

Department of Meteorology

CYPRUS

CyMET

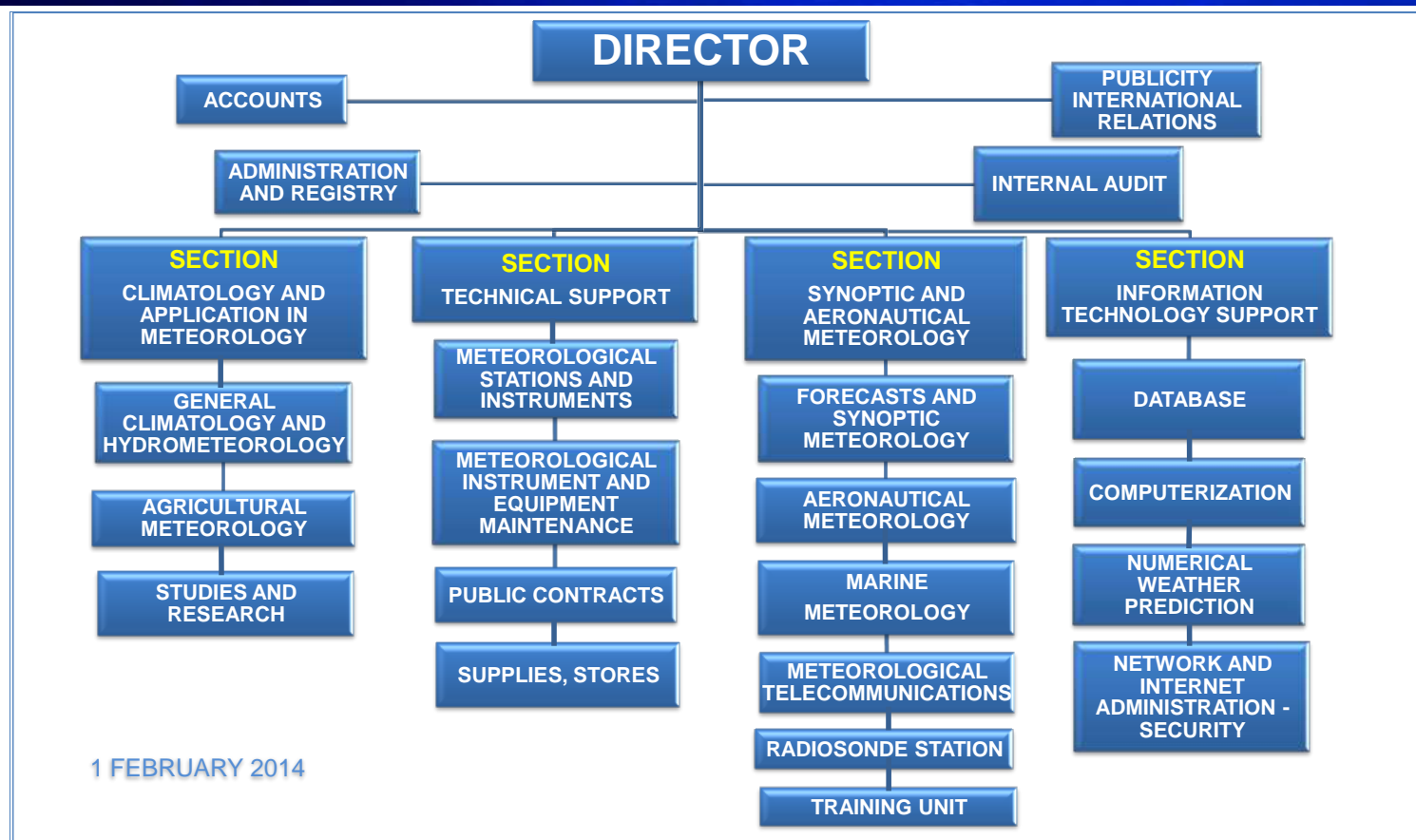
**Ministry of Agriculture Rural
Development and Environment**

Certifications

- **ISO 9000 – 2015**
- **NSA**
- **EASA (ICAO Civil Aviation)**

Structure suitable to provide services

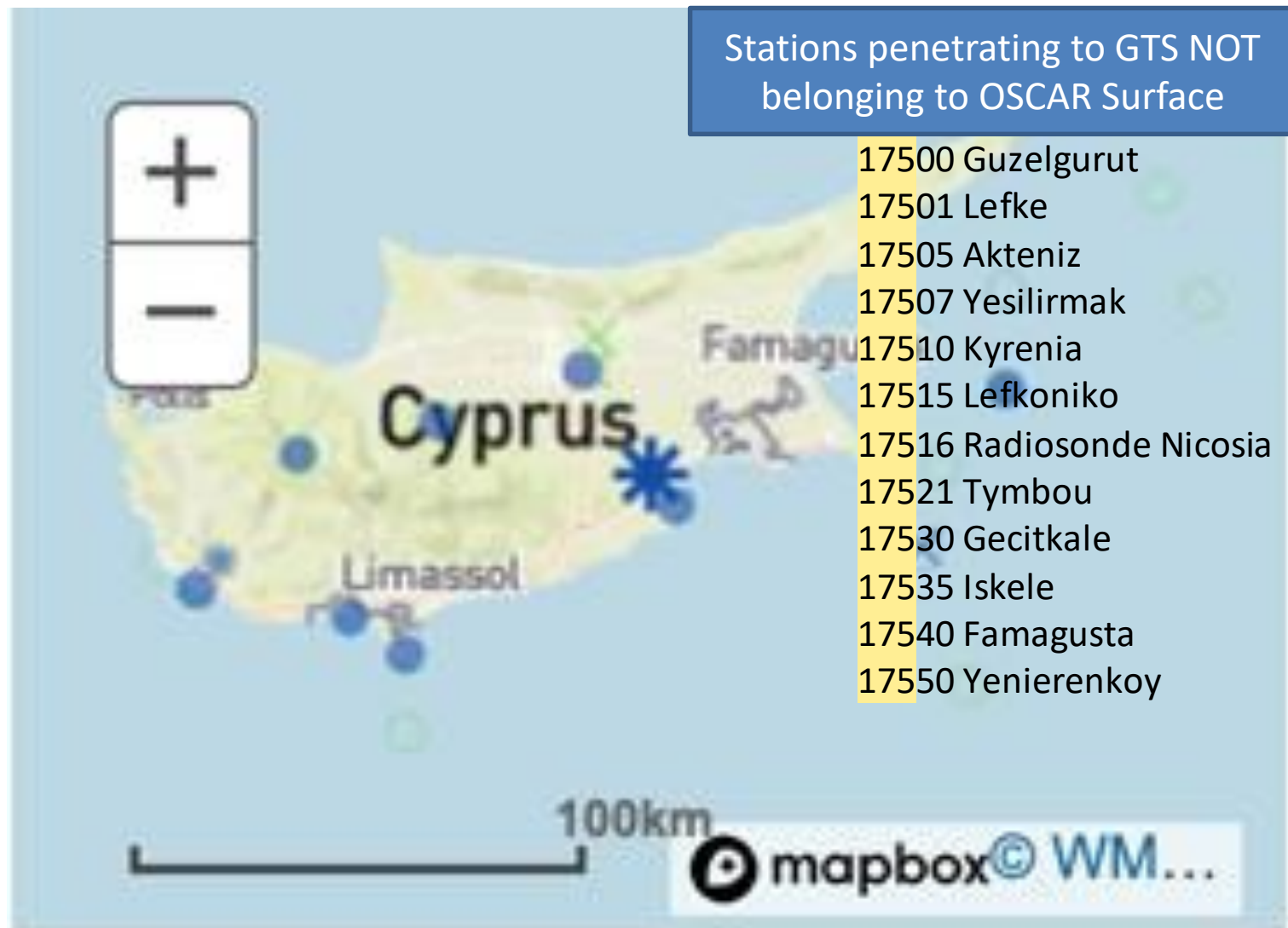
DEPARTMENT OF METEOROLOGY ORGANIZATION CHART



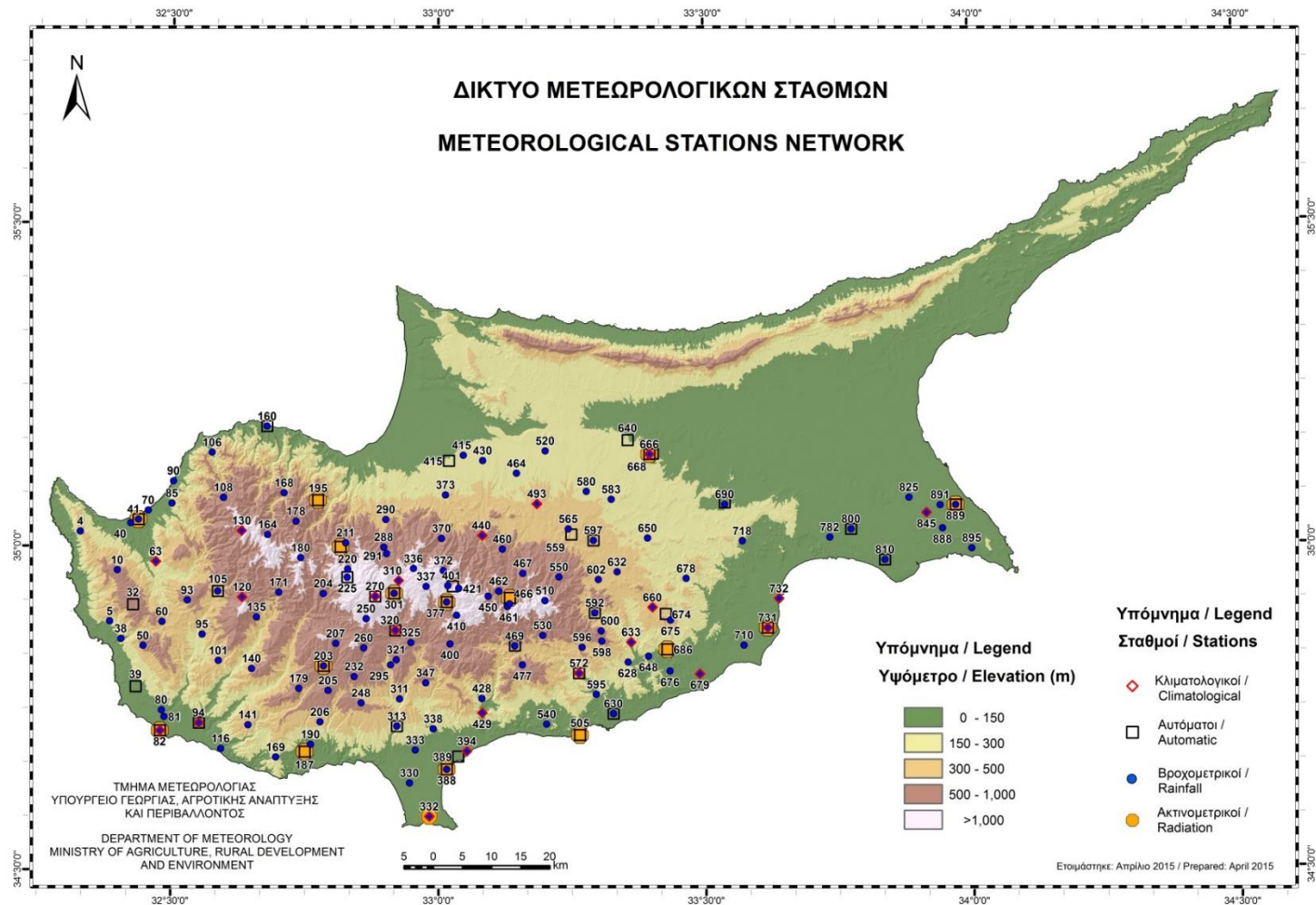
International Organisations - Cooperation

- **WMO**
 - Southeast Europe Conference (SeeCOF)
 - Mediterranean Conference (MedCOF)
- **CTBTO (ultra frequency acoustic stations)**
- **EUMETNET**
 - EMMA
 - AVIMED
 - Space Weather
 - OPERA (not participating though we would like to support the community)
- **ECOMET**
- **BLUE Med**
- **ICSEED**
- **SEECOP**
- **ECMWF Cyprus is an EU country contributing to Copernicus but not a member to ECMWF due reasons above the will of the community I believe**

OSCAR Surface Stations



A dense network and data back from 1887



Automatization A main effort

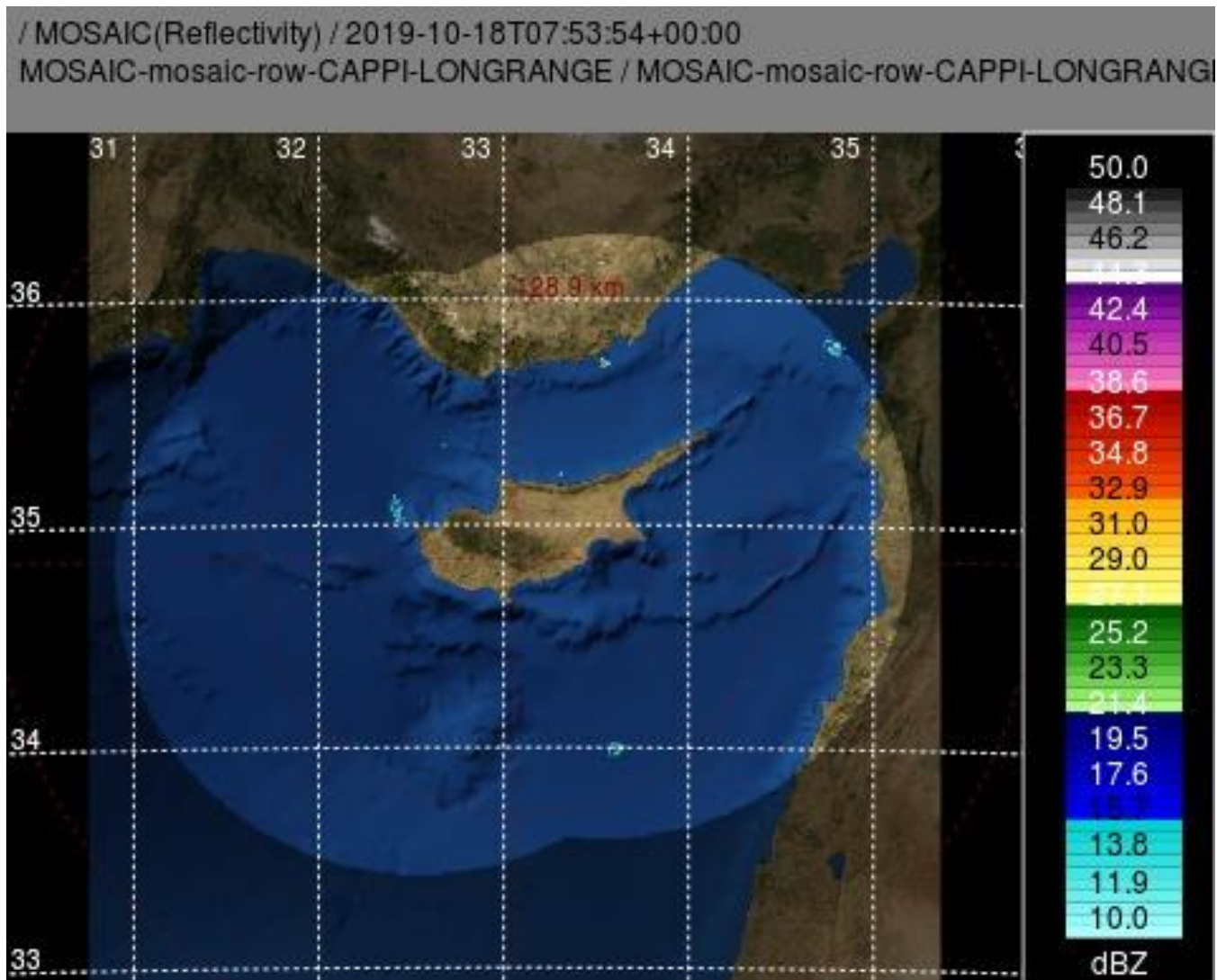
Transform the old
climatological
stations to
modern AWS as
an outcome of
R&D



Today AWS network



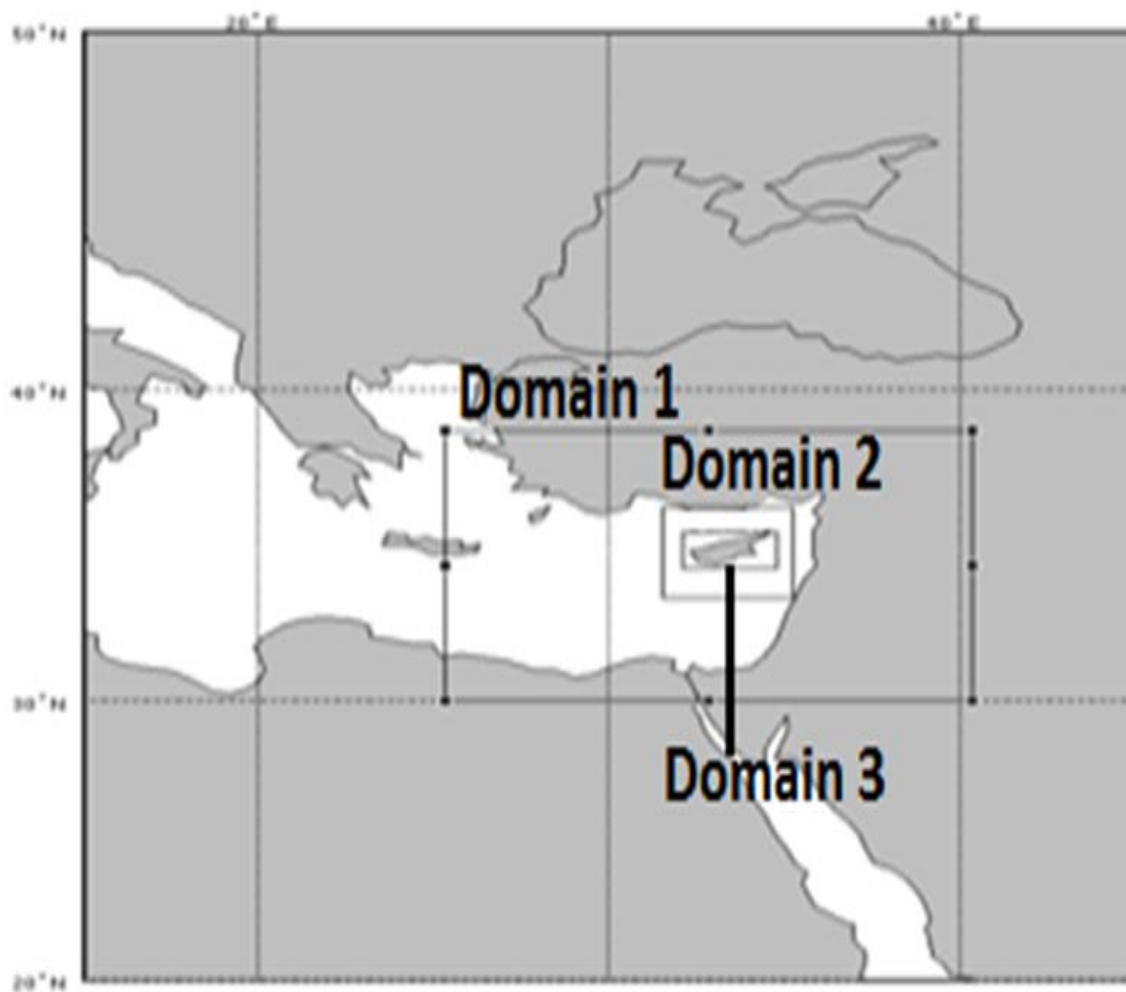
Radar network



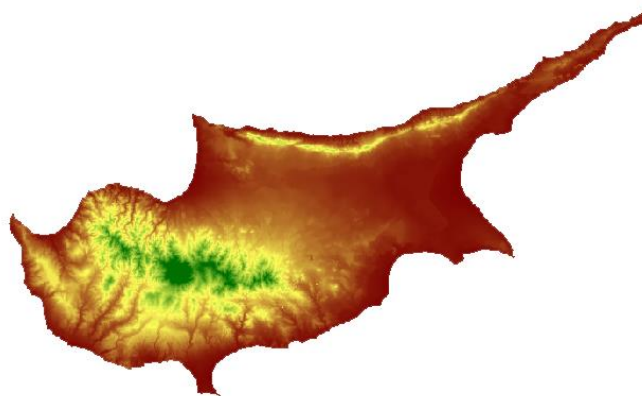
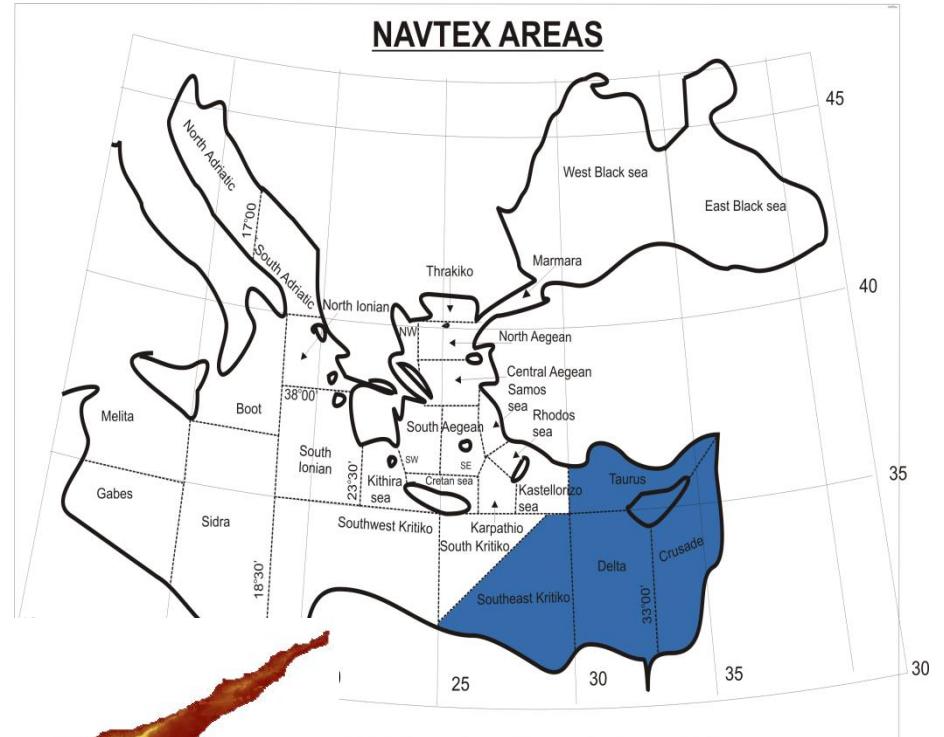
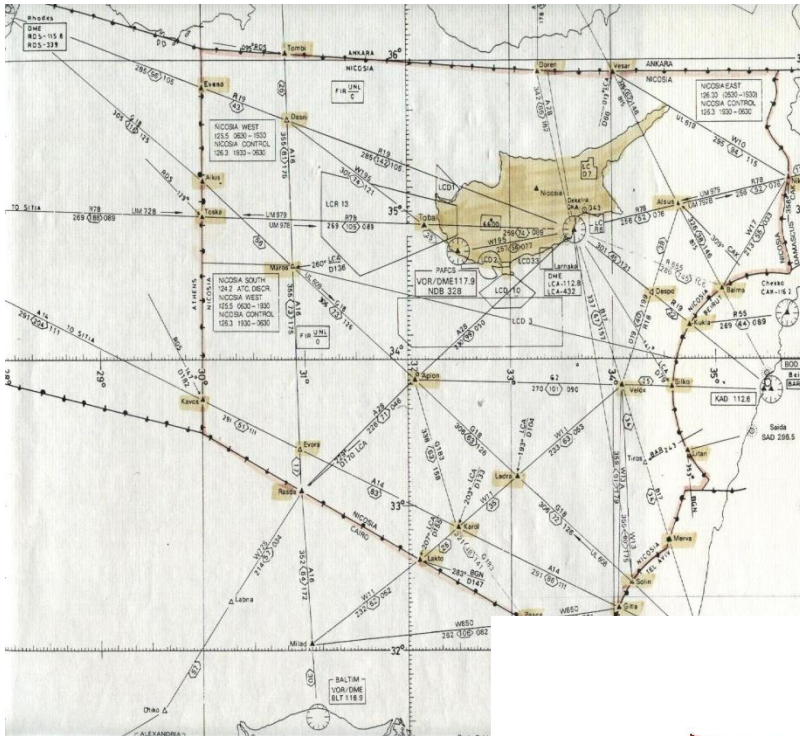
NWP WRF

- Twice per day
 - 0000Z (available at 0600Z), 1200Z (Available at 1800Z)
- Initial & boundary conditions from the $0.5^\circ \times 0.5^\circ$ NCEP (National Centers for Environmental Prediction) Global Forecasting System (GFS) analyses, at 6-hour intervals. It is a 3-domain setup with 2-way nesting for Domain 2 and Domain 3 (Cyprus is not an ECMWF member)
- Post-Processing with NCL, output is provided in
 - Graphical form (maps, icons, disseminated through http, soon in apps)
 - Text form
 - XML

Domain Configuration



Areas of forecast



Clients

ECOMET: Products have a value and are sold, unless, some obligatory, can be downloaded for free from the Departments web page

- **Aviation**
- **Marine**
- **Energy**
- **Academic organizations**
- **Tourism industry**
- **Technical organizations**
- **Health Sector**
- **General public**

Resources

- **Budget:** 5 million euro
- **Personnel:** Not more than 62
 - 16 Scientific (Wx Forecasters, Climatologists)
 - Physists and or Mathematicians with an MSc in Meteorology (most of them)
 - 46 Technicians (observers, support etc)
 - Due to the economic situation vacancies are not filled

Ongoing and Forward

- Data Quality Control and data base
- Dust Model (Serbia Hydro - Met. Service)
SEECOP
- A more detailed WRF
- MHEWS (with all the necessary arrangements set)

Thank you