

# Development of EMNs and new EMNs

## General Assembly 2021 - plenary session -

Jörn Stenger



Smart  
Specialisation  
in Northern  
Europe

# Role of EMN's



The overall objective is to **create sustainable structures in areas of strategic importance for the future of European metrology.**



## EMNs will ...

- cover an area of major strategic importance, with **European dimension**;
- consist of a core network of NMIs/DIs with a **clear commitment** to contribute to the network;
- establish close links to a wider **stakeholder community**;
- strive for **scientific excellence**;
- plan the activities based on a **strategic agenda**;
- establish a **knowledge, technology transfer and promotion plan**;
- plan for **sustainable structures**;
- develop and coordinate **common infrastructure** if needed

The strategic importance of EMN's has grown under the latest key developments

- **EURAMET 2030 Strategy**
    - EMN's are explicitly described
  
  - **Partnership on Metrology**
    - EMN's are explicitly requested
- **We want and have to deliver**

# Approved EMNs



	Title	Contact Person	
1	Climate and Ocean Observation (COO)	Emma Woolliams (NPL)	
2	Energy Gases (EG)	Annarita Baldan (VSL)	
3	Mathematics and Statistics (MM)	Markus Bär (PTB)	
4	Quantum Technologies (QT)	Ivo Degiovanni (INRIM)	
5	Smart Electricity Grids (SEG)	Gert Rietveld (VSL)	
6	Traceability in Laboratory Medicine (TLM)	Rainer Stosch (PTB)	
7	Smart Specialisation in Northern Europe	Jan Johansson (RISE)	
8	Radiation Protection	Annette Röttger (PTB)	
9	Advanced Manufacturing	Harald Bosse (PTB)	

# EMNs considered 2022



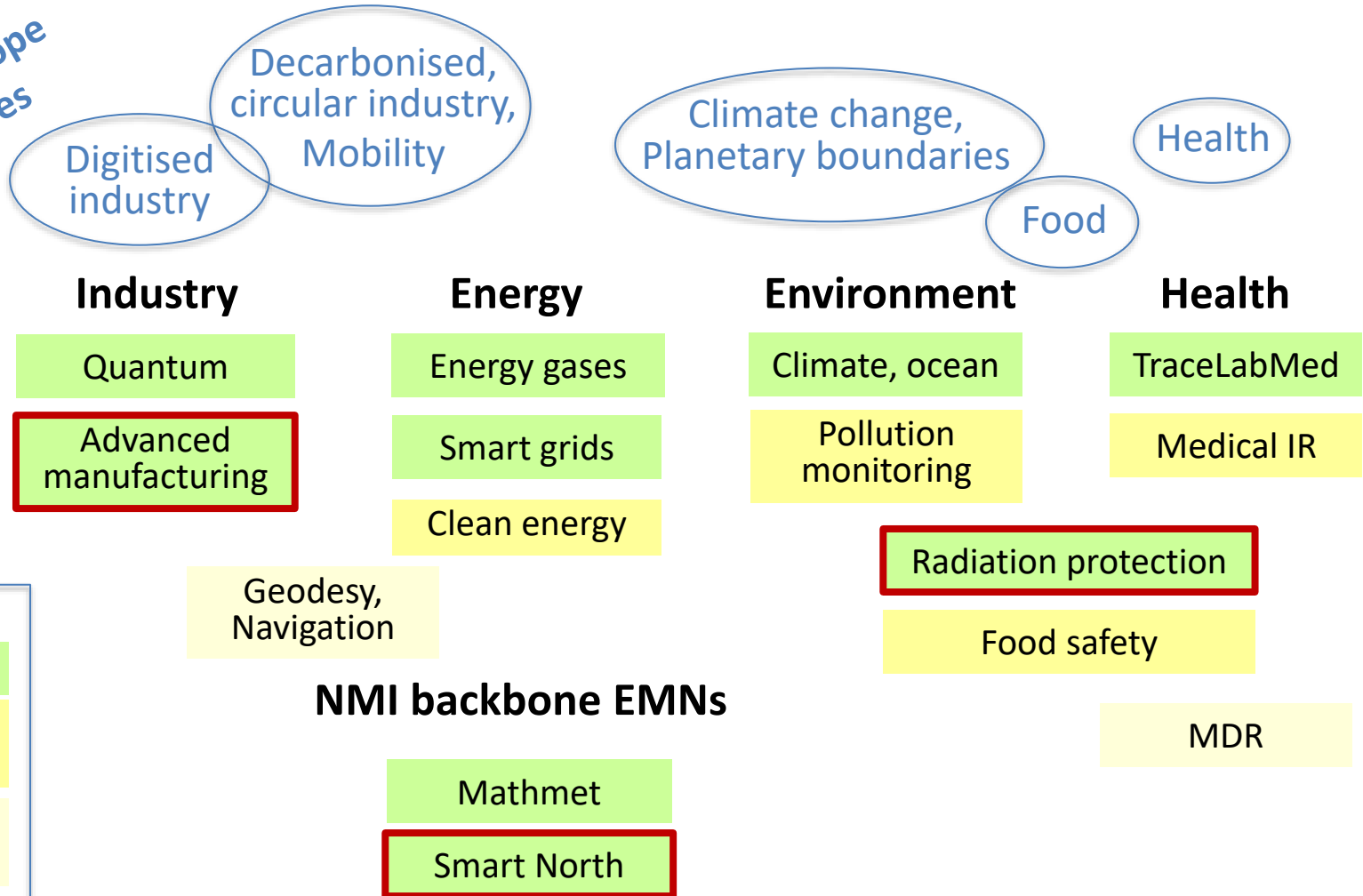
	<b>Title</b>	<b>Contact Person</b>	
1	Medical use of Ionising Radiation	Valentin Blideanu (LNE)	JNP in progress
2	Clean Energy	Fabian Plag (PTB)	JNP in progress
3	Food Safety	Andrea Rossi (INRIM)	JNP in progress
4	Pollution monitoring	Raphaël Maillard (LNE)	JNP in progress
5	Smart Specialisation in Latin Region	Carmen Garcia Izquierdo (CEM)	
6	Medical device regulation	Dominik Prazak (CMI)	
7	Geodesy, Navigation, Timing and Positioning	Sten Bergstrand (RISE)	

# EMN Landscape

## Thematic categories

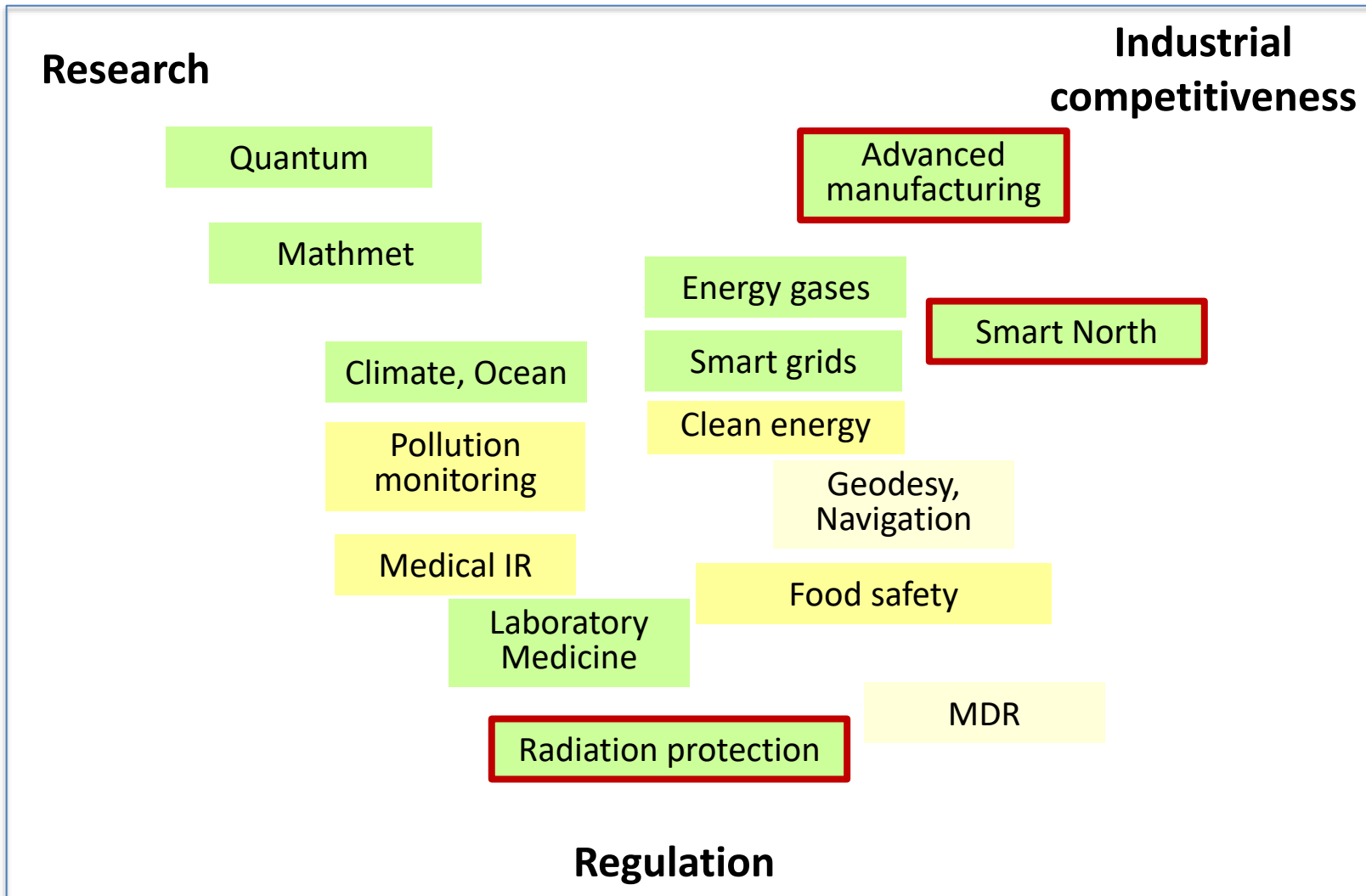


Horizon Europe categories



# EMN Landscape

Application triangle



# Presentations



EMN "Smart North"

Jan Johansson

EMN "Radiation Protection"

Annette Röttger

EMN "Advanced Manufacturing"

Harald Bosse