

**ASSOCIATION DES ETATS DE LA CARAIBE
XXIV^e REUNION DU COMITE SPECIAL POUR LA REDUCTION DES RISQUES DE
CATASTROPHES**

Port d'Espagne, Trinité-et-Tobago, le 21 octobre 2016

**PRESENTATION SUR LES PROGRES REALISES PAR RAPPORT AU PROJET : «PROJET
COMPLEMENTAIRE AU PROJET PEID DE LA CARAÏBE ET AUX SHOCS I ET II
(COPS)»**

**PAR M. MATTI EERIKÄINEN, GESTIONNAIRE DE PROJET DE L'INSTITUT
METEOROLOGIQUE FINLANDAIS (FMI)**



COPS – Complementary Project to the SIDS- Caribbean Project and SHOCS I and II

Matti Eerikäinen
Project Manager,
Finnish Meteorological Institute



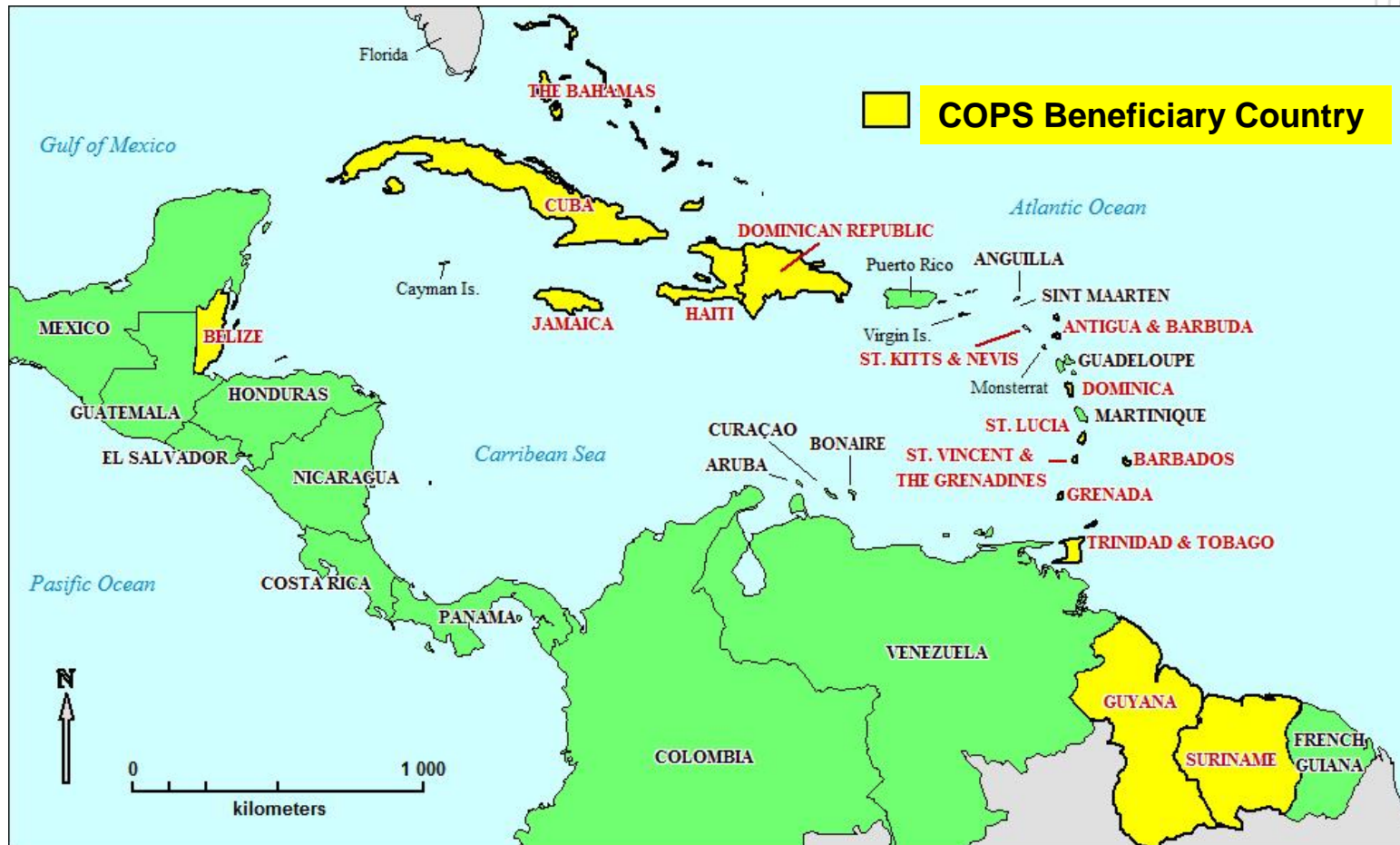
COPS - Complementary Project to the SIDS- Caribbean Project and SHOCS I and II

- Funding of approx. 130 000 € from MFA of Finland
- Project Governance WMO
- Implementation FMI
- Partner: Association of Caribbean States (ACS)
- Direct beneficiaries: NMSs of the Caribbean region
- Indirect stakeholders and beneficiaries: Rescue units, NGO's, schools, women's groups and community focal points, ACS members





Beneficiary countries





COPS – Project background

- Funds originate from MFA funded SIDS Caribbean project (2000-2005). (Surplus from the project).
- After SIDS Caribbean FMI has implemented several projects in the region, largest projects: SHOCS I (2010-2012) and SHOCS II (2013-2015)
- SHOCS = Strengthening Hydro-meteorological Operations and Services in the Caribbean.
- Phase I funding of 0.5 M€ and Phase II 1 M€ from MFA of Finland
- COPS will continue directly from the activities of SHOCS II, among others to ensure the sustainability of the systems installed in the region.



SHOCS projects: main outputs

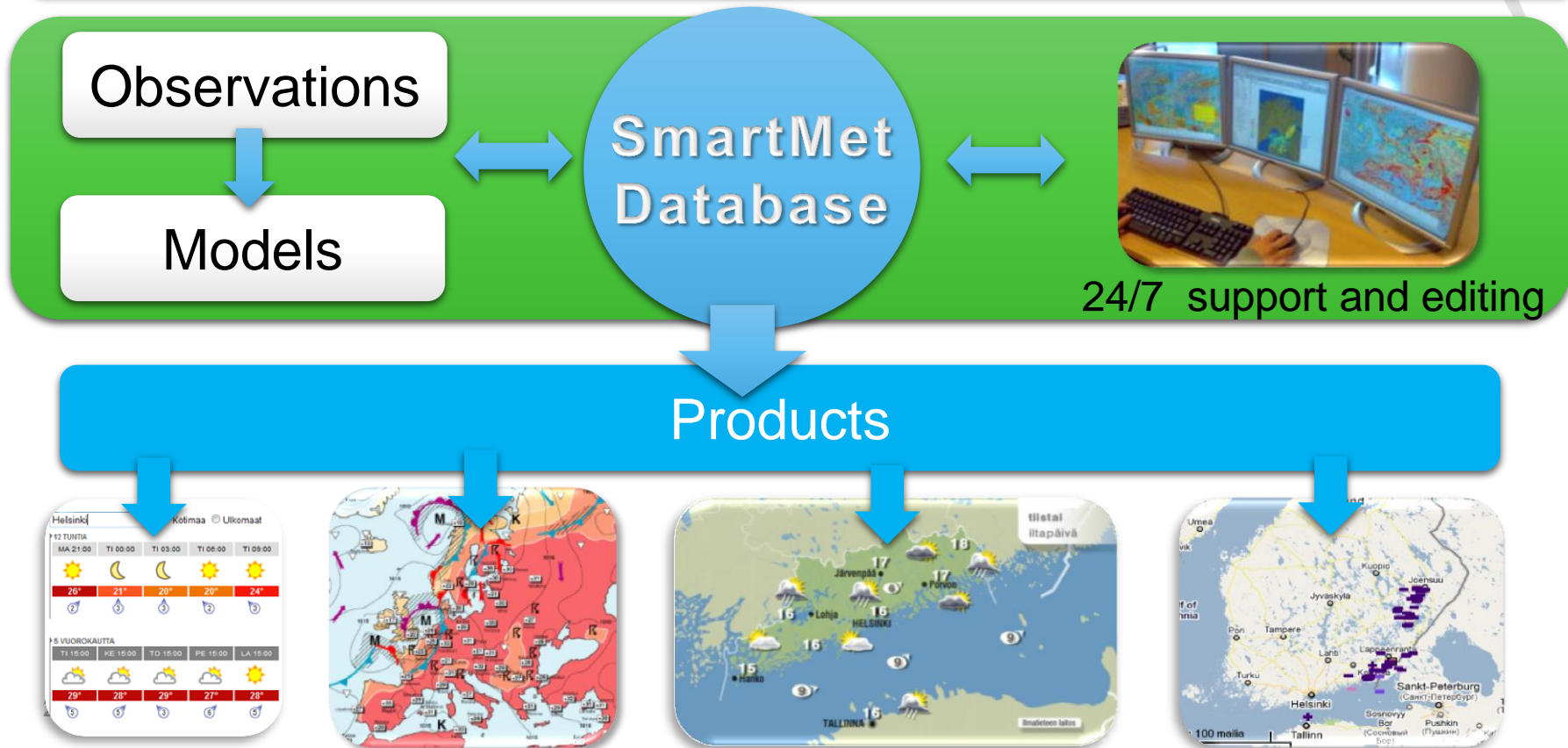
- Acquisition of AWS spare parts for beneficiary institutes.
- Capacity building in aviation weather services' quality management systems.
- Capacity building in TV weather presentations. Acquisition of a modern TV weather software to Cuba.
- Implementation of new tools at the weather forecast services to improve the capacity to analyze severe weather conditions. = Installations of FMI SmartMet system.
- Development and implementation of solutions for presentation and communication of early warnings. = Installations of FMI SmartAlert systems.



Systems installed in the previous projects – SmartMet

- FMI built forecaster workstation with automated forecast production feature.

WEATHER SERVICE PRODUCTION SYSTEM

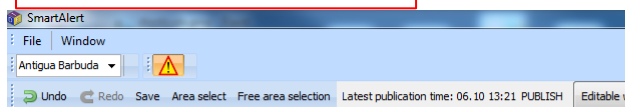




Systems installed in the previous projects – SmartAlert

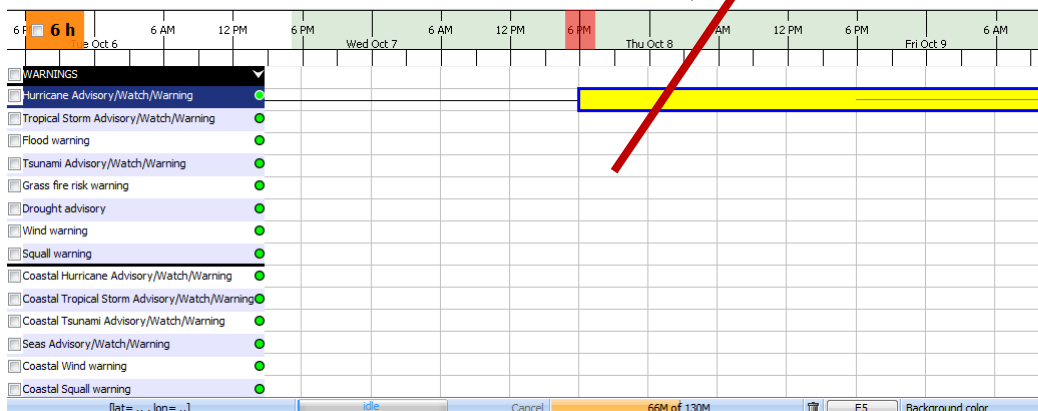
- FMI built software to issue weather warnings in CAP –format (Common Alerting Protocol)

Forecaster view

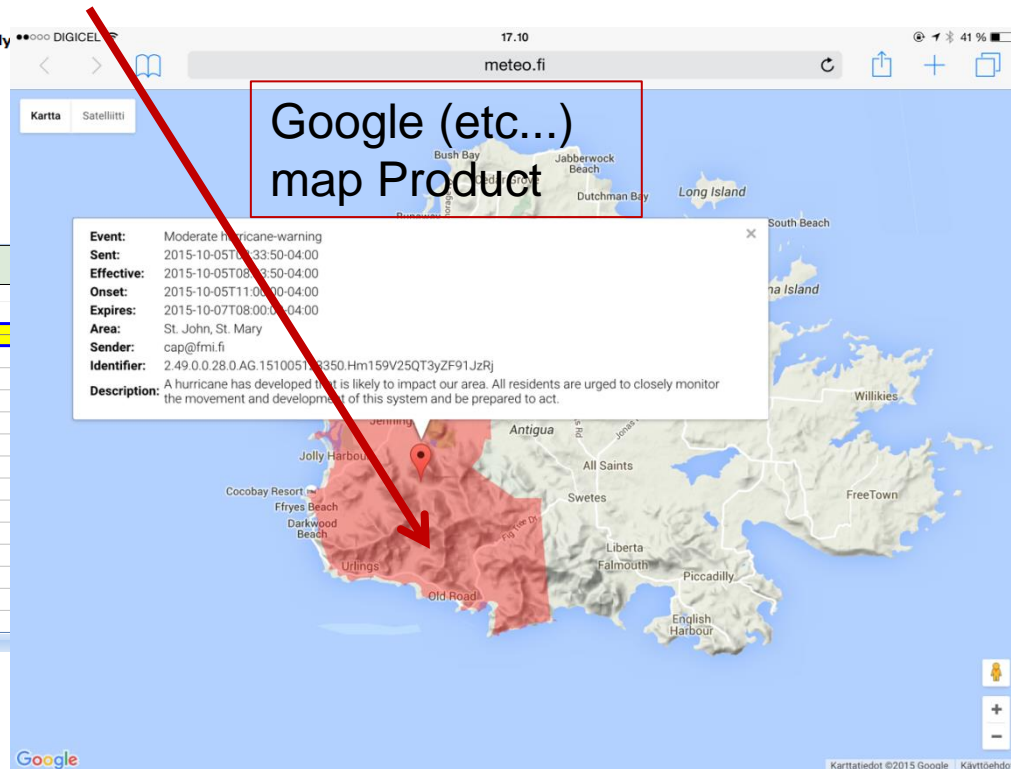


```
<identifier>2.49.0.0.28.0.AG.151006132158.Nk0jpR5873KSx4eTikVo</identifier>
<sender>cap@fmi.fi</sender>
<sent>2015-10-06T09:21:58-04:00</sent>
<status>Actual</status>
<msgType>Alert</msgType>
<scope>Public</scope>
- <info>
  <language>en-AG</language>
  <category>Met</category>
  <event>Moderate hurricane-warning</event>
  <urgency>Future</urgency>
  <severity>Moderate</severity>
  <certainty>Possible</certainty>
  <effective>2015-10-06T09:21:58-04:00</effective>
  <onset>2015-10-06T23:00:00-04:00</onset>
  <expires>2015-10-09T08:00:00-04:00</expires>
  <description>A hurricane has developed that is likely
  be prepared to act.</description>
- <area>
```

CAP-message



Google (etc...) map Product





Systems installed

- **SmartMet:**
 - Now 10 countries: Antigua & Barbuda, Barbados, Belize, Cuba, Dominican Republic, Grenada, Guyana, Jamaica, St. Lucia, Trinidad & Tobago.
 - Two types of installations:
 - "Main site"= Full installation, forecast production features, data delivery to Remote sites
 - "Remote site" = Data viewing feature, no automated forecast production.
- **SmartAlert:**
 - Now 3 countries: Antigua & Barbuda, Cuba, Jamaica.



Systems installed

- Installed systems have/should have led to:
 - Better and increased availability of data for forecaster → Better forecasts
 - Possibility to automatize forecast process → More products
 - Standardized and digitalized warning information production → Better warning services and products.



COPS – Project activities

- COPS will continue directly from the activities of SHOCS II, to further build the capacity and to ensure the sustainability of the systems installed in the region:
 - **Activity 1.1** The rehabilitation of selected observation stations for improved data quality and data availability; (AWS Spare parts)
 - **Activity 1.2** The implementation of new tools at the weather forecast services to improve the capacity to analyze severe weather conditions; (SmartMet)
 - **Activity 2.2** Development and implementation of solutions for common presentation and communication of early warnings; (SmartAlert)



COPS – Work plan 2017

- Project board meeting to be held very soon.
- SmartMet and SmartAlert in-country training missions by FMI experts to Antigua & Barbuda, Barbados, Cuba and Jamaica. (SmartMet “main sites”)
- Regional workshop rest of the SmartMet countries (remote sites).
- Some 20 000 € allocated to Spare parts acquisition.



Thank you for listening! Questions?

Matti Eerikäinen

Project Manager, Finnish Meteorological Institute

Email: matti.eerikainen@fmi.fi

Tel. +358 40 703 1434

