



Integrated EU strategy, services and International coordination activities for the promotion of competitive and sustainable nanofabrication industry.

15 April 2021 10:30-13:15

SUSNANOFAB Networking Meeting



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 882506.



Aim of the Venue

The goal of the **SUSNANOFAB Networking meeting** is to facilitate synergies between industrial and research. This will be done by one-on-one sessions between industrial, research partners, organizations, and investors. These sessions will support sustainable technologies and services by bridging the gaps in the product development chain.

Please apply for holding a booth in this meeting!



SUSNANOFAB Networking Meeting



AGENDA

Time: 10,30 – 13:15 CET

When: 15th April 2021

Location: online

Tools: Airmeet.com



Time	Activity
10,30	Welcome to the meeting and SUSNANOFAB Project introduction Speaker: Margherita Cioffi, Industry Innovation Strategy, RINA
10:55	Silicon manufacturing technology for the next growth wave of the Solar Industry in Europe. A perspective of industrial collaboration. Speaker: Maarten den Heijer, RGS Development
11:15	Nanofabrication Pilot Facilities enabling manufacturing upscaling of sustainable products Speaker: Ane Irazustabarrena, Industry and Transport Division, TECNALIA
11:35	Enabling the future: Nanofabrication with the Fraunhofer Network Nanotechnology Speaker: Prof. Gunter Tovar, Fraunhofer Network Nanotechnology
11:55	Coffee Break
12:10	Brokerage Event: promoting your nanofabrication technology, product or service!
13:15	Lunch pause

Speakers

- **Dr. Margherita Cioffi**
- European Programmes Manager, Industry Innovation Strategy group
- RINA Consulting SpA (<https://www.rina.org>)
- PhD in Biomedical Engineering
- Job activities: Coordinator of SUSNANOFAB Project. Expert in strategic roadmapping in nanotechnology and advanced materials area in private and public projects. Senior Proposal Manager for European-funded calls.
- **Presentation Topic:** SUSNANOFAB brief project presentation, highlighting the roadmapping activities, the training and brokerage services and the digital platform tools.



Speakers



- **Ir. Maarten den Heijer**
- Msc in Mechanical Engineering, CEO and co-founder of RGS Development B.V., co-founder battery material spin-out E-magy B.V.
- **Profile** : Technology scale-up entrepreneur. Bridging business and technology, with long-year executive mileage in high tech industries like Aerospace, Power solutions, Solar , Batteries.
- **RGS Development** (www.rgsdevelopment.nl). Silicon technology specialist company ; operating a wafer casting pilot factory in NL, spin-out from ECN in 2005
- **Presentation Topic:** Silicon manufacturing technology for the next growth wave of the Solar Industry in Europe. A perspective of industrial collaboration.



Speakers



- **Ms. Ane Irazustabarrena**
- European Programmes Manager, Industry & Transport Division
- TECNALIA (<https://www.tecnalia.com>)
- MsC in Advanced Chemistry (Univ. of Kent. Canterbury)
- Job activities: Expert in strategic innovation investments for value generation in manufacturing, nanotechnology and advanced materials area in public projects. Senior Proposal Manager for European-funded calls (EFEVE, EDEFU..).
- **Presentation Topic:** Nanofabrication Pilot Facilities enabling manufacturing upscaling of sustainable products.



Speakers

- **Prof. Dr. Günter E.M. TOVAR**
- Spokesman Fraunhofer Network Nanotechnology
- www.nano.fraunhofer.de
- PhD in Chemistry and Physics, Habilitation in Physical Chemistry
- Job activities: Spokesman Fraunhofer Network Nanotechnology. Expert for interdisciplinary research in nanotechnology and advanced materials in private and public projects. Professor at University of Stuttgart.
- **Presentation Topic:** Nanofabrication at Fraunhofer Network Nanotechnology, highlighting research and innovation and exemplary products.





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THANK YOU





and its links with standardization activities

Margherita Cioffi – RINA Consulting SpA
SUSNANOFAB Coordinator



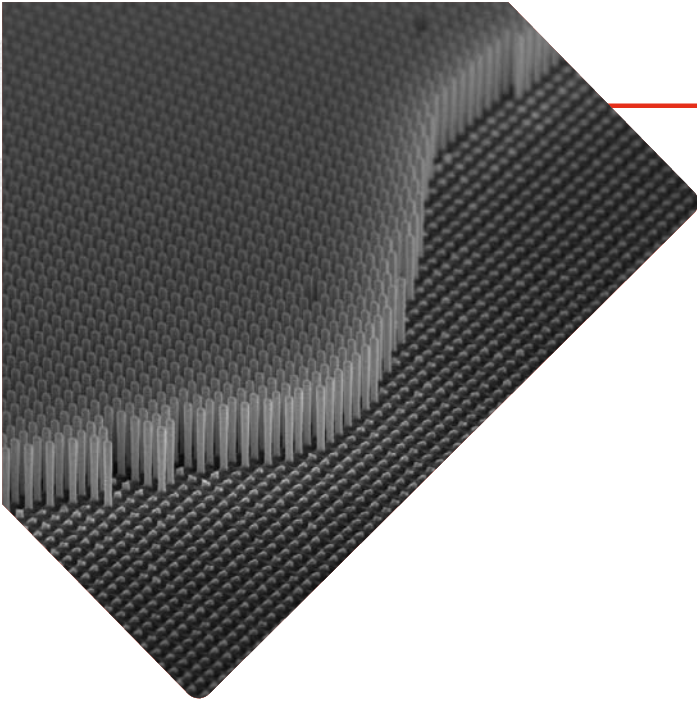
CEN/TC 352 Meeting – 16 October 2020



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Project at a glance



Project Acronym: SUSNANOFAB

Project Name: INTEGRATED EU STRATEGY, SERVICES AND INTERNATIONAL COORDINATION ACTIVITIES FOR THE PROMOTION OF COMPETITIVE AND SUSTAINABLE NANOFABRICATION INDUSTRY

Ref. Number: 882506

Call identifier: H2020-NMBP-TO-IND-CSA-2019

Start Date: 1-March-2020

End Date: 28 –February- 2023 (36 months)

- ✓ Analysis of nanofabrication ecosystem
- ✓ Cooperation groups
- ✓ Roadmap to identify:
 - High priority future common research needs, including standardization gaps
 - Strategic cooperation actions
- ✓ International cooperation
- ✓ Development of the SUSNANOFAB digital platform
 - Data exchange with other pan-European initiatives
- ✓ Repository of best practices
- ✓ Identification of:
 - Knowledge & skills gaps and training needs of nanofabrication stakeholders
 - Technology and service needs and planning and deploying brokerage services
- ✓ Organisation of networking events



Project Abstract



Nanofabrication has the potential to make a significant impact in a multitude of diverse areas and to tackle major socio-economic challenges for an ever improving yet affordable health care, higher standards of living and quality consumer goods, cleaner energy and transport.



Given the above mentioned potential of nanofabrication, the present project **SUSNANOFAB** tackles **key nanofabrication technological and non-technological issues of the nanofabrication value chain**, facilitating interactions among stakeholders. The global target of SUSNANOFAB project is to put in place an integrated concerted action on nanofabrication sustainable in the long term.



At **strategic level** the project will find a common strategy to enable all pre-competitive conditions for successful market uptake of nanofabricated products and solutions. This will be reached using a structured **roadmapping methodology** and **involving external experts in Coordination Groups**.

Project Abstract



At **operational and end-users' level**, the project will provide affordable services and easy access point to infrastructures and knowledge to EU stakeholders, and in particular to SMEs. This will be reached using different integrated methodologies such as the organisation of a **large set of training and brokerage** workshops and services and the development of a **Digital Platform, which will perform in an interoperable manner with ongoing platforms and initiatives (e.g. the European Network for Pilot Production Facilities and Innovation Hubs, the European Material Modelling Council etc.)**.



To promote international cooperation SUSNANOFAB Consortium includes **3 US partners** not requesting EU funding. To involve high number of key actors, the project has already achieved the support of several companies, research and education establishments, European Technology Platforms, clusters and industrial associations, national, regional and international nanofabrication related entities.

Overall Project Concept

STRATEGIC
LEVEL



CG1

Nanofabrication aspects from design to manufacturing upscaling



CG2

Environmental Sustainability, Health & Ethics



CG3

Future skills & Capabilities



Roadmap for an EU wide strategy on nanofabrication

OPERATIONAL
LEVEL



DIGITAL PLATFORM

- EU Database with access to Multiple Networks
- Cooperation on standardisation activities
- Promotion of best practises
- Brokerage services
- Training services
- Support activity



Overall Project Concept

PROJECT TARGET SECTORS





Overall Project Concept

CROSS-CUTTING LINKED INITIATIVES

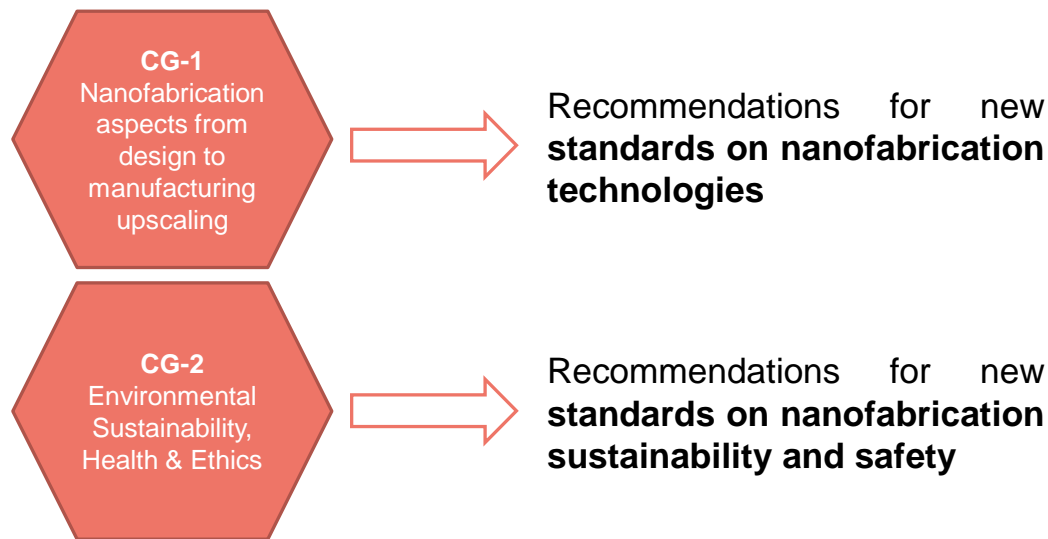


L'Europa alla portata della vostra impresa



Standardization Activities

- ✓ Nanofabrication standardization activity plays a relevant role in the SUSNANOFAB project:
 - Two Coordination Groups are also involved in this action with the aim to identify missing links, missing standards or missing topics in this field with the scope to define a series of recommendations or suggestions for new standards.



The Coordination Groups are formed by **Experts from EU and USA** with a good diversity of backgrounds.



Due to COVID-19 travels restriction, the CG meeting will be carried out remotely.



Contact SUSNANOFAB coordinator to take part in the CG meetings!

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Activities and Next Steps

- ✓ What we did after six months of project
 - Mapping of the nanofabrication ecosystem:
 - Landscape of nanofabrication in target sectors
 - Analysis of the existing relevant programmes, projects and initiatives
 - Integrated map of EU and international stakeholders in nanofabrication

- ✓ What we are going to do in the next months
 - Activation of the Coordination Groups with meetings and networking events
 - Definition of the SUSNANOFAB Roadmap, an EU wide strategy on nanofabrication
 - Activation of the brokerage and training services
 - Development of the SUSNANOFAB Digital Platform



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