



**INTEGRATED DROUGHT
MANAGEMENT PROGRAMME**



WORLD
METEOROLOGICAL
ORGANIZATION



Global Water
Partnership

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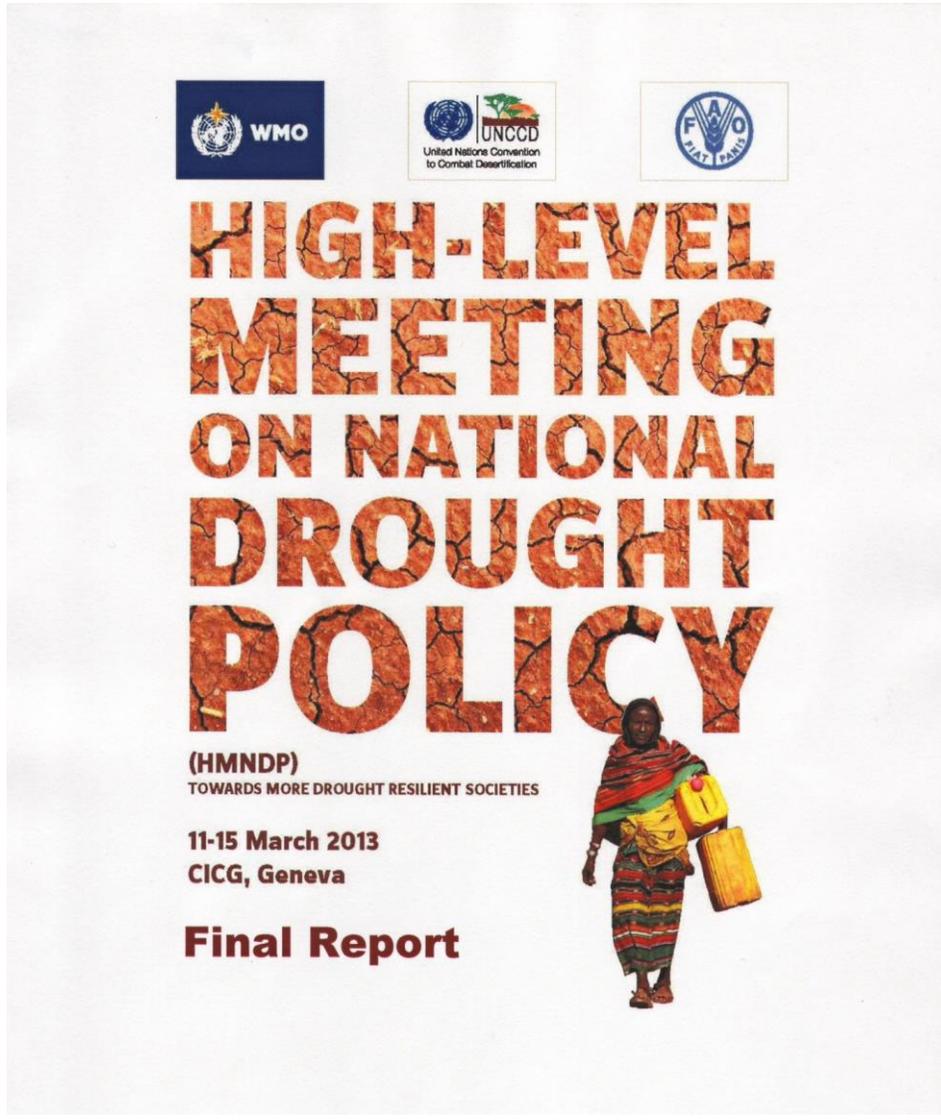
**Drought monitoring/prediction
as fundamental pillar of
practical Integrated Drought
Management**

5th International conference on the use of space
technology for water resources management

May 12, 2022

- 1. Overview of the Integrated Drought Management Programme**
- 2. Drought Monitoring and Prediction as component of Integrated Drought Management**

The Integrated Drought Management Programme



The heart of IDMP: over 40 Partners



Overcoming bad habits: Crisis vs. Risk Management:



Crisis Management

- Expensive
 - Costs + costs of inaction
 - Repeats past mistakes
- Post-impact
 - Drought relief
- Treats the symptoms of vulnerability, i.e., impacts
- Rewards poor management of resources
- Increases vulnerability, reliance on government & donors

Risk Management

- Investment
 - Short-term—EWS, networks
 - Long-term—institutional capacity, structural adjustments
- Pre-impact
 - Mitigates and reduces risks
- Identifies and treats the root causes of vulnerability and hazard
- Promotes improved stewardship of natural resources
- Builds self-reliance, reduces vulnerability

Source: Don Wilhite, 2015 [link](#)

[Link](#) to further work on the Economic Argument by the IDMP and World Bank

IDMP's Integrated Drought Management Helpdesk

The image shows three interactive buttons for the IDMP's Integrated Drought Management Helpdesk. Each button has a title in an orange box, a central icon, a descriptive text box, and a small '+' icon in the bottom right corner.

- Ask:** Features a question mark and an information 'i' icon. Text: "Ask for assistance on integrated drought management".
- Find:** Features a magnifying glass icon. Text: "Find knowledge resources on integrated drought management".
- Connect:** Features an icon of people holding hands in a circle. Text: "Learn about the activities of IDMP and connect to them".

www.DroughtManagement.info

The Three Pillars of Integrated Drought Management



Pillar 1:

- Integrated monitoring of key indicators
- Precipitation, temperature, soil moisture, streamflow, snowpack, groundwater, impacts, etc.
- Use of appropriate indices
- Used to trigger actions in drought plans
- Reliable seasonal forecasts
- Development/delivery of information and sector-specific decision-support tools

Potential Monitoring System Products and Reports

- **Historical analysis** (climatology, impacts, magnitude, frequency)
- **Operational assessment** (cooperative data, SPI and other indices, automated networks, satellite and soil moisture data, media and official requests)
- **Predictions/Projections** (SPI and other indices, soil moisture, streamflow, seasonal forecasts, SST's)

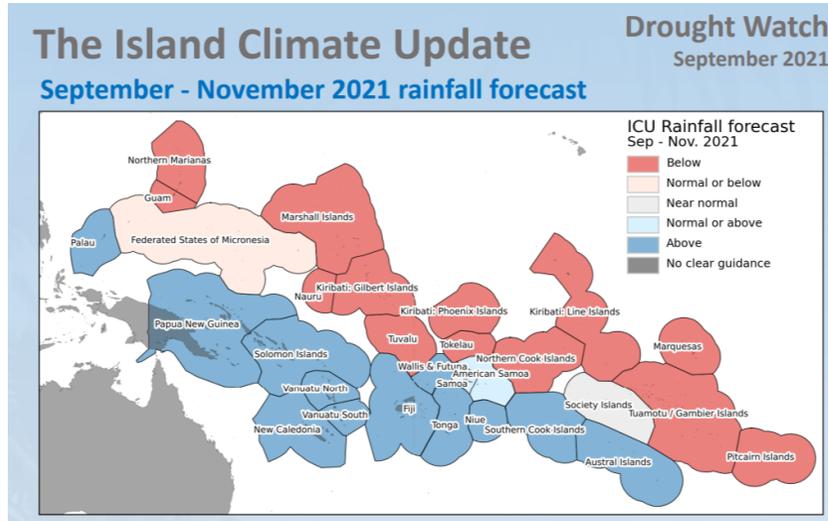
The central roles of EO for practical IDM

- Monitoring **AND** Forecasting
- **Tools** for decision makers
- Drought risk assessment and planning
- **Education** and awareness

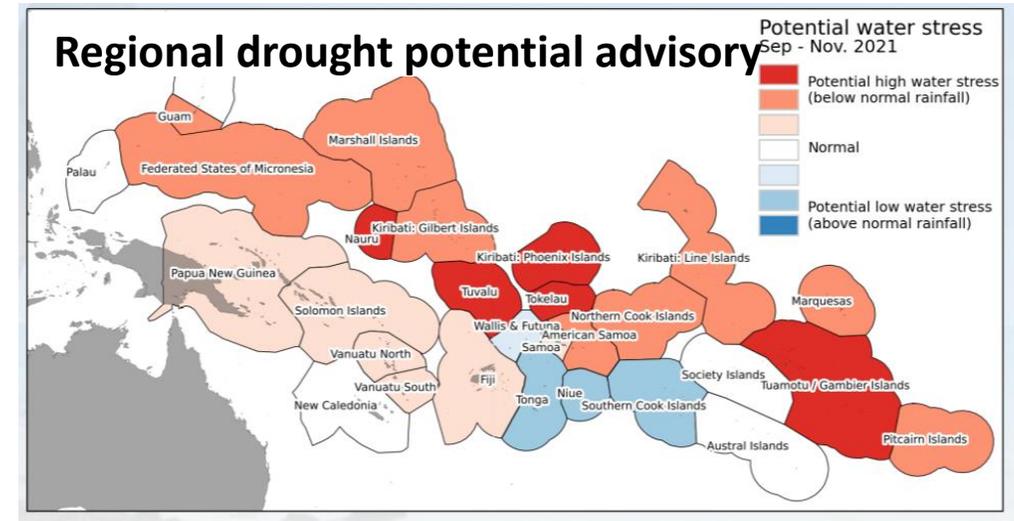


Examples of Seasonal Drought Forecasts

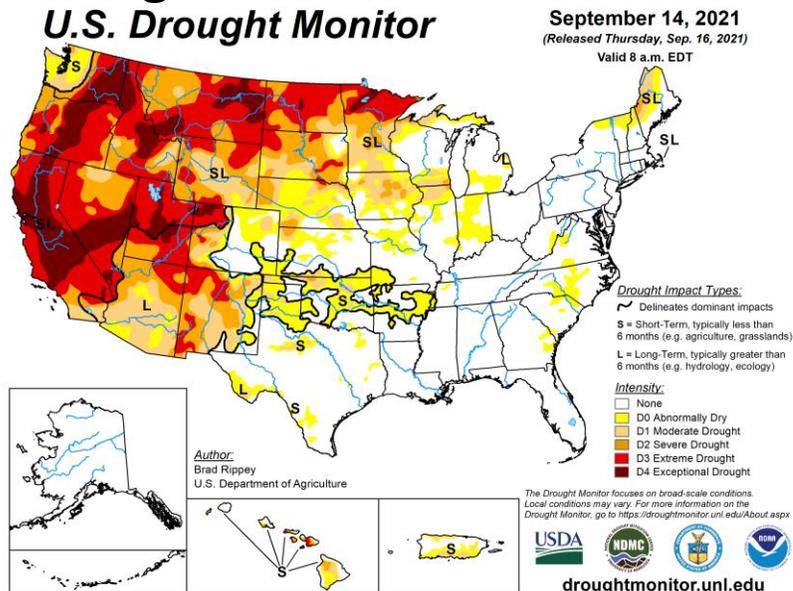
Seasonal Rainfall Forecasts linked to ...



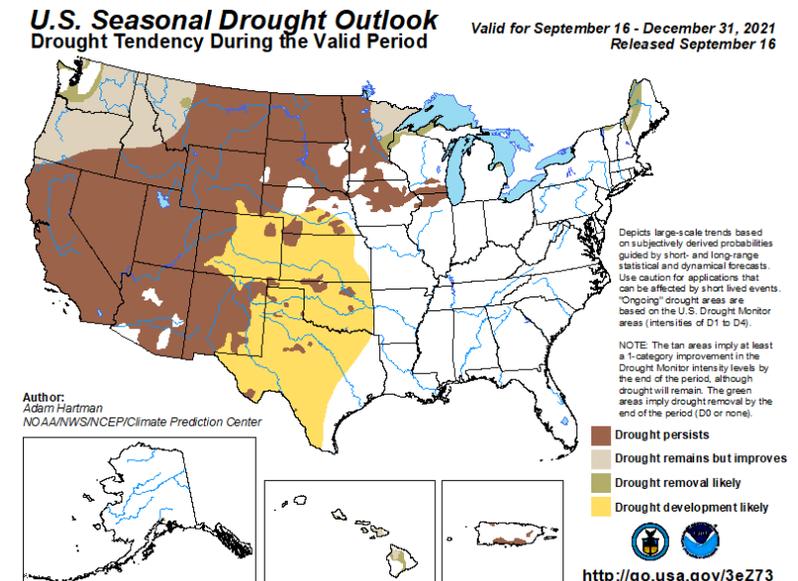
... Seasonal Drought Outlooks



Monitoring Products linked to



..... Seasonal Drought Outlooks



Get in touch: Integrated Drought Management Helpdesk

The image displays three interactive cards for the Integrated Drought Management Helpdesk. Each card has a title in an orange box, an icon, a description, and a plus sign in a small orange box at the bottom right.

- Ask:** Features a question mark and an information 'i' icon. Description: "Ask for assistance on integrated drought management".
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- Connect:** Features an icon of people in a circle. Description: "Learn about the activities of IDMP and connect to them".

Below the cards is a blue banner with the website address: www.DroughtManagement.info

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