

Bringing solutions to drought monitoring and management LOUISE SARANT,

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MENAdrought – Morocco, Lebanon and Jordan

to empower decision-makers to plan for and manage the impacts of droughts on food and water security





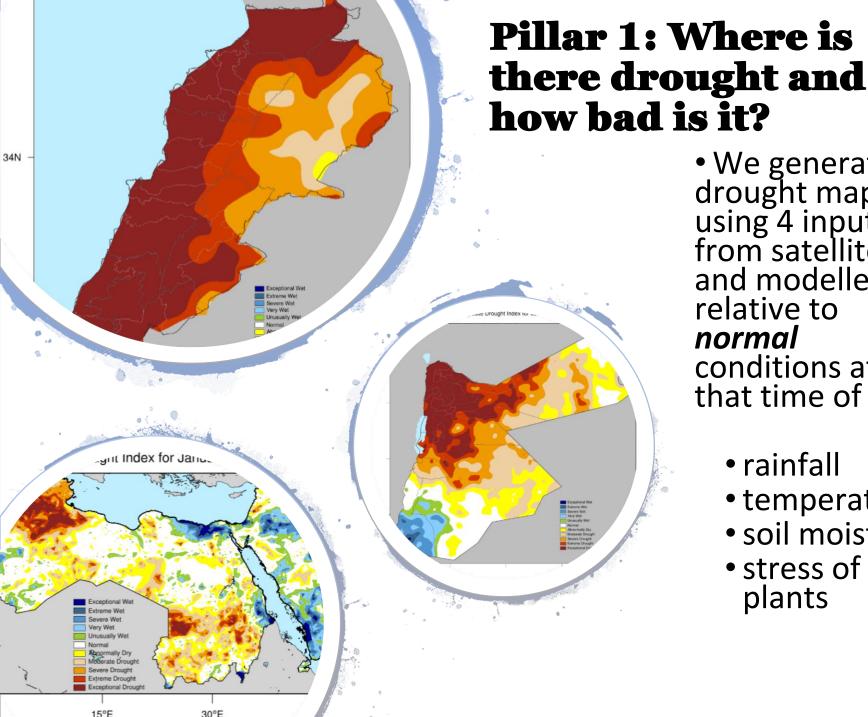


MENA Drought – 3 pillars required for effective drought management



Internationally endorsed 3 pillars of drought management





• We generate drought maps using 4 inputs from satellite and modelled relative to normal conditions at that time of year

- rainfall
- temperature
- soil moisture
- stress of plants

Pillar 2- Who is being most impacted by droughts and why?



Drought is different in Jordan, Lebanon, Morocco

Environmental, cultural, social, economic, political drivers determine the communities and sectors most affected

So need in-depth analysis to ensure action plans are targeted



Pillar 3 – What needs to be done to manage droughts today and to build resilience for the future?

Mitigation for resilience building

Preparedness



Responses





Pillar 3 Mitigation

Water and agricultural technology packages

so water is managed more productively event when no drought



Pillar 3 Preparedness

— the hard part

- Institutional arrangements that multi-ministerial, interdisciplinary
- Developing policies, action plans, decrees – the who does what and when
- Including the prioritization of who and where the water should be given



Pillar 3 RESPONSES

- Drought maps trigger actions
- Risks and impacts helped through actions

Drought
 Insurance helps
 bring relief



Thank You

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Innovative water solutions for sustainable development Food·Climate·Growth