



AMIRES is a consulting company for research, development and innovation projects.

Our main strength is the creation of new international sustainable partnerships within innovation focused value chains.



“AMIRES provide support in strategically oriented innovations = business impact”

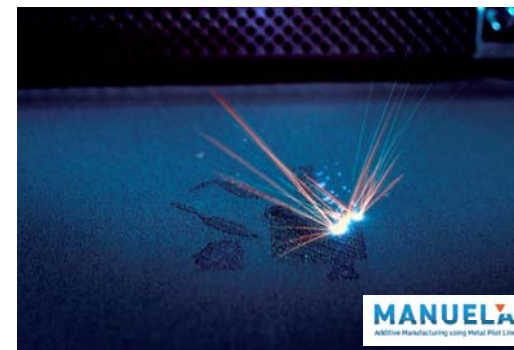
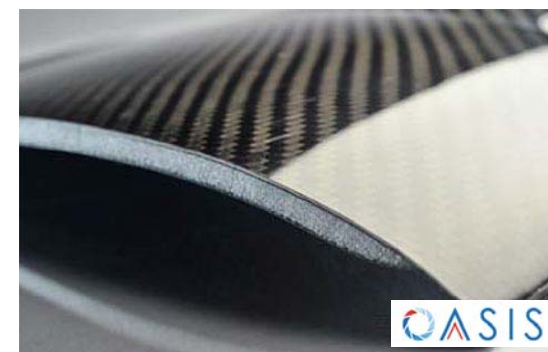


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www.amires.eu



AMIRES portfolio of pilot lines, Digital Innovation Hubs and OITBs.



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These project has received funding from the European Union's Horizon 2020 research and innovation



MANUELA

Additive Manufacturing using Metal Pilot Line



Start: 10/2018 End: 09/2022 Funding: € 12.4 M Call: H2020-NMBP-2018

- Merged manufacturing capacity, technological know-how and facilities of European leaders
- Creation of a world-class pilot line manufacturing service for Additive Manufacturing in metals
- Open access for European industry
- 6 industrial top-end show cases
- 20 pilot cases targeting SME 's and mid-caps

Interested to participate as pilot case?

Contact us

CHALMERS
UNIVERSITY OF TECHNOLOGY

csem

Osai
automation systems

FAU
FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG



ABB

**RI
SE**

Höganäs

SIEMENS

MSC Software

CARDIFF
UNIVERSITY

EOS

RUAG enel

CHALMERS
INDUSTRIEKNIK

CEIT biomedical
engineering

QIOPTIQ
Photonics for Innovation

METAS

OEEB
Lavorazioni meccaniche di precisione

AMTRES

Website: www.manuela-project.eu

AMTRES

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n°820774.





- nano-enabled multifunctional lightweight composites
- **polymer-matrix and aluminium composites**
- manufacturing capacity of **12 pilot lines** for the industrial production of nanoscale structures in **unprocessed form, intermediate products with nanoscale features and nano-enabled products**
- other complementary technical (**modelling, characterization, toxicology, life cycle assessment**) and non-technical services (**Business innovation coaching, business planning, access to capital**)

Interested to participate as pilot case? Contact us!



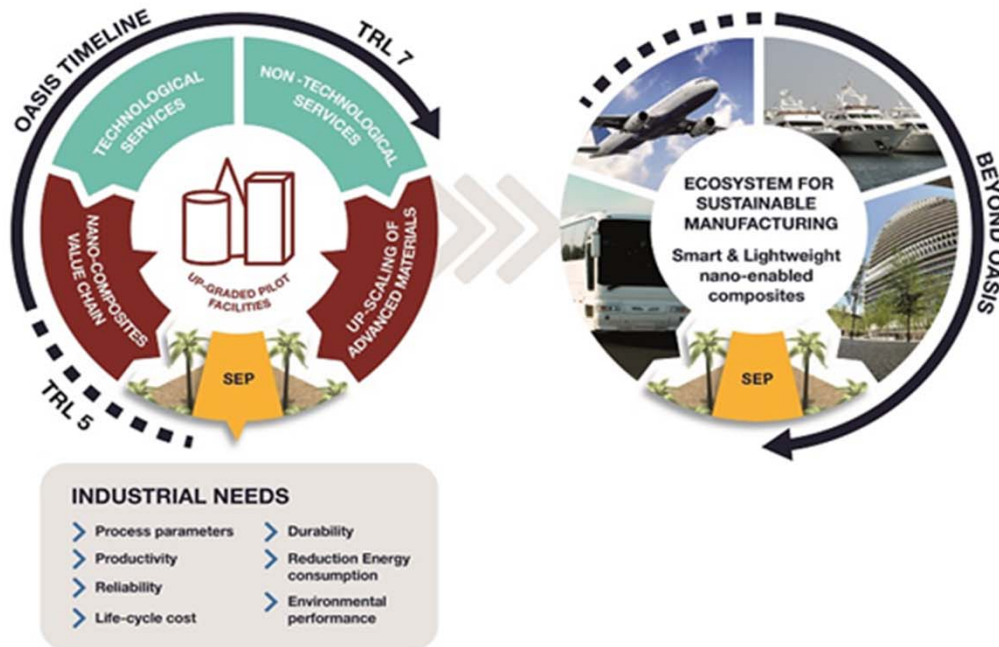


- OASIS OITB objectives that will be validated through 6 Showcases:
 - **Consistency of manufacturing:** 90% of reproducibility and reliability
 - Materials functionalities of the final products **answering the industrial needs** (enhanced mechanical and electrical performances, tracing, sensing, fire resistance, etc.)
 - **Sustainable pilot line production** criteria based on ISO 9001, ISO 14001 and ISO 45001
 - **Response time** to analyse the customers' requests and then to produce the prototype
 - Evaluation of the **production price** of outcoming materials and products in agreement with the market needs
 - Ability to provide a **complete offer to the customers' requests** throughout the value chain and including non-technical services





OASIS ecosystem for SUSTAINABLE pilot production



OASIS' goal is to generate **4 times the investment** done through the project in a 5 years period after the end of the grant (cumulative revenues around 50M€).

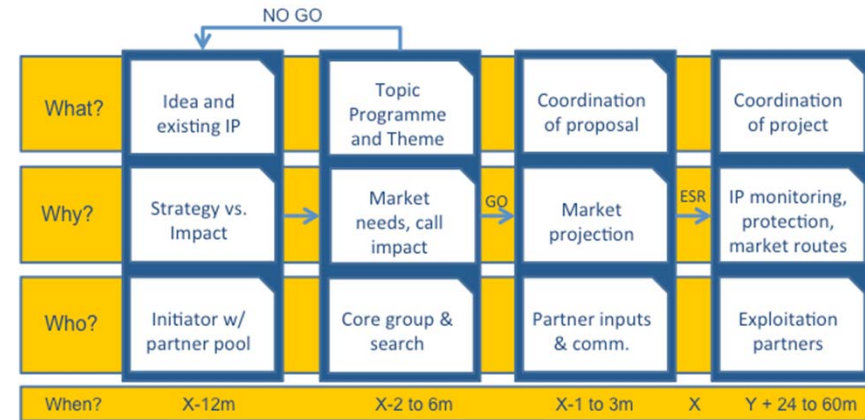
Main revenue streams, apart from the **services** themselves, should be coming from **royalties** and **technological licencing of assets**.



Challenges



- Scope, infrastructure (industry)
- Openness of the industrial facilities
- Impact bringing applications
- SMEs and their involvement
- Establishing link with other clusters, pilots and OITBs
- Motivation for SEP, service liability, sustainability!
- Replication possibility





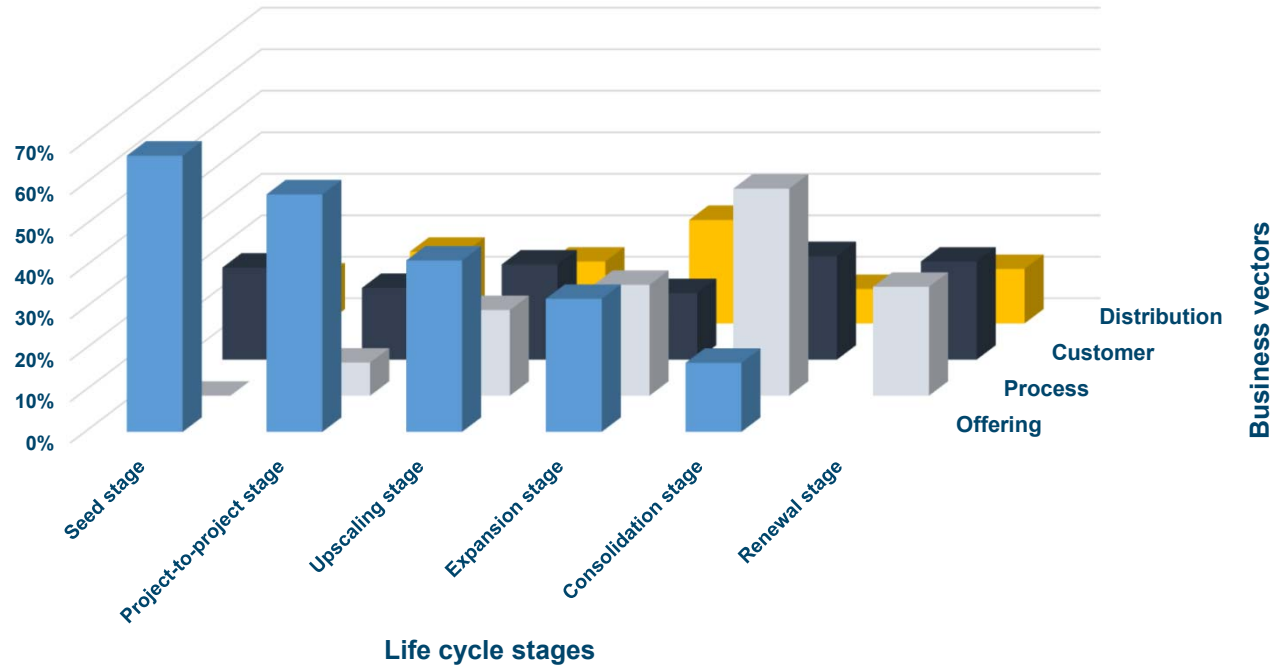
Replication

- “Products” developed for clients marketed in the market place (**enable fastest adoption, low customization**);
- Technologies developed for developed for clients, but enabled for other market segments, e.g. ski to wakeboard (**medium adoption, medium customization**);
- Technologies (modules) developed for no specific customer, therefore no exclusivity (**allow slow adoption, but high customization**).

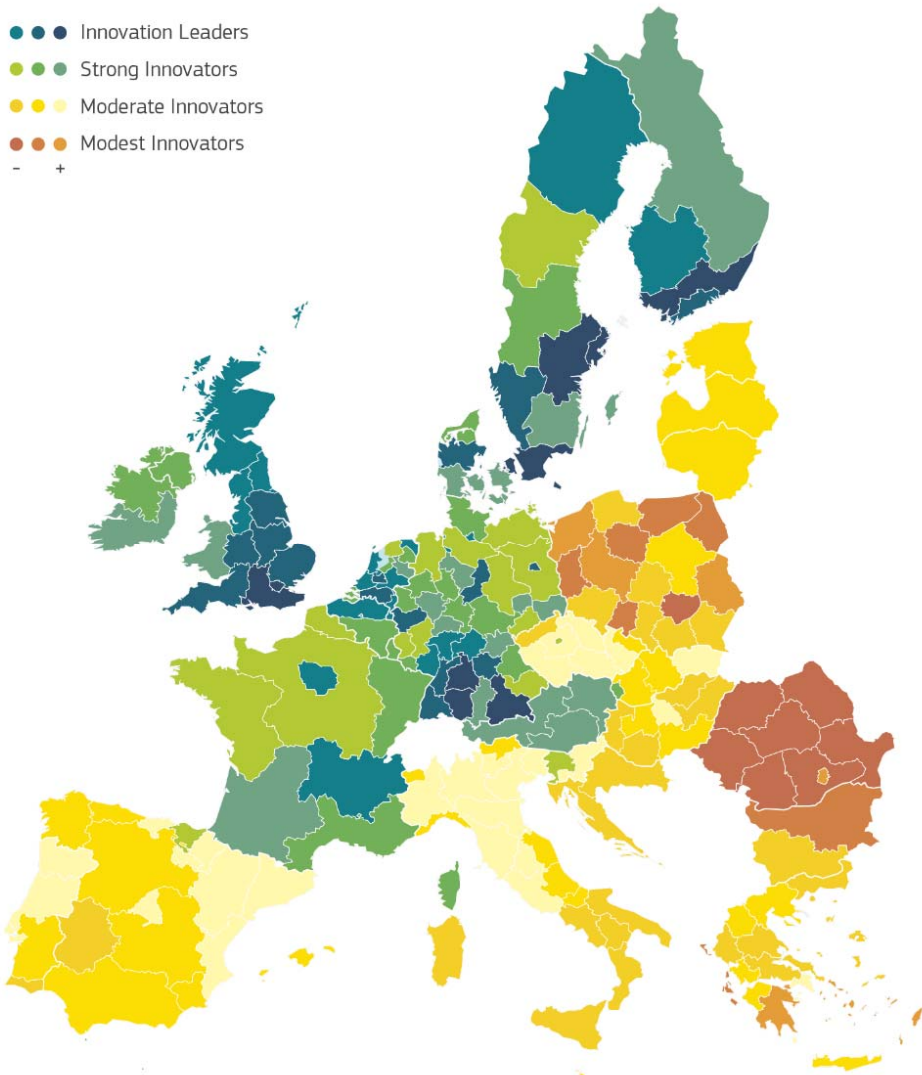


To boost innovation?

- Avoid fragmentation (SMEs targeted)
- Openness, flexibility, accessibility – micro-grants
- Cascade funding for SMEs?
- Regional involvement



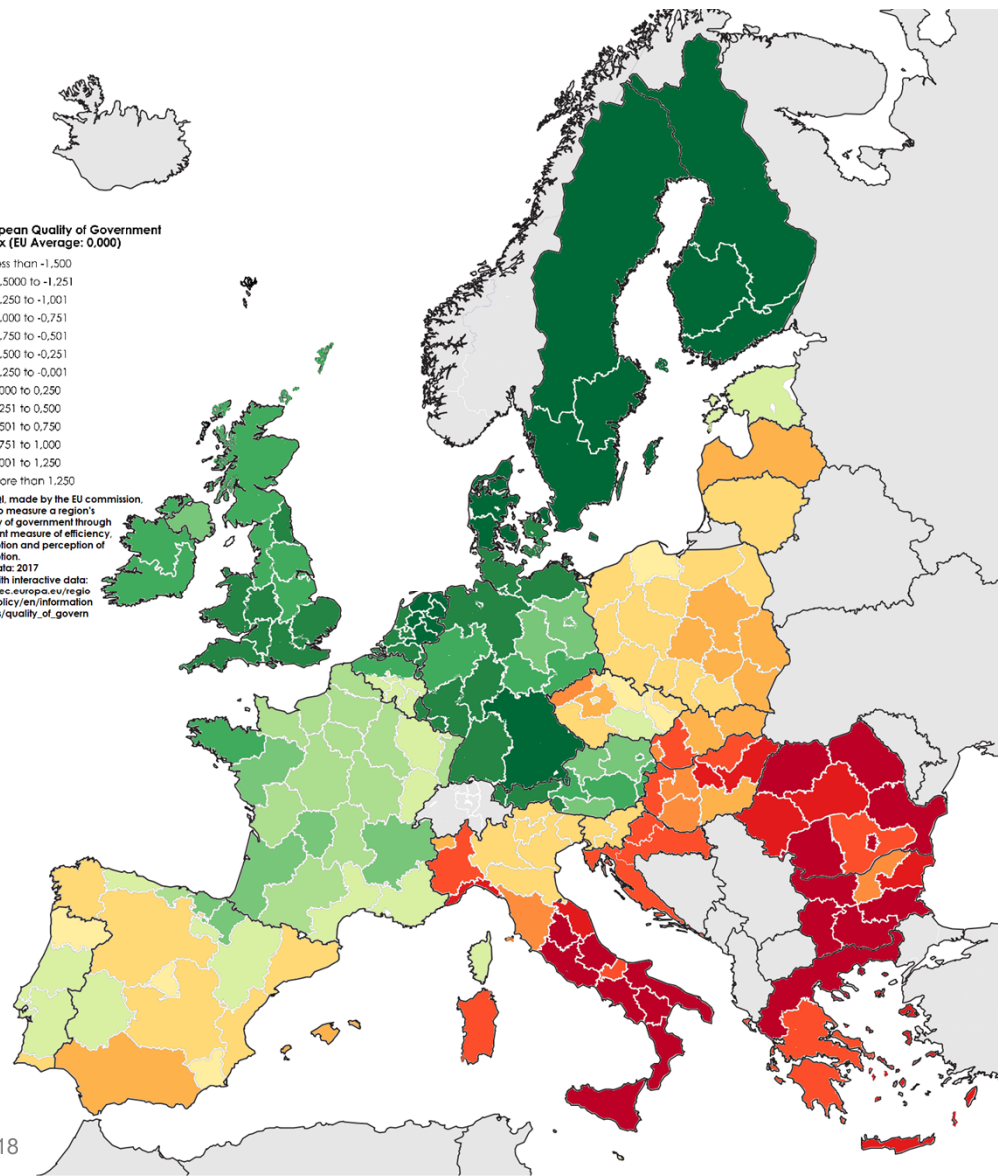
- Innovation Leaders
- Strong Innovators
- Moderate Innovators
- Modest Innovators
- +



European Quality of Government Index (EU Average: 0,000)

- Less than -1,500
- -1,500 to -1,251
- -1,250 to -1,001
- -1,000 to -0,751
- -0,750 to -0,501
- -0,500 to -0,251
- -0,250 to -0,001
- 0,000 to 0,250
- 0,251 to 0,500
- 0,501 to 0,750
- 0,751 to 1,000
- 1,001 to 1,250
- More than 1,250

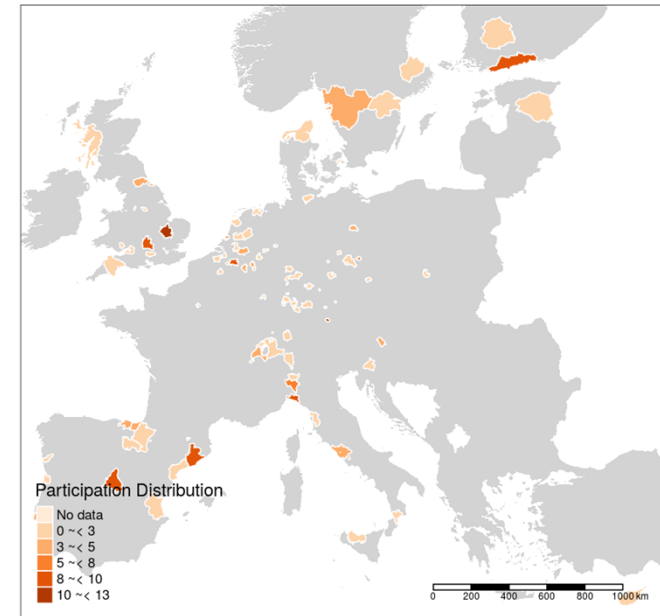
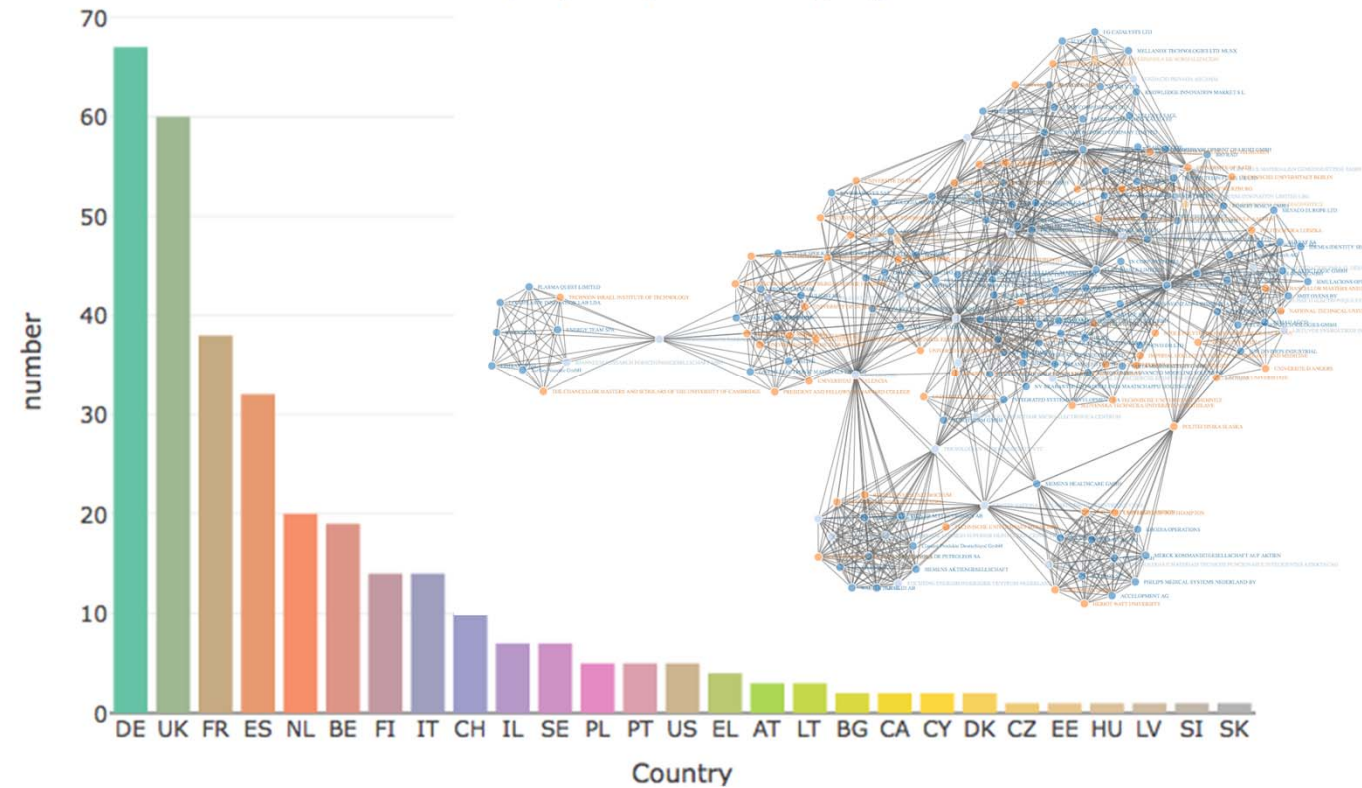
The EQGI, made by the EU commission, aims to measure a region's quality of government through different measure of efficiency, corruption and perception of corruption.
 Last date: 2017
 Link with interactive data: http://ec.europa.eu/regional_policy/en/information/maps/quality_of_governance





AmiPLEXUS – Ecosystem mapping tool

number of projects per country/region





Thank you!

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