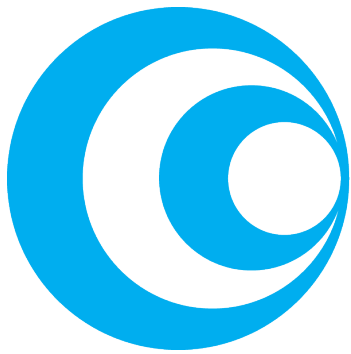




**The importance of European
cooperation for rainfall-induced
hazards.**



EUMETNET

EUROPEAN METEOROLOGICAL SERVICES NETWORK

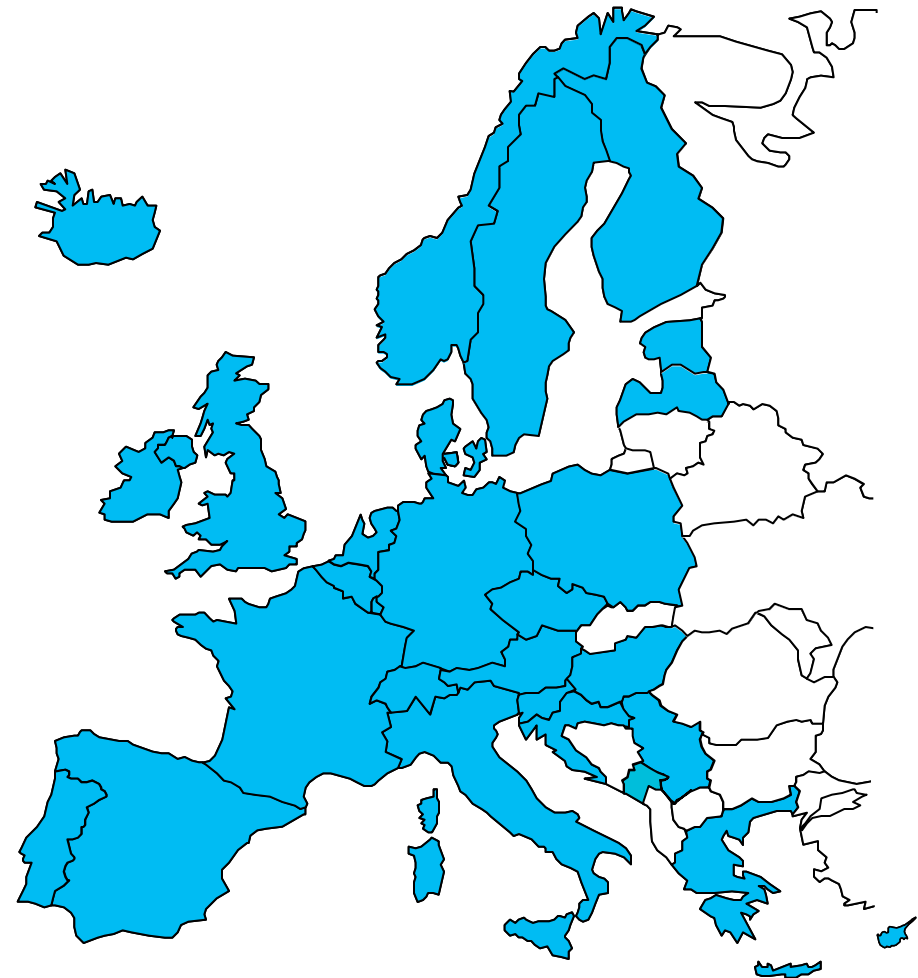
Who are we?

- Members are the National Meteorological Services of European States
- Provides for internal and external cooperation and collaboration
- The primary governing body is the Assembly of Members
- Two advisory bodies:
 - Science & Technology Advisory Committee (STAC)
 - Policy & Finance Advisory Committee (PFAC)

30 EUMETNET Members

The National Met Services of:

Austria	Latvia
Belgium	Luxemburg
Croatia	Malta
Cyprus	Montenegro
Czech Rep.	Netherlands
Denmark	Norway
Estonia	Poland
Finland	Portugal
France	Serbia
Germany	Slovenia
Greece	Spain
Hungary	Sweden
Iceland	The FYROM
Ireland	Switzerland
Italy	United Kingdom



EUMETNET Mission

To help its Members to develop and share their individual and joint capabilities through cooperation programmes that enable enhanced networking, interoperability, optimisation and integration within Europe; and also to enable collective representation with European bodies in order that these capabilities can be exploited effectively.

From EUMETNET Strategy

EUMETNET Vision

By 2020 EUMETNET will have enabled its Members to provide a cost efficient, world-class, shared infrastructure that is significantly more interoperable and integrated with shared basic services. These improvements will enable Members to better fulfil their official duties, enhance their individual capabilities and provide a basis for Members to deliver, collectively, joint public information services at the level of the EU and its Agencies.

From EUMETNET Strategy



Delivery – Current Programmes New Phase

Started Jan 2013
Ending Dec 2017

Programmes cover 3 capability areas:

- **Observations** Programme
 - Includes the **OPERA** project
- **Forecasting** Programme
 - Includes the **EMMA/Meteoalarm** project and the **EMMA Hydrology** project
- **Climate** Programme
 - Includes climate monitoring, e.g. temperature, **rainfall**, etc., and associated climate data sets
- **OPERA and Meteoalarm** products can be used under license
 - EUMETNET provides R&D licenses

Reflection

- EUMETNET exists to cooperate
- EUMETNET has at its heart the core missions of its Members
- Foremost among these is the “**public weather service**” which provides alerts, warnings and advisories to civil protection, first responders, contingency planners and the public
- The weather services realised that the challenges of working as neighbours in Europe means that cooperation is essential for success



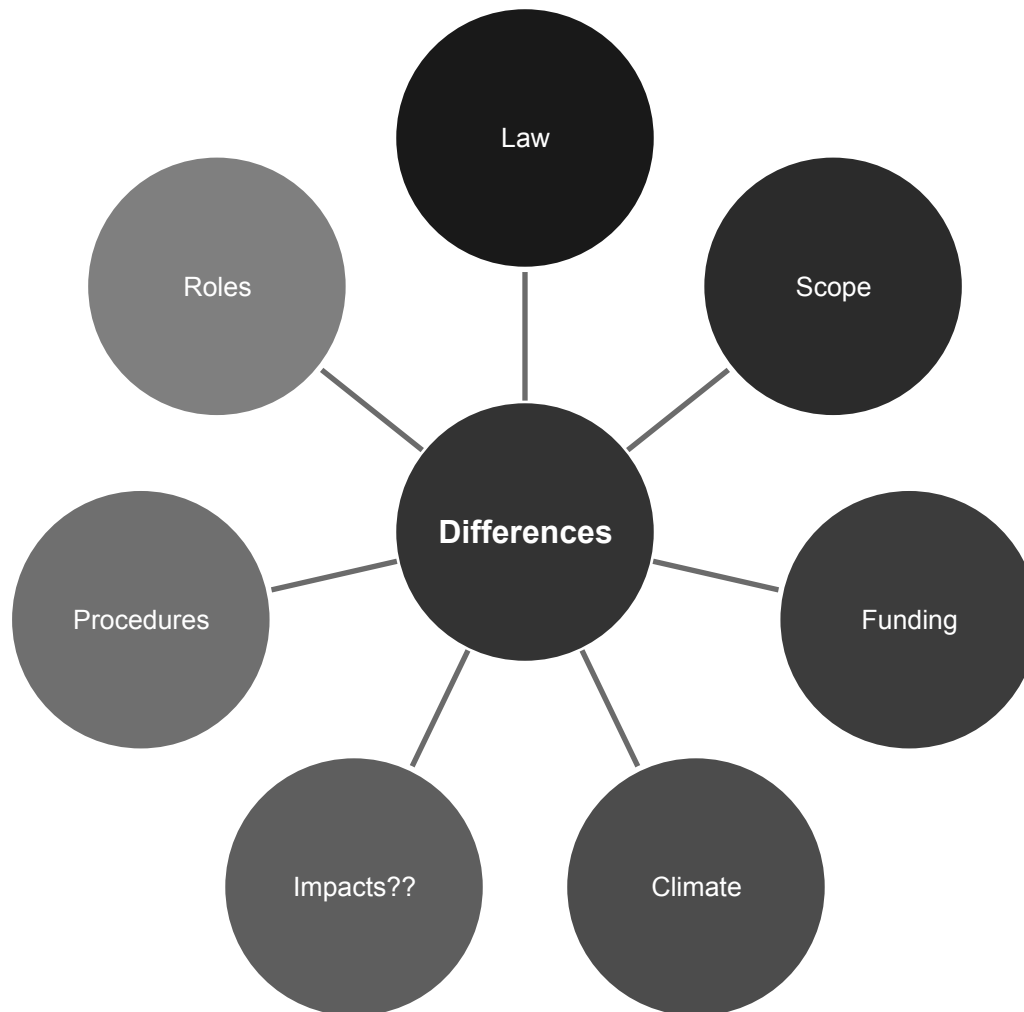
So what relevance to rainfall hazards?

- Almost all weather hazards are mobile crossing political borders, e.g. wind storms, snow, heat, etc.
- Rainfall is perhaps even more special because it can be exported across boundaries in rivers and ground water
- Exception for Island territories!
- **Collaboration must be across boundaries and must be multi-disciplinary**

Collaboration at home is not easy!



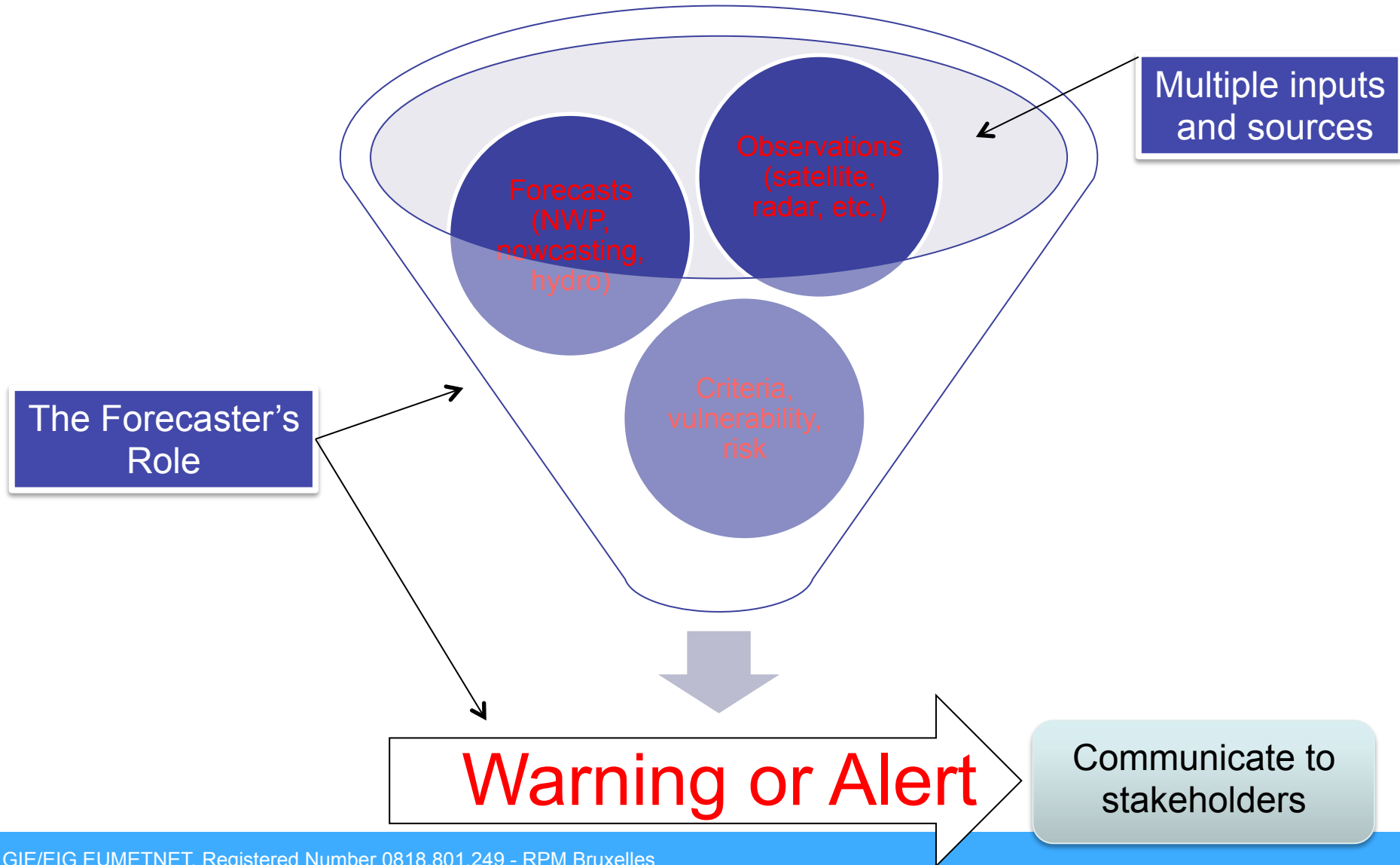
Collaboration internationally is even more complex



Important lessons

- Trust between civil protection and weather/hydrology service is critical
- Clarity of roles and responsibilities must be clearly maintained
- Warning source must also be clear and have recognised authority
- Sub-national and national procedures must not be respected and protected
- Change and improvement will happen but it has to be managed carefully
- Trust of the citizen needs to be earned and maintained

Current 'generic' production system



HAREN – plus and minus

PLUS

- New tools for forecasters
- Good to see and real Innovation
- The project provides a transnational solution
- Based on a multi-disciplinary team

MINUS

- License for use of EUMETNET data not secured
- HAREN provides information that has the “look and feel” of warnings and therefore jeopardize the official warning information coming from the weather services and undermine the single authoritative voice principle.
- Potential to confuse as HAREN uses the Meteoalarm colours but is not consistent with Meteoalarm



Collaboration is great – but.....

To avoid confusion and loss of confidence with key stakeholders, tools and solutions such as HAREN should be developed respecting existing national mandates and procedures for official warnings. Any provision of warnings to the public and to civil protection agencies must be through the nationally mandated organisations.

Contact Details

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