

MTG – North Africa

Working group

# Background

- Three representatives (Algeria, Egypt and Morocco)
- NMHS have to Ku Band EUMetCast (Europe)
- North Africa is under the coverage of:
  - RSS
  - UVN (limited to ~coastline)
  - 30 min IRS coverage

# Discussion during the working group

- Short presentation of the potential three additional instruments
- Priorities:
  1. RSS
  2. IRS
  3. UVN  
only NMHS in Morocco has mandate for air quality –  
Algeria and Egypt -> Environment agency)

# Discussion during the working group

- Short presentation of the potential three additional instruments
- Priorities:
  1. RSS  
Nowcasting (e.g monitoring of convective system)
  2. IRS  
All three NMHS are running their own NWP, downscaling from Global model and ingesting local data
  3. UVN  
only NMHS in Morroco has mandate for air quality – Algeria and Egypt -> Environment agency)

# Needs

- Data access
  - NMHS in North Africa (Morocco, Algeria, Tunisia, Libya and Egypt) can benefit from EUMETCast-Europe dissemination
  - Storage capacity shall be improved
  - RSS and LI: relatively simple, but need to make the information available to forecaster in an appropriate way
- More training is needed on
  - New additional FCI channels (w.r.t MSG)
- IRS:
  - Training for NWP to learn more about the new data (format, accuracy, etc) in order to ingest them in NWP
  - Validation
- Regional training centre will need to increase its knowledge on these new instruments in order to provide appropriate training

# Transition

- Because data access will be through EUMETCast – Europe, the transition in North Africa will be simultaneous than in Europe
- Transition might be more rapid e.g for RSS
- Upgrade of user equipment shall take place earlier than in sub-saharian Africa (~2-3 years earlier)
- Recommendation :
  - North Africa countries to be fully informed about MTG transition plan in Europe (EUMETCast, RSS, etc), in order to prepare for transition at user level
  - Have access to “european” preparedness activities and materials (e.g training modules)
  - North Africa NMHS shall be made aware of the EUMETCast Europe evolution (new antenna? New LNB? New DVB?)

# User station

- MTG processing chain shall be ready timely to ensure RSS access continuity
- Recommendation: North Africa NMHS needs to receive information in advance in order to prepare procurement of the new equipment (or upgrade of existing equipment)
- organize a workshop only for North Africa