

Developments within Eumetnet

**EWGLAM meeting
25th of September 2023,
Reykjavik (online presentation), Iceland**

Aline Kraai, EUMETNET FCAM



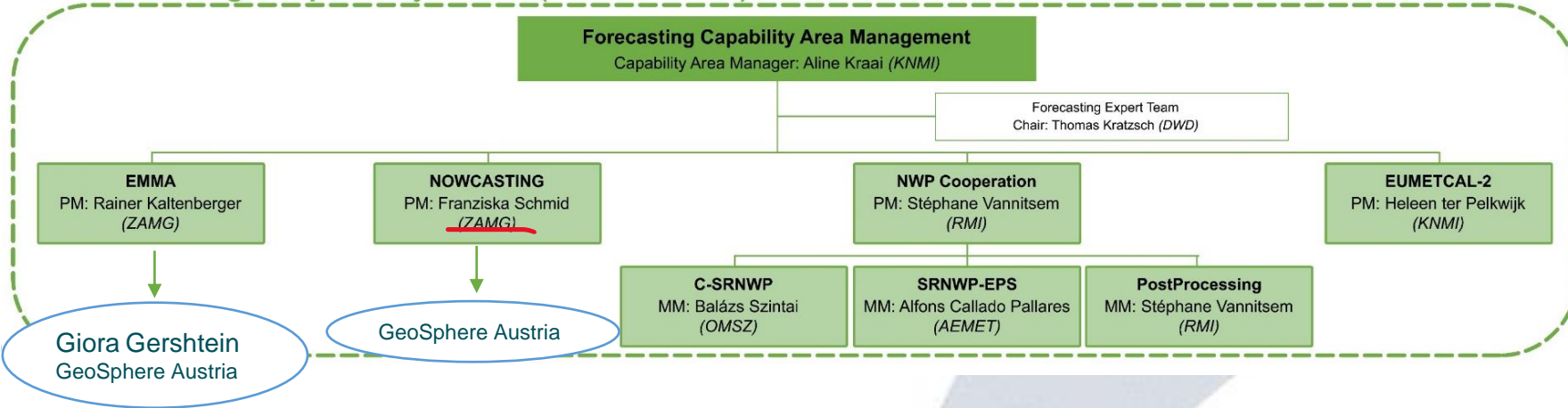
EUMETNET
EUROPEAN METEOROLOGICAL
SERVICES NETWORK

Forecasting Capability Area – next phase and furthermore

- New Programme Phase (2024-2028)
 - Current Programme phase ends 31/12/2023, new phase will start 01/01/2024.
- From Forecasting to Capacity Capability Area Programme

Forecasting Capability Area 2019-2023

Forecasting Capability Area (2019-2023)



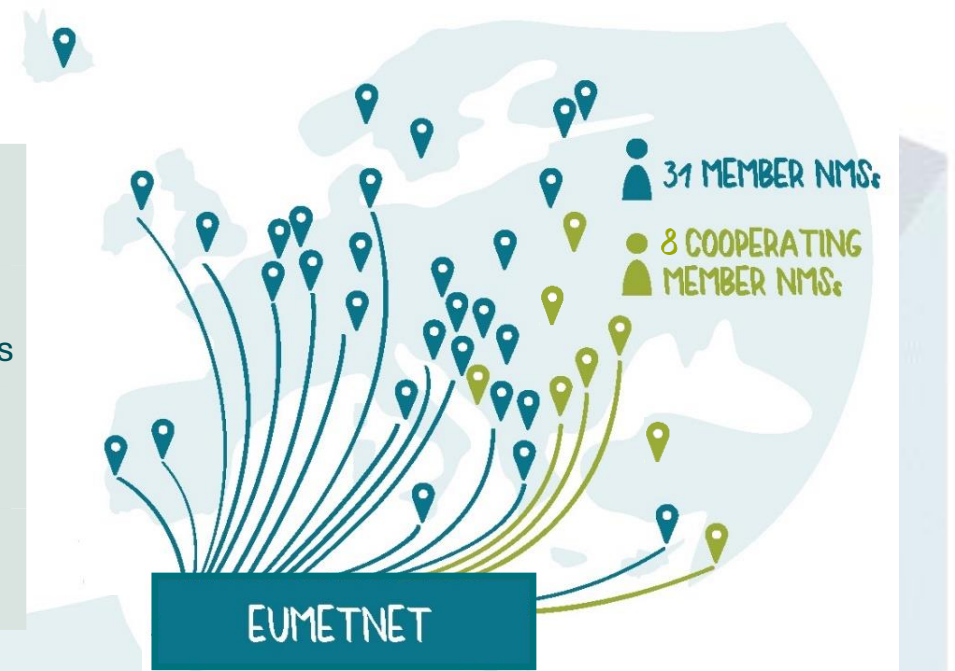
FCA MP consists of 4 Programmes, with 3 Modules:

- EMMA
- E-NWC
- NWP-C:
 - C-SRNWP Module
 - SRNWP-EPS Module
 - Post Processing Module
- EUMETCAL-2

New EUMETNET Structure

Strategic goals

- A. Collective observations, development of innovative observing methods and enabling access to third party observations to improve observations coverage
- B. Federated community approach to efficiently deliver high-quality and user-friendly weather- and climate-related information - data, products, and services
- C. Coordinated development and knowledge exchange to enhance Members' capacity for weather and climate-related services and advice for policymakers
- D. Effective policy support and collective representation of Members to promote and enable their missions and protect their collective interests



2022 – 2028 EUMETNET STRATEGIC GUIDELINES

PROGRAMMES

OBSERVATIONS

FORECASTING

OTHERS

Part of the preparation for the new Programme phase

OBSERVATIONS

INFORMATION

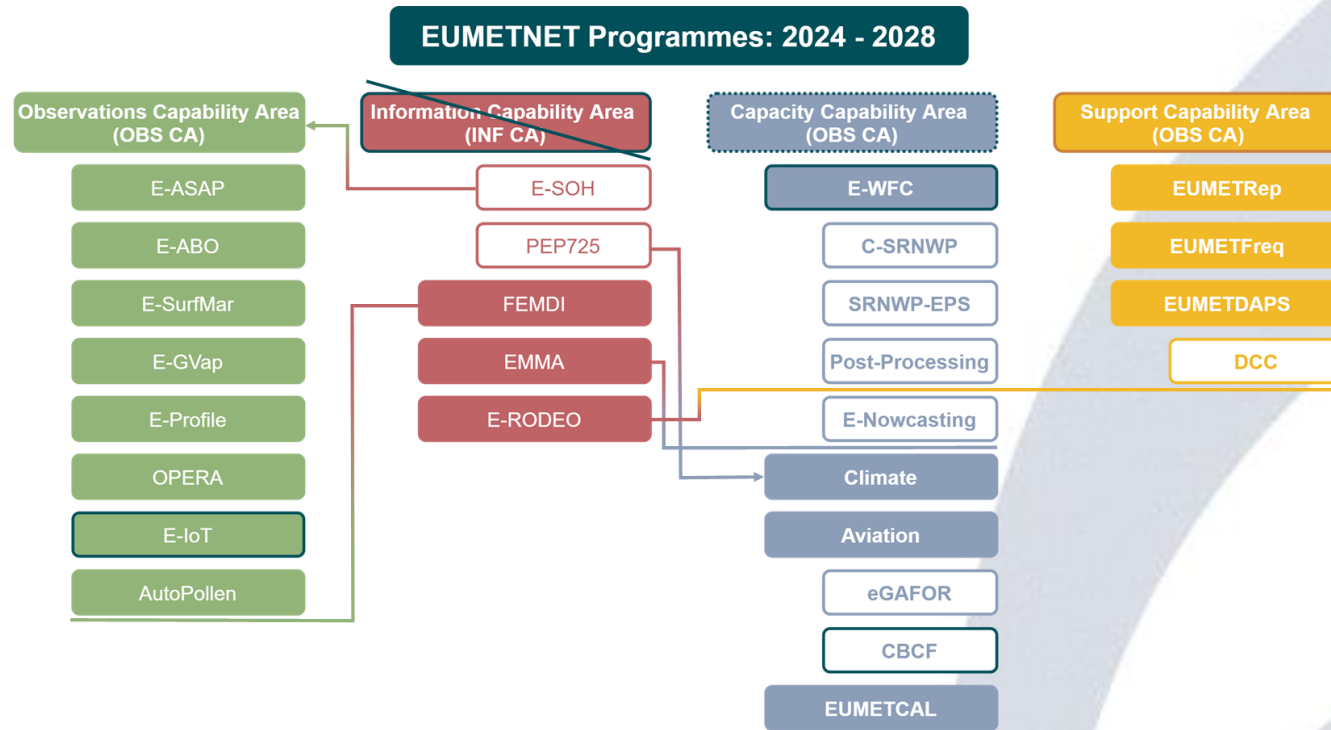
CAPACITY

SUPPORT

New EUMETNET Programme phase (2024 – 2028)

- The launch of the new Programme phase coincides with a number of challenges
 - ❑ Efficient provision of access to High-Value Datasets
 - ❑ Exploitation of novel data sources (e.g. IoT)
 - ❑ Transition towards impact-based forecasting and warnings
 - ❑ Use of artificial intelligence in weather and climate services
 - ❑ ...
- ... but it also coincides with HUGE inflation
- Inability to compensate for inflation requires careful prioritisation making savings whilst minimising the impact on Members' benefits.

Capacity Capability Area 2024-2028



CSA CA MP will consist of 5 Programmes with 7 Modules:

- Aviation Support Programme
 - eGAFOR
 - CBCF
- Climate
 - PEP725
 - EMMA
- EUMETCAL-2
- E-WFC
 - E-NWC Module
 - C-SRNWP Module
 - SRNWP-EPS Module
 - Post Processing Module

Capacity Capability Area Management Programme (CSA CA MP)

Short Description of the Programme

The focus of the Capacity Capability Area Management Programme (CSA CA MP) will be on:

- capacity building (exchange of knowledge, coordination of R&D)
- the coordination of the programmes and other activities within the CSA CA
- recognising emerging issues, new initiatives
- representing EUMETNET at forecasting related events
- ensuring that fellow Capability Area Manager are well-informed about the Programmes

Changes to the NWP Cooperation Programmes

NWP Cooperation

C-SRNWP

SRNWP-EPS

Post-Processing

E-Nowcasting

EUMETNET needs to:

- tackle forecasting activities in more seamlessly
- better address users'/forecasters' needs
- exploit synergies between related activities

E-WFC

Weather Forecasting Cooperation

C-SRNWP (OMSZ → DWD)

SRNWP-EPS (AEMET → ITAF-MET)

Post-Processing (RMI)

Nowcasting (GeoSphere Austria)

AI/ML and EUMETNET

- HoF- Heads of Forecasting

→ Different approaches regarding AI exist within NMHSs, but it was clear that further EUMETNET collaboration on AI is needed.

- Working Group on Cooperation of European Forecasters (WGCEF)

→ AI in role of forecasters will be discussed this week

- JOINT meeting October

→ Discussion on new Programme or Working Group on collaboration on AI/ML

Future of EUMETNET

- JOINT and Assembly meetings in Autumn: decisions on prioritization for next phase and discussion on AI/ML collaboration.

Many thanks to Balázs Szintai (and OMSZ) for his work on the C-SRNWP Programme for more than 9 years!

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**Thanks for your
attention !**

Questions ?



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