Weather and Climate Information Services – MENA (SeaSCAPE & SeaFoAM)

**WISER MENA & Survey Support to the MENA RCOF Community**

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ArabCOF-13, GCCCOF-10, PRESANORD-21

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The WISER programme aims to deliver **transformation** in the generation and use of **co-produced weather and climate services (WCIS)** to support **decision making** at regional, national and sub-national levels, **building resilience** to the impacts of climate change.

**Main climate risks in the MENA region**
- Food security
- Water security
- Health
- Cities and infrastructure

**Improved dialogue** and understanding between users and producers of WCIS

**Strengthening seasonal forecasting** in region

**Supporting weather & climate initiatives** in region

**Build resilience to extremes** among vulnerable populations
WISER MENA – In Region Engagement (so far)

Morocco Visit
- Collaborate with Maroc Meteo on objective seasonal forecasting, for the SeaFoAM project.
- Scientific report on forecasting processes, model skill, calibration techniques and use of AI/ML.

Egypt Visit
- Meeting with WFP (and RCRC) under Istibak.
- Visit to Egyptian Meteorological Authority (EMA) to discuss collaboration on capacity building & training under SeaSCAPE.

Jordan Visit
- Supporting the Climate-Refugees Nexus (CRN) Initiative via the Jahez Project.
- Jahez is delivered by International Water Management Institute (IWMI) and Met Office (UK), and partnership with Jordan Meteorological Department (JMD) and refugee host communities.

Saudi Arabia Visit
- Visit to NCM and KAUST University to discuss collaboration to inform the Middle East Green Initiative (MGI).
- Outcome is a drive to implement a science research programme to explore seasonal and sub-seasonal forecasting.
WISER MENA – Seasonal

Weather & Climate Information Services – MENA
“Aims to deliver co-produced WCIS to support decision making and building resilience to the impacts of climate change”.

Seasonal Forecasting Across MENA (SeaFoAM)
Aims to support the MENA region’s transition from subjective consensus to objective seasonal forecasting, through…
- Assessing skill, verification & climate drivers
- Producing objective outlooks that are bias corrected & calibrated.
- Understanding the feasibility of machine learning techniques.

Seasonal Co-Production & Application in MENA (SeaSCAPE)
Aims to co-produce sustainable & accessible seasonal services that are useable, useful & used to assist in decision making, planning & preparedness, through…
- RCOF engagement & coproduction
- Capability building
- Tailoring outlooks, products & services
SeaSCAPE – An Overview

1. Supporting the MENA RCOF Community
coproduction, collaboration & communication

Seasonal Co-Production & Application in MENA
“SeaSCAPE”
Co-producing accessible & sustainable seasonal services that are useable, useful & used to assist in decision making, planning & preparedness.

2. Capability Building / Training

3. Tailoring Seasonal Services

Explore, understand & share the current status, capabilities, barriers, priorities & future requirements.

Enhancing WCIS for NMHSs and sector stakeholders.

“SeaFoAM”
Please can you share in the chat (or email rebecca.parfitt@metoffice.gov.uk) your title, name, role, email, organisation and country.
Potential Survey Themes

You & Your Organisation
- Your role & responsibilities & that of your organisation
- Current provision / use of seasonal information
- Requirements (what, when, why, how)
- Data Sharing (e.g. for verification)

The Current Status of the MENA RCOFs
- Participation & engagement
- Timeliness, access, reach and communication of the seasonal forecast
- Barriers / challenges to engaging with the RCOF and/or using its products

Expertise & Capability Building Needs
- Current understanding of various topics (e.g. objective outlooks, climate drivers, verification, skill, uncertainty, coproduction, common language, interpreting and communicating outlooks)

Priorities & Ideas For The Future
- Promoting engagement / participation and sharing
- Enabling capability building / training
- Enhancing outputs

Data Protection

Are there any survey themes missing or not needed?
Are there any training topics missing?
What can we learn from the experiences of other RCOFs? How can we tailor RCOF outputs to meet stakeholder needs? Can we move beyond seasonal to include S2S & climate?
How you can help

Please can you share in the chat (or email rebecca.parfitt@metoffice.gov.uk & stefan.lines@metoffice.gov.uk) …

• Your title, name, role, email, organisation and country.
• Your feedback about this approach – is a survey a good idea?
• If you / your organisation would have any barriers to completing a survey using MS Forms.
  • A word doc version could also be provided via email.
• If you / your organisation would need to participate in this survey in an alternative language to English.
• If your feedback is encouraging about this, please look out for the survey in the coming months!

Feedback and/or ideas on the following are also most welcome:
• The survey themes (currently proposed as ‘you & your organisation’, ‘the current status of the MENA RCOFs’, ‘expertise & capability building needs’, & ‘priorities & ideas for the future’).
• The survey’s capability building options / topics (so far we have objective outlooks, climate drivers, verification, skill, uncertainty, coproduction, common language, interpreting and communicating outlooks)
The value of the results will be dependent on the co-production of and participation in the survey.
Any Questions?

For further information or if you have any queries, suggestions or additional feedback, please contact:

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