



Foreign, Commonwealth  
& Development Office

# SOUTH ASIA HYDROMET FORUM III

**REGIONAL PARTNERSHIPS FOR IMPROVED WEATHER AND CLIMATE SERVICES**

**South Eastern European Multi-Hazard Early Warning Advisory System – SEE-MHEWS-A**

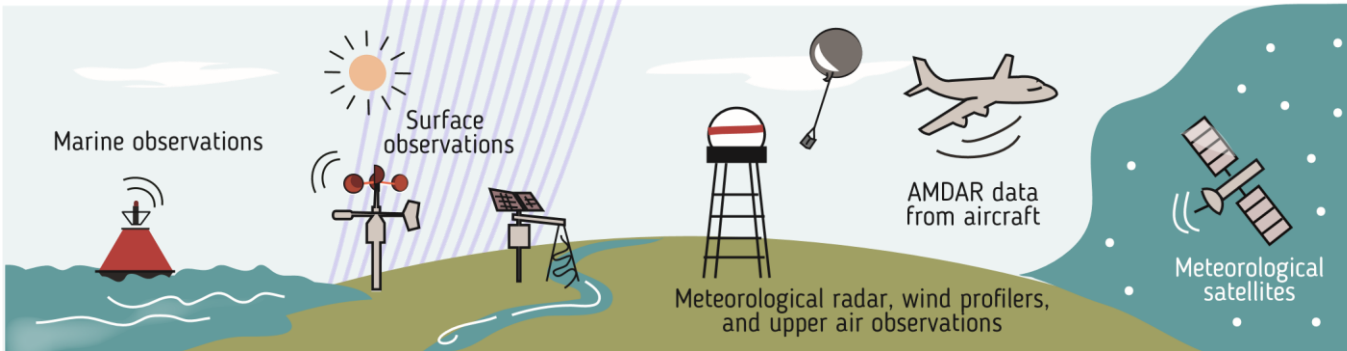
**Branka Ivancan-Picek**  
**Croatian Meteorological and Hydrological Service**

**November 15-18, 2021**  
**Annual Event- Virtual**

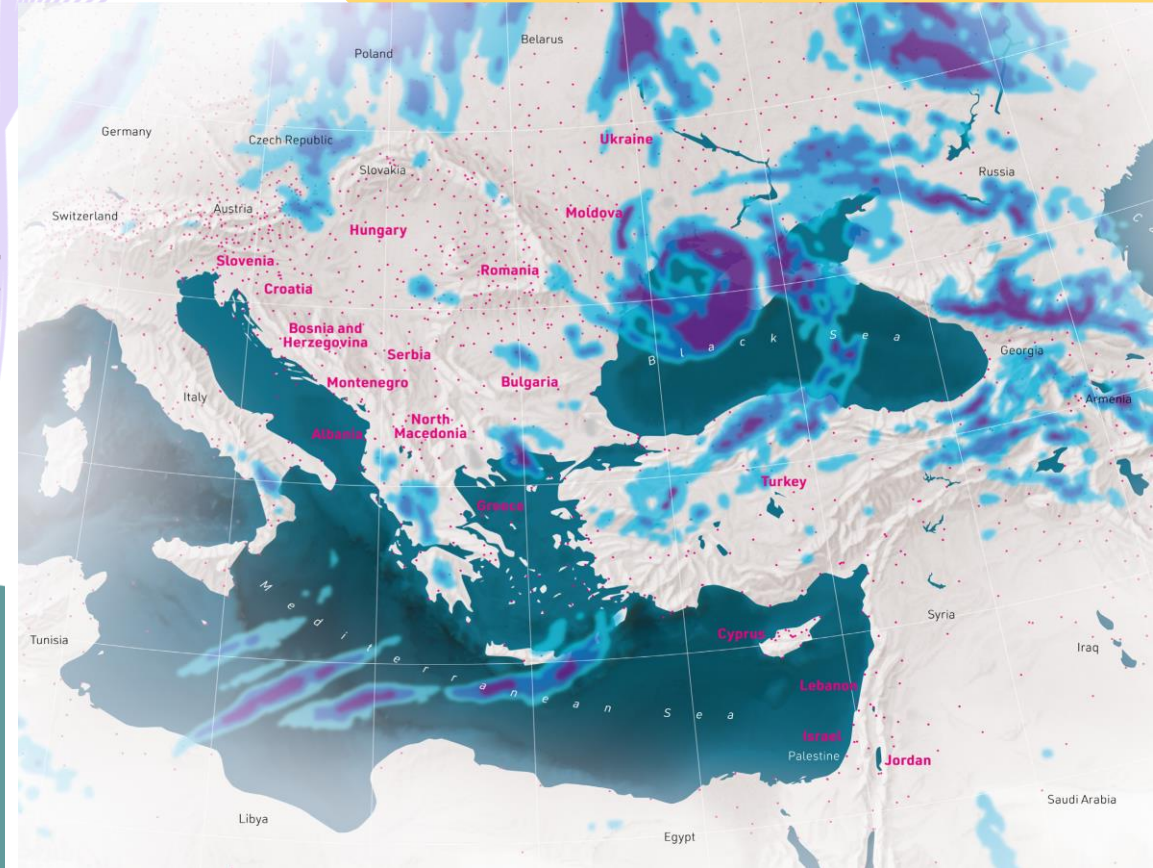
# SEE-MHEWS-A

- 18 countries, 225 million people
- diverse countries and geography
- implementation Plan was commenced in 2016
- initiative for sharing data for better forecasting of severe weather and flooding (Policy on the Exchange of Data)

Diverse sources of hydrometeorological data



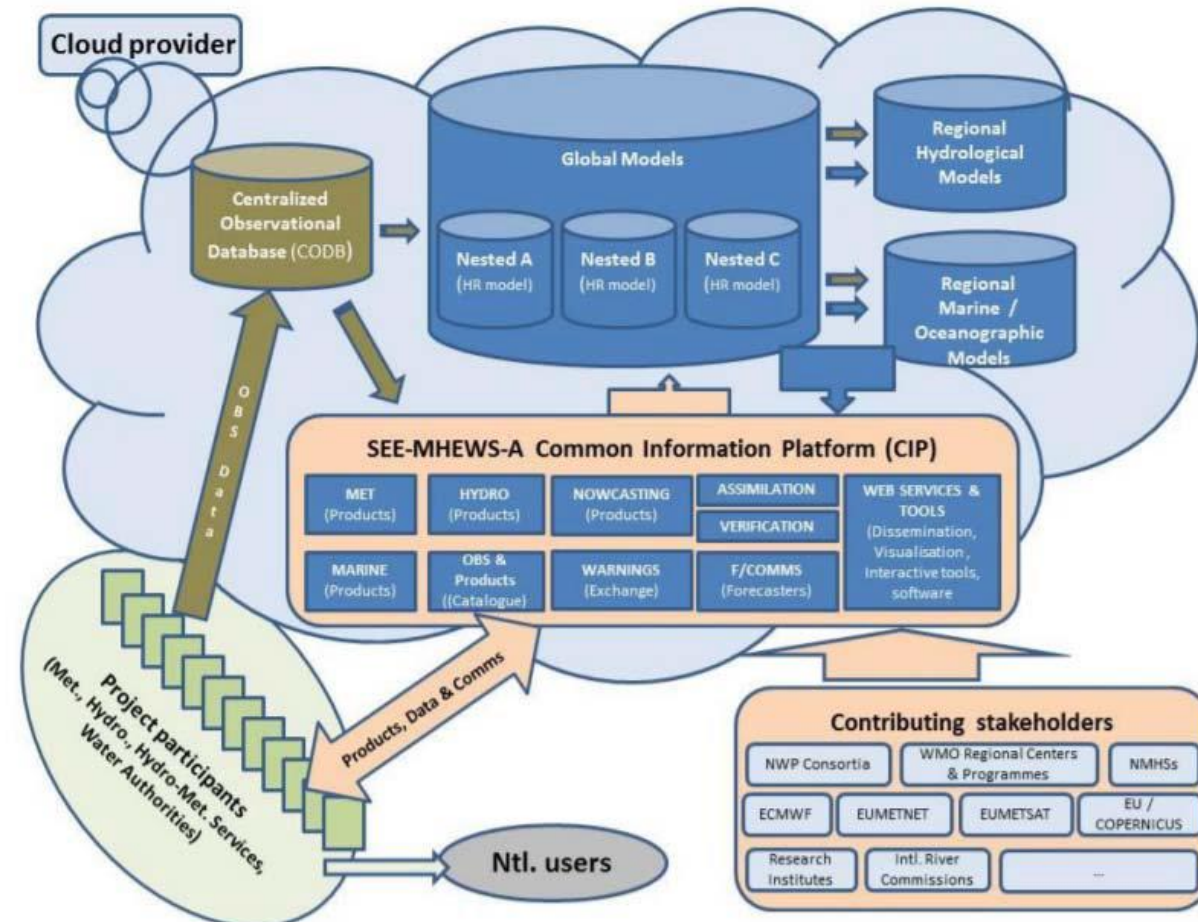
# GOOD PRACTICES



# SEE-MHEWS-A

- Improvement of models and technologies
- Develop the Centralized Observational Database (CODB)
- Strengthened regional cooperation through leveraging of national, regional and global capacities to develop improved hydrometeorological forecasts, advisories and warnings (cloud provider ECMWF)
- Implement nowcasting and verification tools
- Develop the Common Information Platform (CIP)

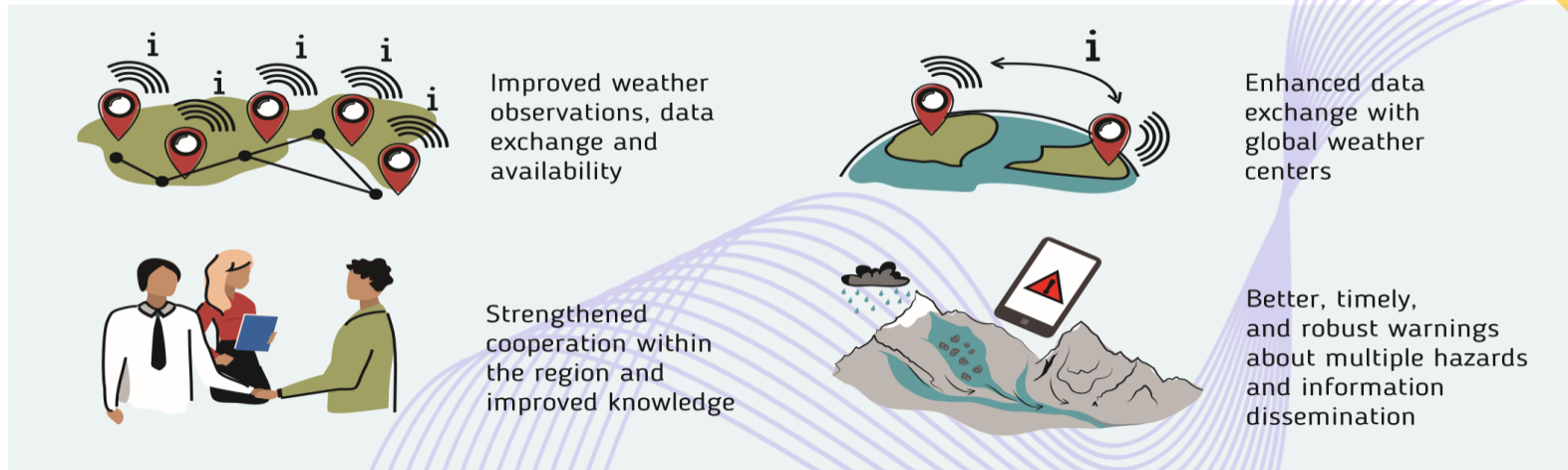
## TECHNICAL ASPECTS



# SEE-MHEWS-A

# BENEFITS

## Main benefits and areas of work



Expanded and improved regional weather and water forecasting capabilities



Nowcasting



Numerical weather prediction



River flow and flood modeling



Marine modeling



Dust storm forecasting

- The next step will be entering the operational phase – models moves on from testing to be implemented in real life!

# REGIONAL PARTNERSHIPS BENEFIT - EXAMPLE

## EARTHQUAKE 22 MARCH 2020 (ZAGREB, CROATIA)

severely damaged DHMZ's headquarter



IT infrastructure survived



**EUROPEAN WEATHER CLOUD**

CLOUD COMPUTING-BASED INFRASTRUCTURE, FOCUSED ON THE NEEDS OF THE METEOROLOGICAL COMMUNITY

Membership in International Organizations (WMO, ECMWF, EUMETSAT, EUMETNET, ALADIN, ACCORD .....)

**more info: ECMWF  
newsletter 164 (2020)**



SOUTH ASIA

**HYDROMET FORUM III**

**2021**

**PROGRAM TO SUPPORT SOUTH ASIA REGIONAL DEVELOPMENT IN  
OPERATIONAL FORECASTING AND SERVICE DELIVERY**

**SAHF Website:** <https://sahf3event.rimes.int/>

**YouTube Broadcast:**  
<https://youtu.be/QAAf326wP00>