



United Nations
Convention to Combat
Desertification

United for land

The Age of Resilience

Drought Challenges & Opportunities at the Global level

Drought Resilience +10 Conference, Works Stream 4, October 01, 2024



Current Drought Situation

Global Situation
Dysfunction in Graphs & Numbers
Stating the Problem(s)

Initiatives

UNCCD Drought Initiative
Intergovernmental Working Group on Drought
International Drought Resilience Alliance



The Future is yet to come

News from times to come
The bigger picture
Pathways to impact

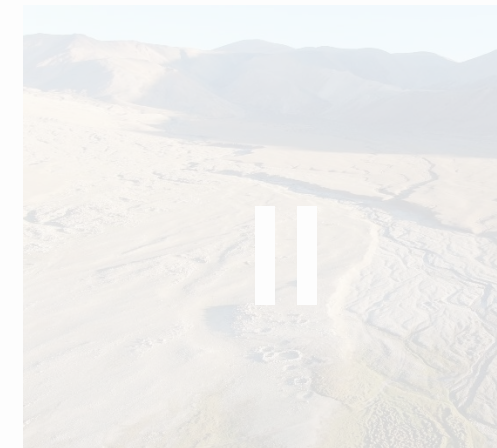


Current Drought Situation

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Pathways towards Resilience

IWG/IDRA/Drought Initiative
National Drought Policies
Drought Toolbox



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DROUGHT NEWS:

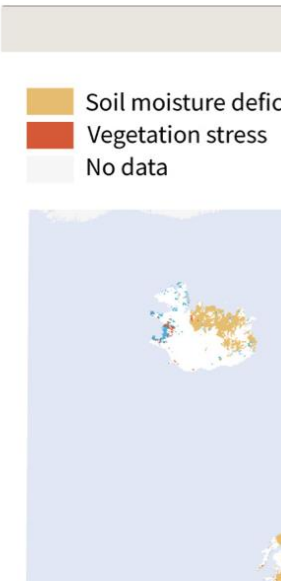
FROM AROUND THE WORLD (2023)



FROM AFP NEWS

Drought In Europe At The Beginning Of May

By SOPHIE RAMIS June 1, 2023



News ▾ Ukraine war Features Economy Opinion Video

News | Climate

Half of world's largest lakes, reservoirs losing water: Study

New study finds unsustainable human use has led to more than half of the largest lakes drying up around the world.

Boats are seen on the dried lake Poopo affected by climate change, in the Oruro Department, Bolivia in 2017 [File: David Mercado/Reuters]

19 May 2023

EU Science Hub

Home > JRC news and updates > Drought conditions threaten the economy

GENERAL PUBLICATIONS | 22 May 2023 | Joint Research Centre

Drought conditions threaten the economy

...average temperatures and record high temperatures. The cascading effects from lack of water will hit the hardest.



Drought threatens Morocco's breadbasket economy: World Bank



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Danish state forecaster warns of 'drought as bad as 2018'

Ritzau/The Local - news@thelocal.dk • 1 Jun, 2023
Updated Thu 1 Jun 2023 16:58 CEST



A barley field near Barmer in Denmark during the drought of 2018. Photo: Henning Bagge/Ritzau Scanpix

Denmark's state weather forecaster DMI is reporting an extremely high risk of drought for this summer, likening conditions to 2018, when the country



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Governments fall short in UN's East Africa drought appeal

Published on 26/05/2023, 3:20pm

Donor countries promised only a third of the \$7bn the UN was appealing for to provide humanitarian aid to drought-stricken Kenya, Ethiopia and Somalia.

News |

Can sea level

With &

ALJAZEERA News ▾ Ukraine war Features Economy Opinion Video

News | Climate Crisis

'Off the charts': UN report highlights rapid climate breakdown

Sea level rises double, and greenhouse gases in the atmosphere hit a record, World Meteorological Organization warns.

A Somali

By M

A United Nations Horn of Africa

The UN describes

Donors have promised to provide \$7 billion for humanitarian aid to drought-stricken

The number of people affected by drought in the region has risen to 100 million



or year for an estimated 1.2 billion people.

Global production of wheat has fallen by 62% since 2017.

As the figure for last year's report, "However, the vicinity of the drought is still a concern."



The melting of glaciers and sea level rises are on track to continue for thousands of years, the World Meteorological Organization warns in a report released on April 21, 2023 [File: Pernille Amdahl/Nansen Legacy]

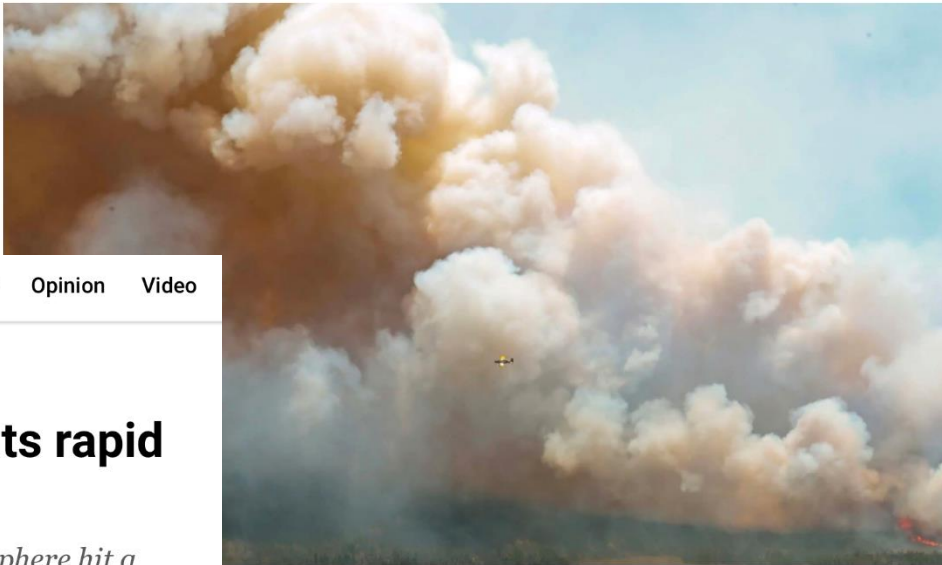
21 Apr 2023



Record levels of greenhouse gases have caused "planetary scale changes on land, in the ocean and in the atmosphere", a UN agency says in a report that shows the past eight years were the hottest ever recorded on Earth.



Canada Deploys Military to Battle Nova Scotia Wildfires



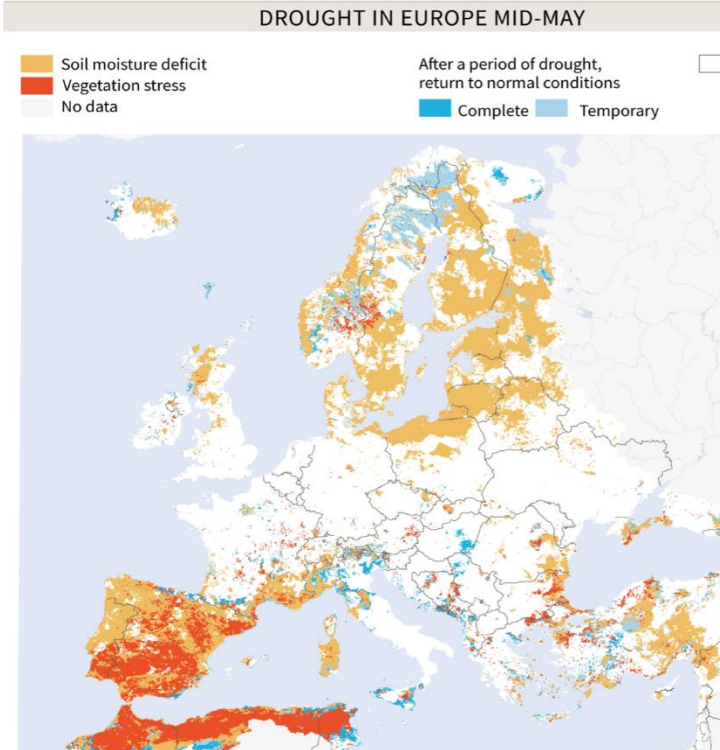
A fire in Nova Scotia, Canada, shows one of eight aircraft from New Brunswick that drops a bucket of water over the fire near Barrington Lake, Shelburne County.

Canada has sent military aircraft to its eastern province of Nova Scotia to help battle wildfires.

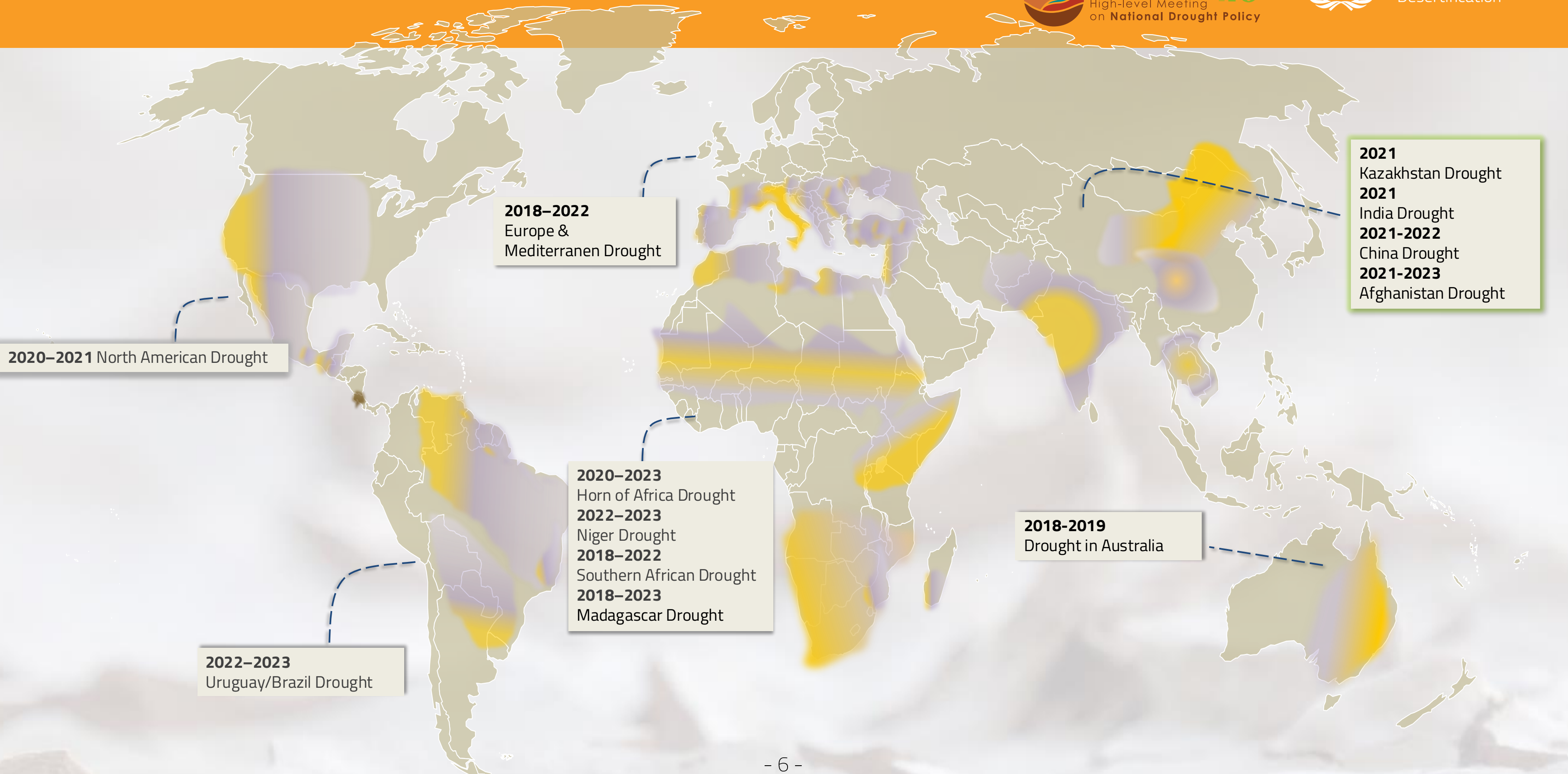
FROM AFP NEWS

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RECENT DROUGHT HOT SPOTS



Past drought management efforts have been reactive (costly, untimely, ineffective & poorly coordinated).

Impacts are increasing and becoming increasingly complex across sectors, demonstrating increasing vulnerabilities...yet,

Climate change is and will continue to alter the frequency, severity and duration of droughts for many regions
-> increasing costs and reducing recovery times.

Drought relief doesn't promote self-reliance, promotes greater reliance on government and donors, increases vulnerability

Eligibility for drought relief—adopters of appropriate management practices ineligible

Shifting the paradigm to risk management, redirects resources to preparedness and mitigation measures aimed at risk reduction

DROUGHT AT A GLANCE



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SHIFTING THE PARADIGM: FROM REACTIVE TO PROACTIVE APPROACHES



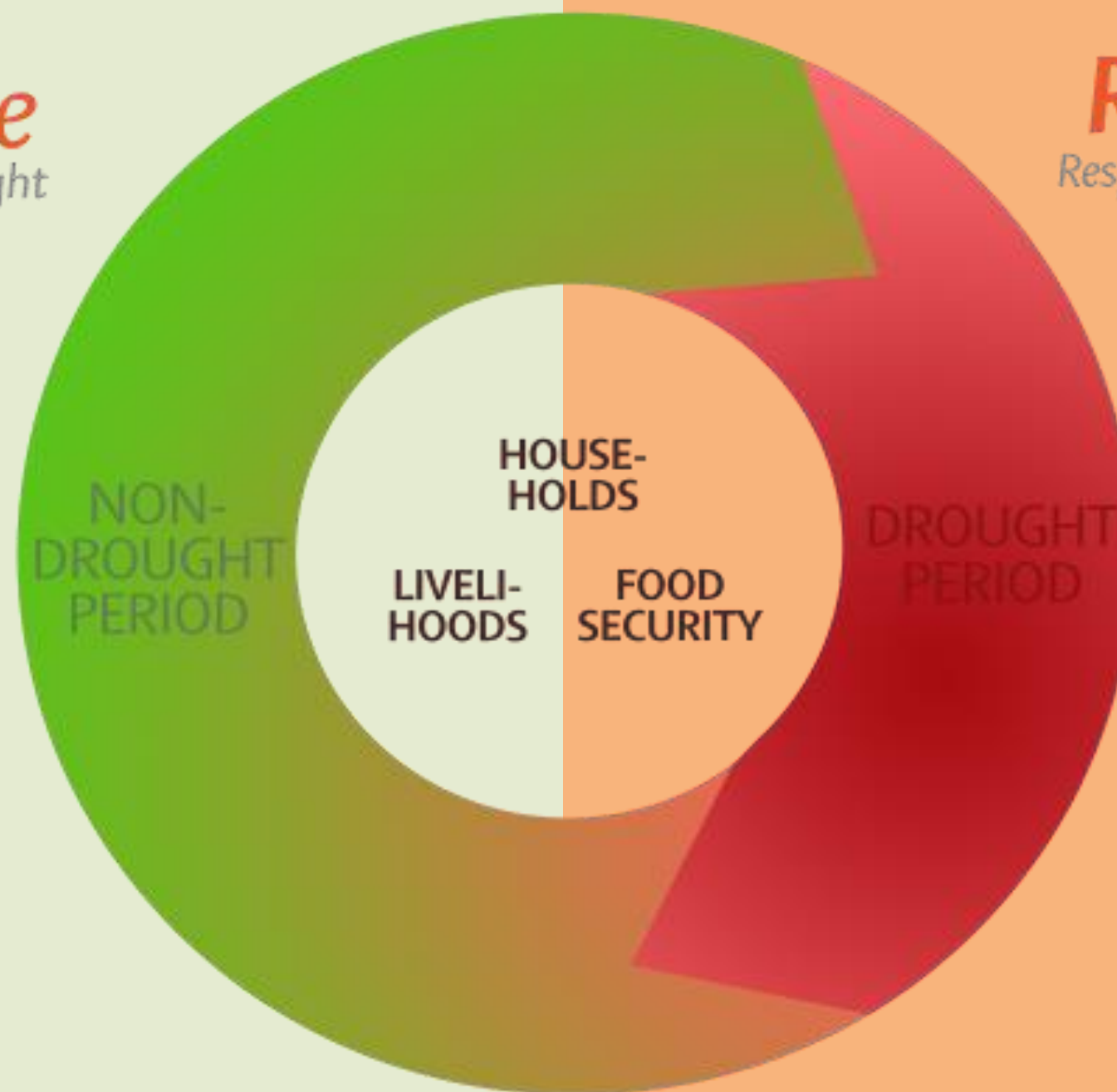
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Proactive *Preparing for drought*

Risk mitigation
measures

Vulnerability
assessment

Monitoring &
early warning



Reactive *Responding to drought*

Emergency
relief

Impact
assessment

Recovery

Restoration

Source: Bruentrüp and Tsegai (2017)



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Knowledge Hub



Select Language

Home

Knowledge Products and Pillars

The Science-Policy Interface

Topics

DROUGHT TOOLBOX

Providing drought stakeholders with easy access to resources to support action on drought preparedness with the aim to boost the resilience of people and ecosystems.

[About the toolbox](#) [ES/FR]

[Language support](#)

[Drought planning](#)

UPDATES



[COP14 Drought
Preparedness Day:
Drought Toolbox
delivered](#)



[Go to archive »](#)

The UNCCD Drought Toolbox

DROUGHT
Monitoring
and Early
Warning

Explore tools
and data

DROUGHT
Vulnerability
and Risk
Assessment

Explore tools
and maps

DROUGHT
Risk
Mitigation
Measures

Find tools and
solutions



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Food and Agriculture
Organization of the
United Nations



Global Water
Partnership



European
Commission



UN Environment-DHI Centre
on Water and Environment



WORLD
METEOROLOGICAL
ORGANIZATION



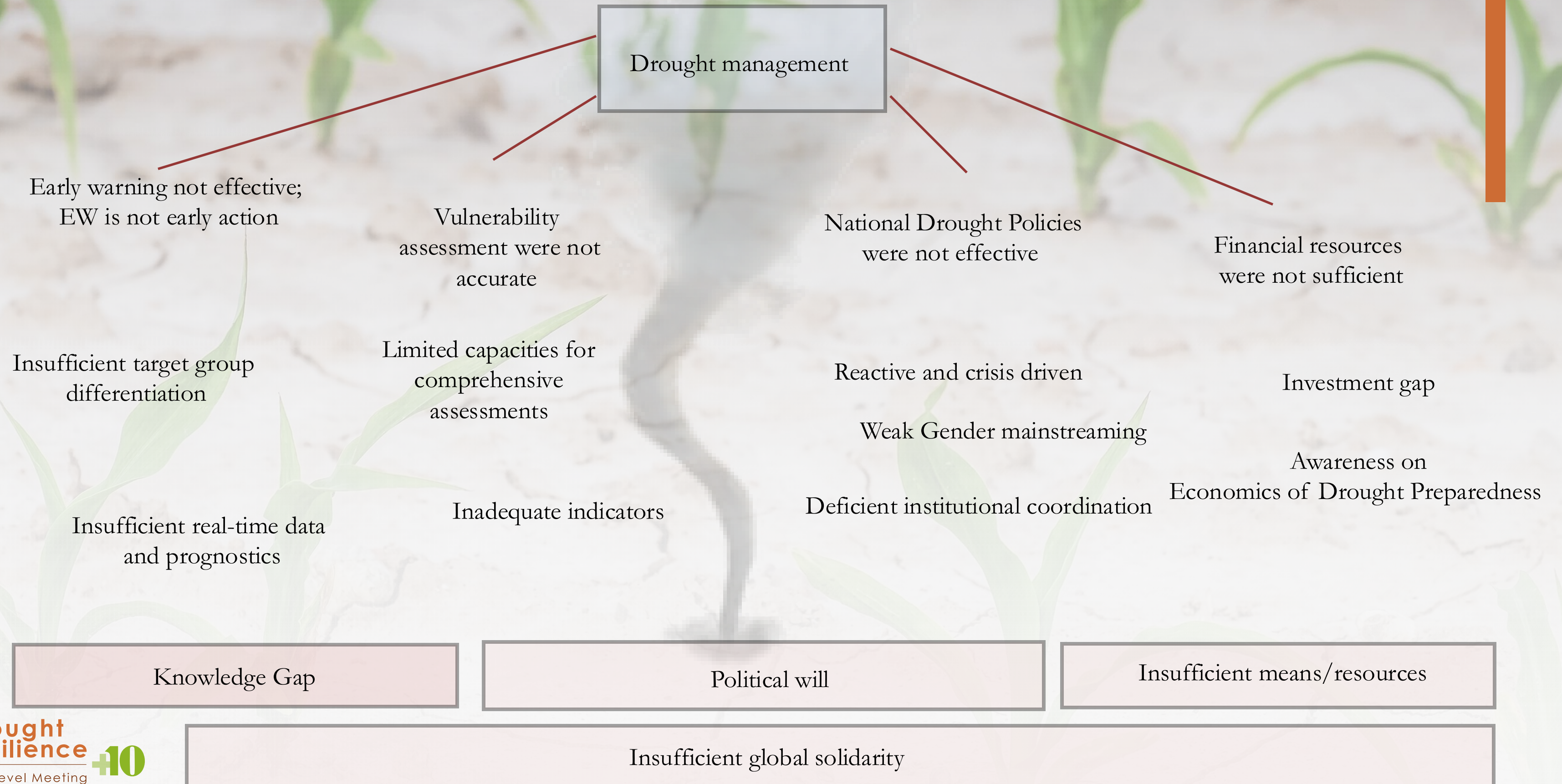
Drought
Resilience
+10
High-level Meeting
on National Drought Policy

DROUGHT PROBLEM - COMPLEX

WHAT ARE THE PROBLEMS OF EFFECTIVE DROUGHT MANAGEMENT?



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Current Drought and Land Degradation

Global Situation
Dysfunction in Graphs and Numbers
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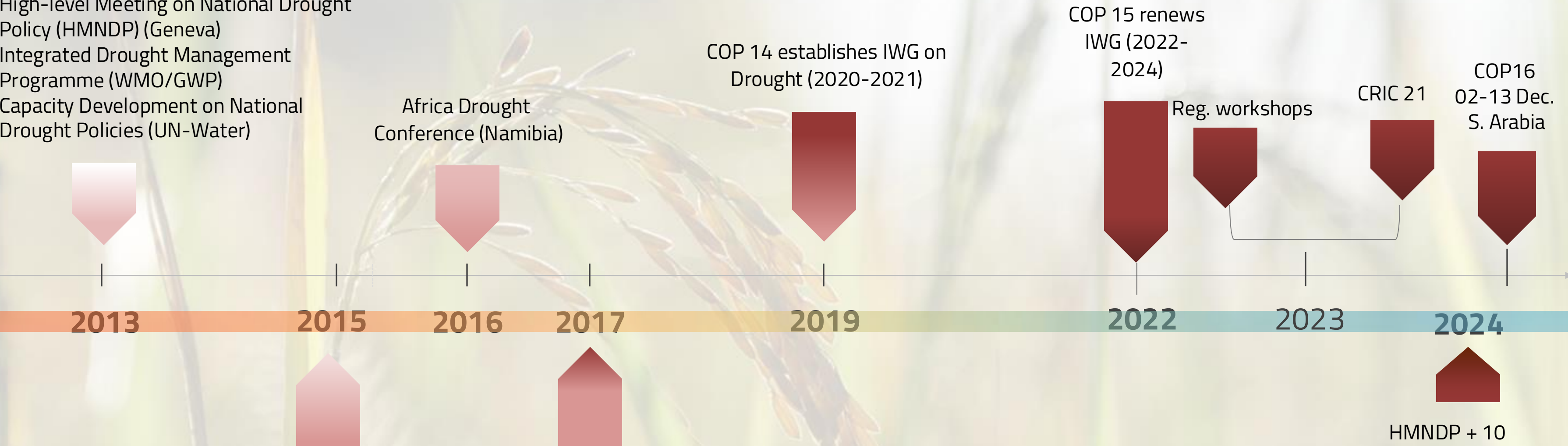


The Future is yet to come

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KEY MILESTONES: Global Drought Initiatives

- High-level Meeting on National Drought Policy (HMNDP) (Geneva)
- Integrated Drought Management Programme (WMO/GWP)
- Capacity Development on National Drought Policies (UN-Water)



- COP 13 establishes Drought Initiative
- COP 13 adopts a strategic objective on drought
- LAC Drought Conference (Bolivia)
- SDG Goal 15.3 (LDN)

The International Drought Resilience Alliance (IDRA)

Spearheaded by governments of Spain and Senegal & launched in Sharm El Sheikh during COP 27



A **collaborative platform** which aims to catalyze political momentum & action that supports countries, cities, & communities.

To **generate** political momentum to make drought resilience a priority to be mainstreamed in national development and cooperation policies

To **catalyze** the consolidation of regional initiatives/programs that facilitate action, innovation, technology & knowledge transfer & resource mobilization.

To **promote** full engagement of stakeholders, incl. the private sector.

To **facilitate** knowledge sharing & networking to increase synergistic impacts of stakeholders dealing with drought resilience.

To **mobilize resources** to enhance drought resilience in countries, cities, and communities.

World leaders recognize the need for urgent action

Alliance
International Drought
Resilience Alliance



IDRA Members



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38 Countries

28 Entities



IDRA Supporting Countries & Entities (as of 17 May 2024)



In support of:





Four Pillars for Drought Resilience Action





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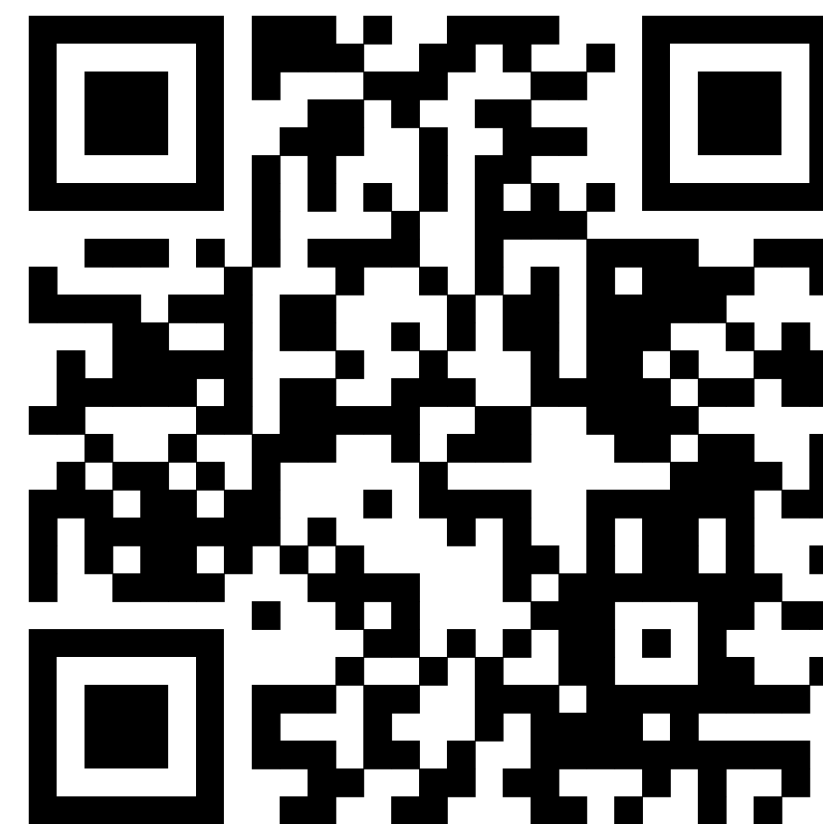
Global Drought Snapshot 2023

THE NEED FOR PROACTIVE ACTION



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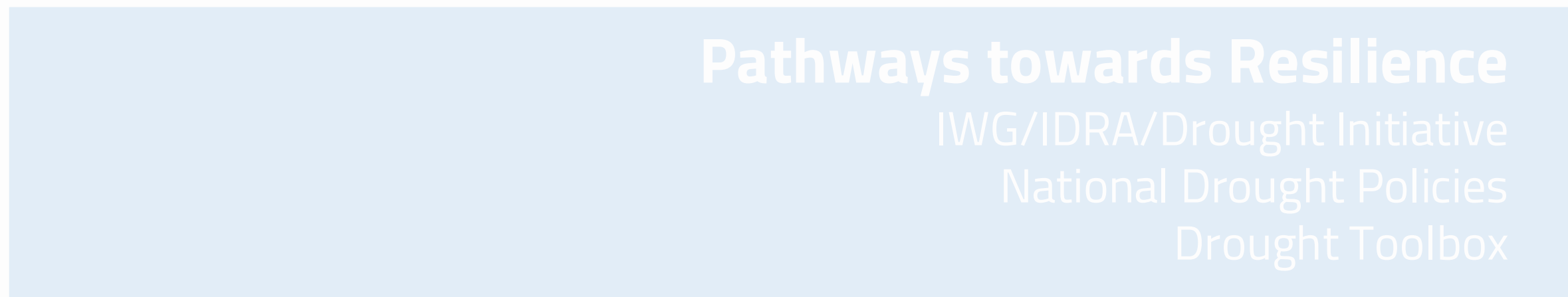
<https://www.droughtglobal.org/>

<https://idralliance.global/>



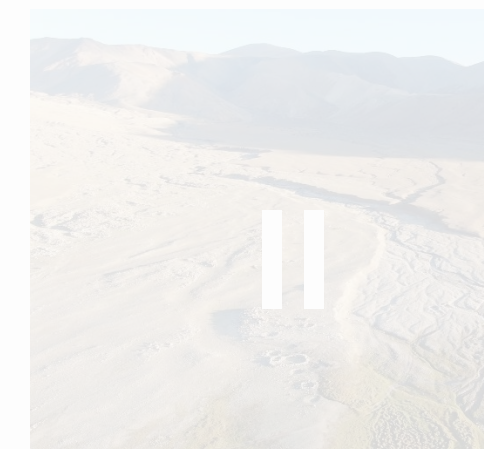
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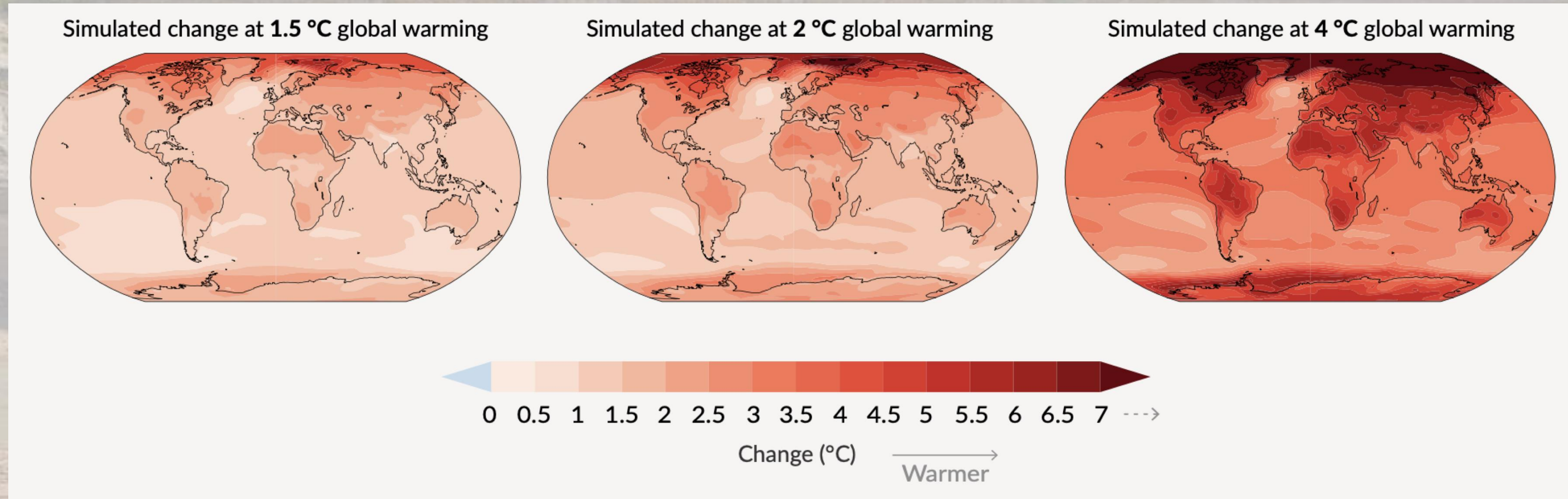
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HEATING PLANET

Annual mean temperature change relative to 1850-1900



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By 2050, droughts may affect an estimated three in four of the world's population.

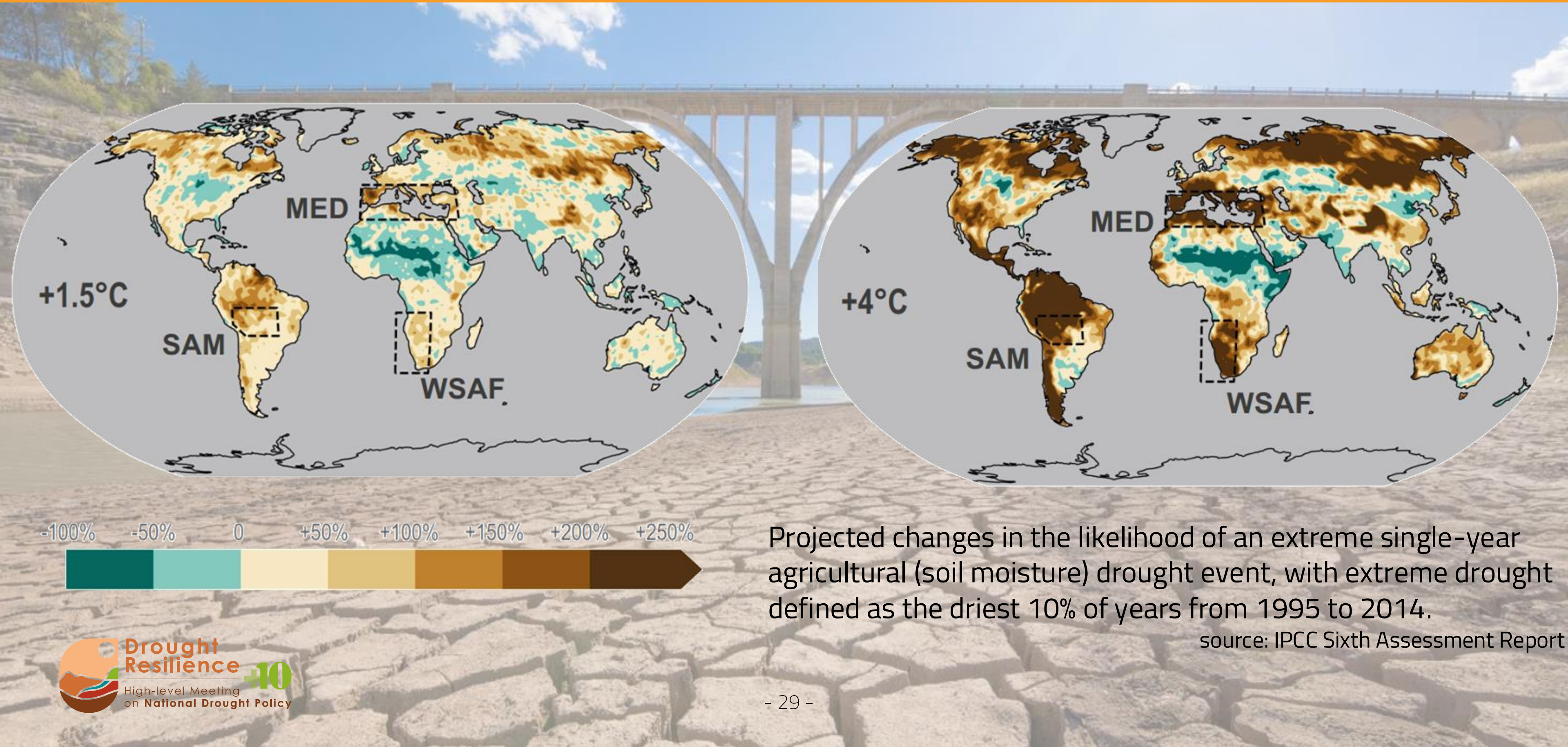
source: IPCC XI

TWO SCENARIOS 1.5°C VS 4°C

Changes in likelihood of extreme agricultural (soil moisture) drought years



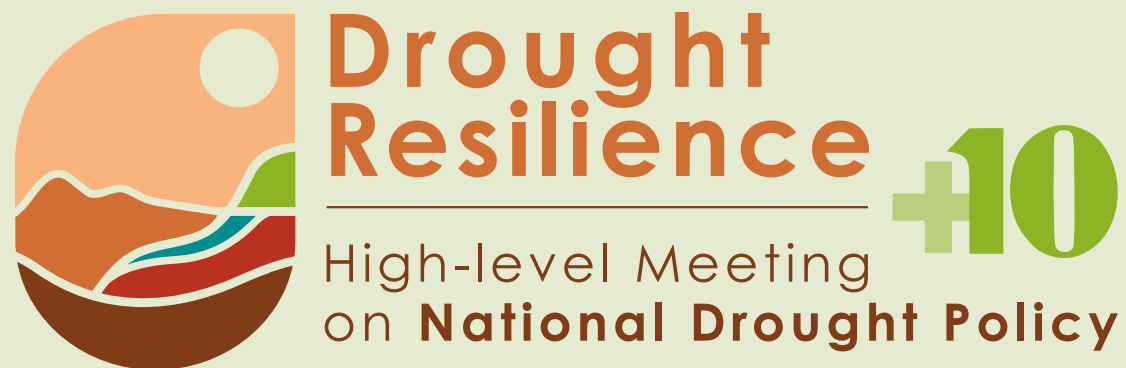
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DROUGHT SOLUTIONS at a GLANCE:

- ❖ Monitoring, forecasting and early warning needs to be enhanced.
- ❖ Holistic (also gender responsive) National Drought Plans need to be put in place.
- ❖ Understanding of the benefits of action vs. the costs of inaction needs to be fostered.
- ❖ Political will and leadership!
- ❖ Initial investment in building greater institutional capacity.
- ❖ Collaborative environment: supports and encourages coordination within and between levels of government/private sector
- ❖ Engagement w/Stakeholders, Research community & Media and extension/outreach
- ❖ Global cooperation & collaboration
- ❖ Coordination across sectors and regions needs to be strengthened for proactive drought management interventions.





Thank you!

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