

# Introduction to the SEWA- AMSAF Technical Assistance Service Team

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# The SEWA-AMSAF consortium partners



ILMATIETEEN LAITOS  
METEOROLOGISKA INSTITUTET  
FINNISH METEOROLOGICAL INSTITUTE





# Technical Assistance Service Team (TAST) Key-experts



*Matti Eerikäinen (FMI)*  
Engagement,  
Coordination, and  
Concept of Operations



*Alexander Roberts  
(Uleeds)*  
Regional Nowcasting  
Product Suites  
(Tailoring &  
Documentation)



*Xavier Calbet (AEMET)*  
Infrastructure & Data-  
Chain Deployment and  
Commissioning



*Marjo Hoikkanen (FMI)*  
Training, Testbeds, and  
User Engagement



*Anne Hirsikko (FMI)*  
Sustainability and  
Ownership



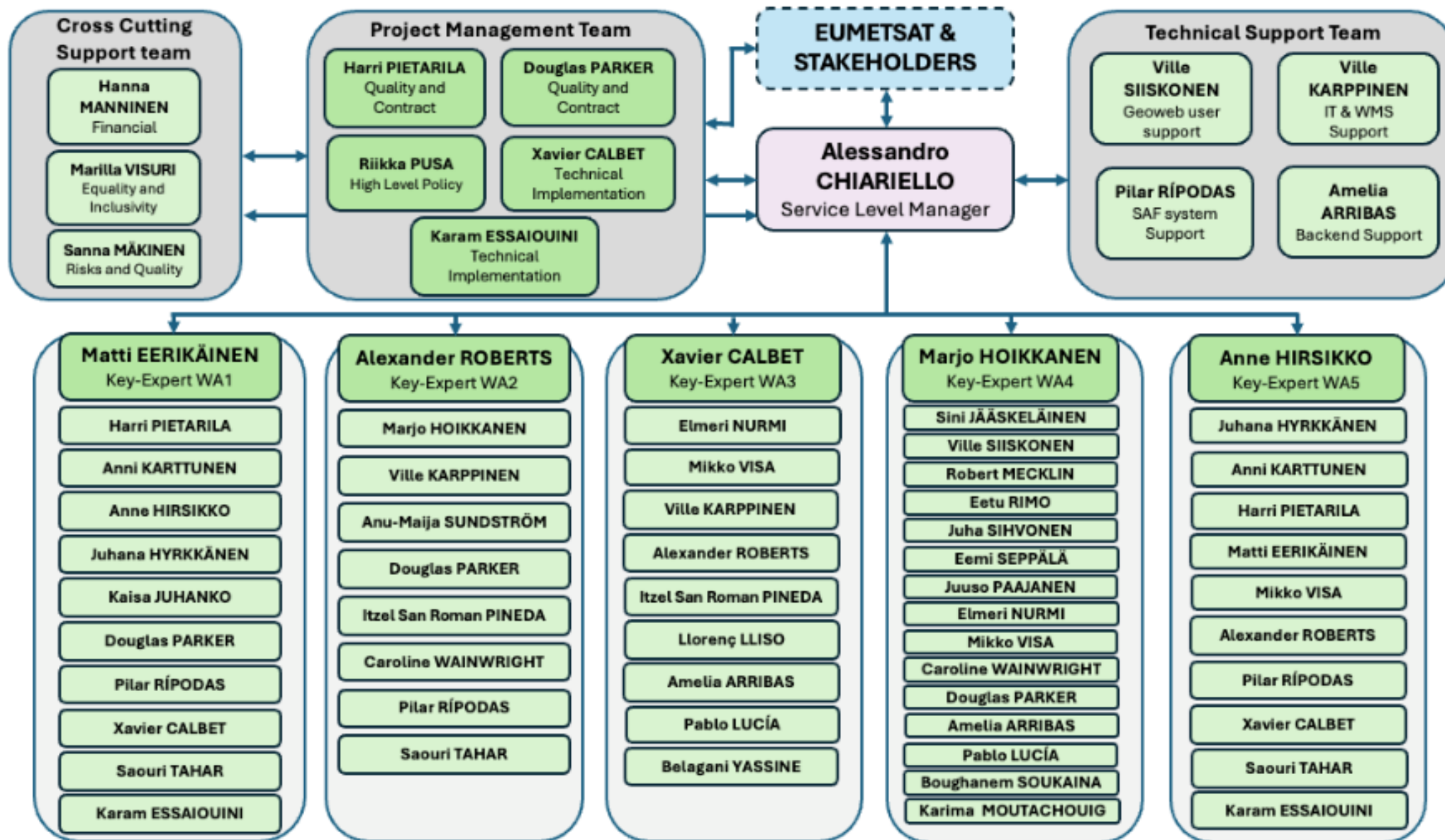
*Karam Essaouini  
(MétéoMaroc)*  
Technical support in  
training and French  
language



*Alessandro Chiariello  
(FMI)*  
Service Level manager



# The TAST experts



- The FMI is the National Meteorological Service of Finland and a research institution in climate, meteorology and space weather
- FMI has coordinated projects and its expertise has been used in technical co-operation projects in over 100 countries around the world
- Very recently and currently involved in several projects and initiatives in Eastern and Southern Africa, thereby establishing strong ties with African NMHS and regional institutions.
- The FMI leads the EUMETSAT's Atmospheric Composition Satellite Application Facility (AC SAF). In addition to overall project management, FMI is responsible for training, capacity building, and outreach activities
- The Finnish Meteorological Institute (FMI) has gained robust experience in organizing and delivering international training in hydrometeorology



- Decades of experience studying African Meteorology.
- Specialising in high impact weather conditions and satellite nowcasting for Africa.
- Experience of operationalisation of nowcasting for Africa for non-specialist use (FASTA).
- Extensive teaching experience and pioneers in African meteorology testbeds SWIFT & WISER-EWSA.

Dr A Roberts (Leeds PI)



D Groves



Prof D Parker

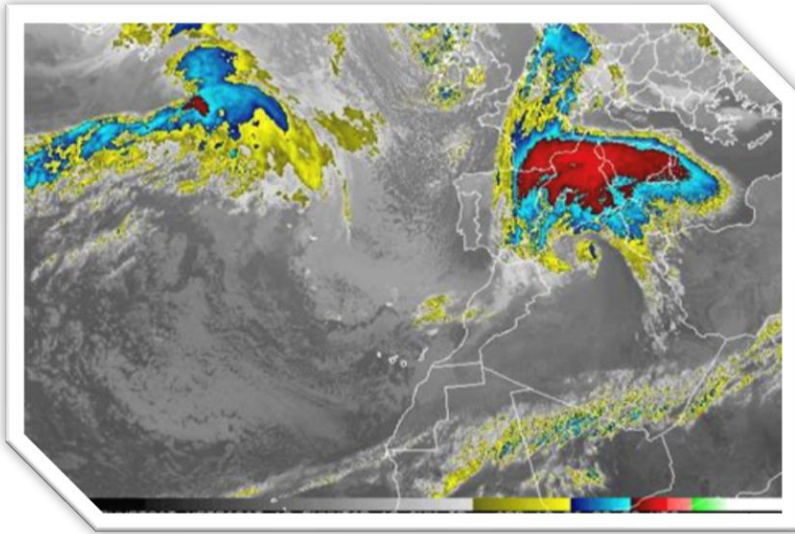


Dr I San Roman  
Pineda



Dr C Wainwright

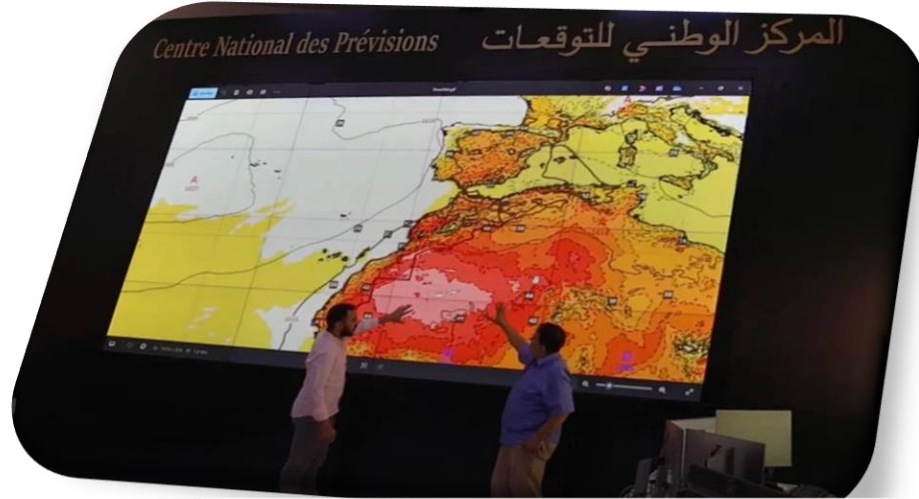




- AEMET is the National Spanish Meteorological Service
- Leading Entity of the Nowcasting Satellite Application Facility (NWC SAF) from EUMETSAT since 1997
- Since 2023, with the coordination from WMO, AEMET has performed several Nowcasting training activities in the African continent. Some of them have been remote or in the form of training videos and others have been made in-person



- General Directorate of Meteorology (DGM) stands as the reference institution for meteorological and climate services in Morocco
- DGM hosts the Virtual Laboratory - Casablanca
- Since 2012, DGM has facilitated numerous training and capacity-building activities on the use of satellite products for the benefit of Francophone African countries and Arab countries





# Key Takeaways from consultations with RSMCs

- Discussion about end-users
- Coordination meetings between TAST and RSMCs and engagement mechanisms
- ACMAD Coordination role at continental level
  - Harmonization of operations across regional centers
  - Knowledge sharing between regional centers
  - Co-organize the training event(s) with Regional Training Centres
  - Support adaptation and delivery of regional training events
  - Develop shared training material for methods and tools used across regions
- AMSAF Sustainability
  - Cloud infrastructure vs local equipment
- Priorities: 1) identification and localization of nowcasting products 2) capacity building 3) outreach to end-users





## 2026

- Regular online consultation meetings between the TAST and the AMSAF centers – focus on different components
- Nomination of AMSAF centers focal points
- Preliminary version of Ownership and Sustainability Plan
- Consultation missions in each RSMC and ACMAD before the end of October
  - Priority to consultations in WA1 (Engagement, Coordination, and Concept of Operations), WA2 (Regional Nowcasting Product Suites), WA3 (Infrastructure & Data-Chain Deployment and Commissioning) and WA4 (Training, Testbeds, and User Engagement), while WA5 (Ownership and Sustainability) later in 2027
  - AMSAF concept of operations for each RSMC and ACMAD
  - User Engagement & Consultation Plan
  - Development of a prototype-demo of the Nowcasting SAF processing chain in the Cloud
  - Development of regional Nowcasting Product Suites (NPSs) - NPS will be used to inform the commissioning of systems and the design of training
  - Nowcasting software deployment and commissioning plans
  - Co-developed (technical) training plans
- Installation of the NWC software and technical training in the AMSAF centers
  - On local servers or cloud



**Thank you!**  
Questions are welcome.