Manufacturing Community



# Pulsate

## Support to Third Parties:

- Direct financial contribution to SMEs or slightly bigger companies.
- In Kind Contribution from the Consortium (Test, support, consulting) + Mentoring.
- Two different kinds of highly focused actions for SMEs:

## Technology Transfer Experiments (TTEs):

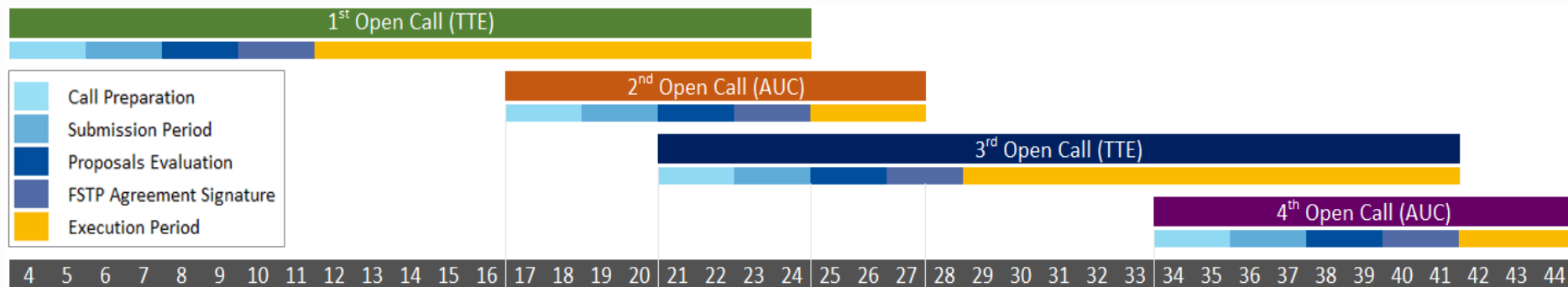
Technoeconomical validation of innovations in laser-based equipment for advanced and additive manufacturing. Tech. supplier+ End-user. 13 months. Up to 150 k€ lump sum.

Phases: Technology Development; Proof of concept; Scalability/Users acceptance.

## Adopter Use Cases (AUCs):

Assessment of technology uptake. Economic Feasibility. End-user. 3 months. Up to 25 k€ lump sum.

*Total of 20 TTEs and >40 AUCs expected during the project. 4M€ Funding + 1M€ In Kind*







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**Thanks for your attention**

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## Consortium:



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951998.



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