

General overview of the EMN Concept

EMN Kick off meeting
23rd June 2021

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Smart
Specialisation
in Northern
Europe

Approved EMNs



No	Title	Chair/Champion	Website
1	Advanced Manufacturing	Harald Bosse (PTB)	In preparation
2	Climate and Ocean Observation (COO)	Emma Woolliams (NPL)	www.euramet.org/climate-ocean
3	Energy Gases (EG)	Annarita Baldan (VSL)	www.euramet.org/energy-gases
4	Mathematics and Statistics (MM)	Markus Bär (PTB)	www.euramet.org/mathmet
5	Quantum Technologies (QT)	Ivo Degiovanni (INRIM)	www.euramet.org/quantum-technologies
6	Radiation Protection	Annette Röttger (PTB)	In preparation
7	Smart Electricity Grids (SEG)	Gert Rietveld (VSL)	www.euramet.org/smart-grids
8	Traceability in Laboratory Medicine (TLM)	Rainer Stosch (PTB)	www.euramet.org/laboratory-medicine
9	Smart Specialisation in Northern Europe	Jan Johansson (RISE)	https://www.euramet.org/smart-north

EMNs considered 2021/22



No	Title	Contact Person	
1	Medical use of Ionising Radiation	Valentin Blideanu (LNE)	JNP in progress, EMN proposal in 2022
2	Clean Energy	Fabian Plag (PTB)	JNP in progress, EMN proposal in 2022
3	Food Safety	Andrea M. Rossi (INRIM)	JNP in progress, EMN proposal in 2022
4	Pollution monitoring	Raphaël Maillard (LNE)	JNP in progress, EMN proposal in 2022
5	Smart Specialisation in Latin Region	Carmen Garcia Izquierdo (CEM)	
6	Medical device regulation	Dominik Prazak (CMI)	No JNP, EMN proposal in 2022
7	Geodesy, Navigating, Timing and Positioning	Sten Bergstrand (RISE)	No JNP, EMN proposal in 2022

GA-WG on EMNs



Function	Contact Person	Mentor for...
Member	Jörn Stenger (PTB)	EMN TraceLabMed; EMN MATHMET, Pollution Monitoring; Medical Device Regulation; Radiation protection
Member	Maguelonne Chambon (LNE)	EMN Climate and Ocean Observation; Medical use of Ionising Radiation
Convenor	Hans Arne Frøystein (JV)	EMN Energy Gases; EMN Smart Specialisation in Northern Europe
Member	Martti Heinonen (MIKES – VTT)	EMN Smart Electricity Grids; Advanced Manufacturing
Member	JT Janssen (NPL)	Clean Energy; Positioning, Navigation, Timing and Geodesy
Member	Maria Luisa Rastello (INRIM)	EMN Quantum Technologies; Food Safety
Standing Invitee	Duncan Jarvis (EURAMET)	
Standing Invitee	Thomas Damitz (EURAMET)	

European Metrology Networks



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

EURAMET Strategy 2030 and the Metrology Partnership



The EURAMET 2030 strategy and the Partnership on Metrology respond to the strategic priorities Horizon Europe

- Green Deal
- Digital Transformation, European industrial strategy
- Health

and include

- The new SI with associated technological developments
- Regulation analysis
- Capacity building needs

EURAMET Strategy 2030 Objectives

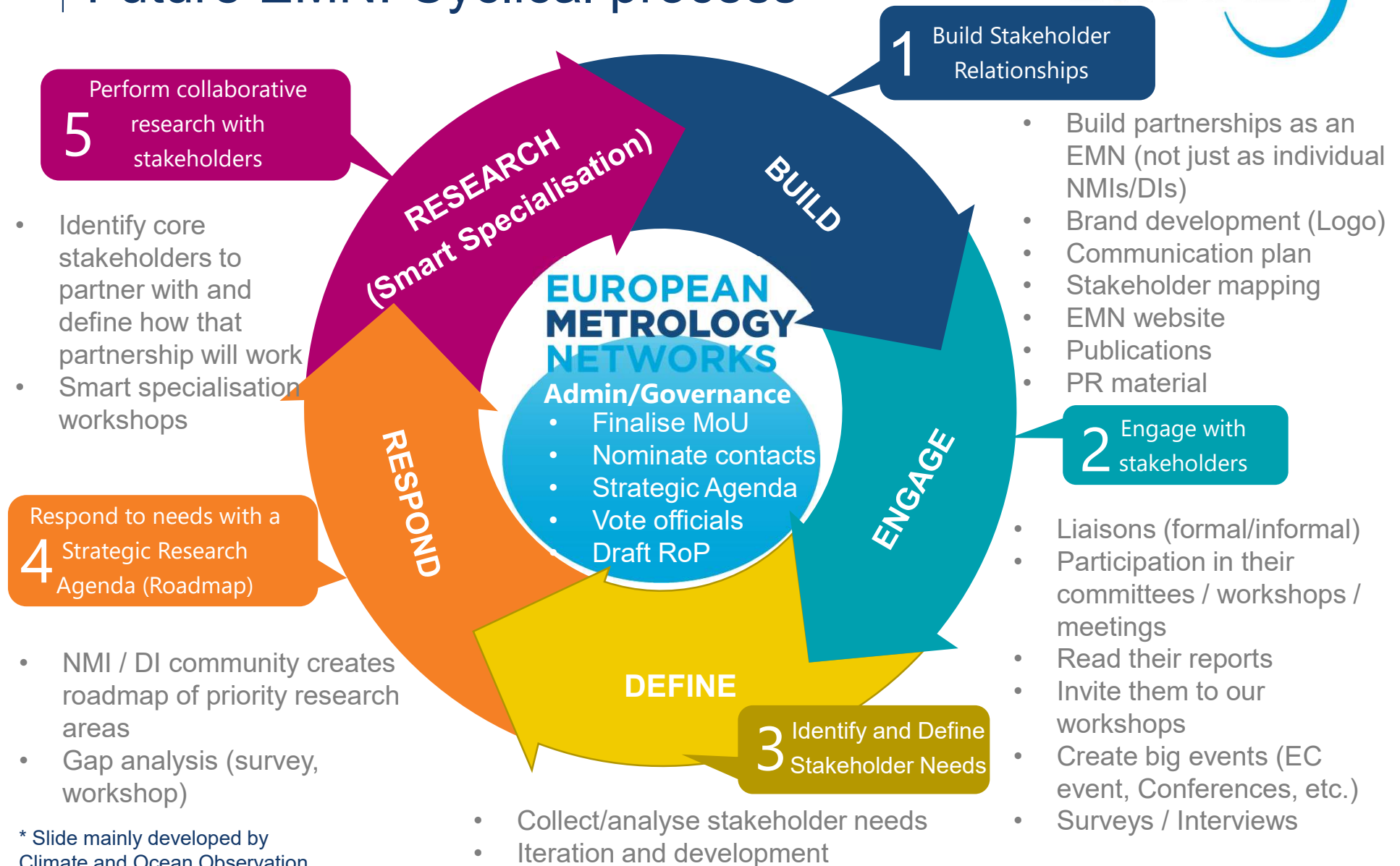
→ and what is new



- x** 1. Engagement of stakeholders
→ esp. other Partnerships
- x** 2. Further develop co-operation in R&D
→ implement the Metrology Partnership
- x** 3. Supporting quality infrastructure in Europe and internationally
→ respond to new SI, digital transformation
- x** 4. Increase influence with European policy makers and nat. Gov's
→ develop impact on regulation
- x** 5. Deliver high value to members and associates

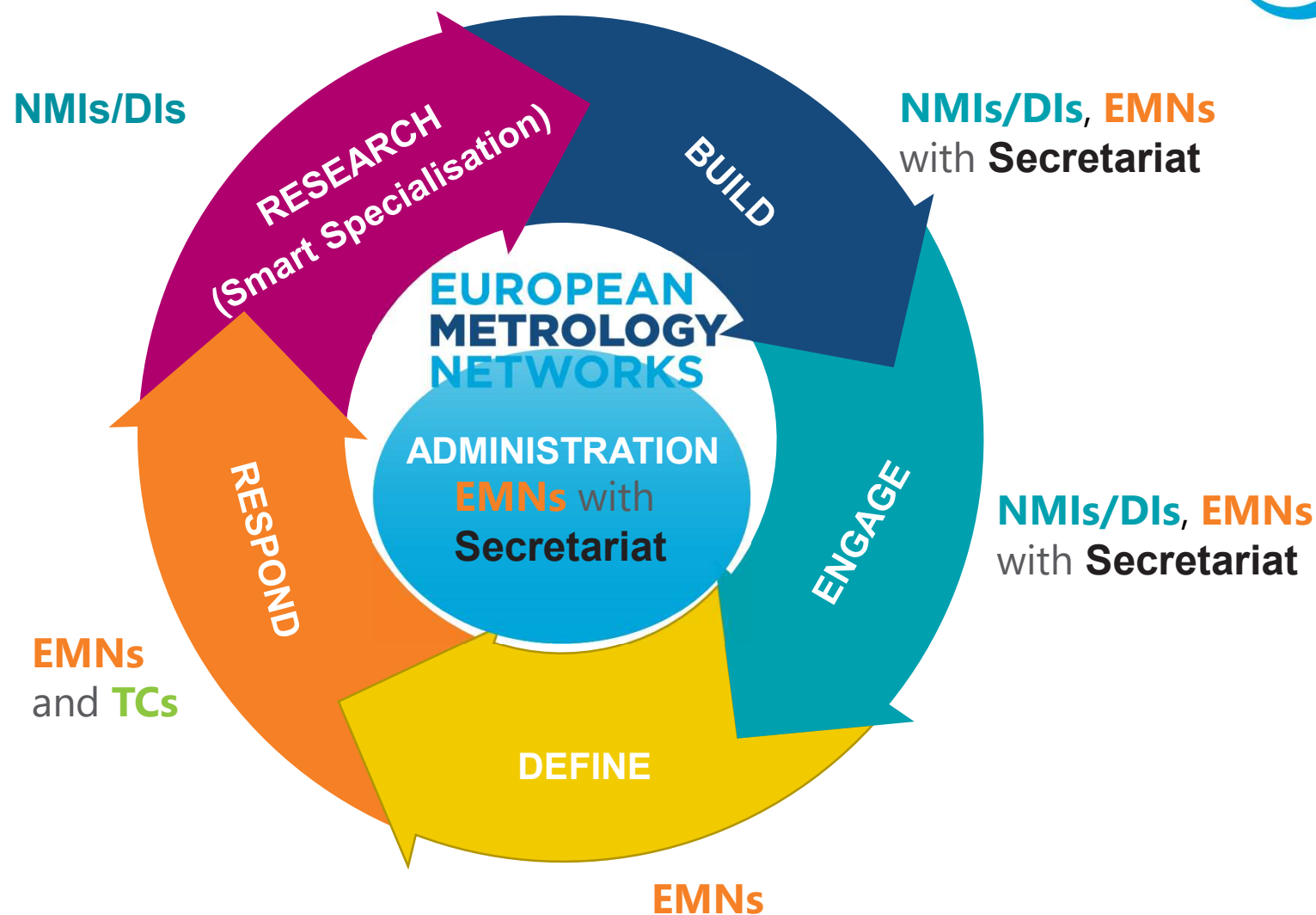
→ EMN's and TC's have key roles under this strategy!

Future EMN: Cyclical process*



* Slide mainly developed by
Climate and Ocean Observation

Cyclical process* - Who is leading what? **EURAMET**



* Slide mainly developed by
Climate and Ocean Observation

EMN Strategic Agenda 2020-2030 (SA)*

Audience: EURAMET, the EMN itself

Purpose: To set out the mission and vision of the EMN, and to set a high level overview of what the EMN will do.

- E.g. defining the cycle described above
- E.g. defining how the EMN will engage stakeholders in general
- E.g. defining the outline for the work plan



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Climate and Ocean Observation

EMN Strategic **Research** Agenda (SRA)*



Audience:

NMIs and DIs of Europe, secondary audience - stakeholders

Purpose:

To identify how metrology can support the stakeholder communities – so that the NMIs and DIs can prioritise their work



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Climate and Ocean Observation

Support from the Secretariat



Support Offered

- Stakeholder analysis and management (Stakeholder Mapping + excel stakeholder database)
- Communications
- Guidance for Strategic Research Agenda
- Knowledge transfer
- Administrative support

Recent Examples

- organised several events at the European Parliament
- International coronavirus response
- support 5+ EMNs in the redesigning of their websites
- Since 2017 annual NMIs/Dis – Directors workshops

Questions?

