

NEXT GENERATION DROUGHT INDEX PROJECT

Why and how we should rethink drought indicators

Stakeholders Webinar | Two-half day | Webex Sessions

15–16 June 2020 | 2:00–5:00 pm CET

Background

Early action and payouts triggered based on drought indices are increasingly used in efforts to reduce the cost of disaster response and recovery. However, most of these efforts still have meaningful challenges to overcome. Projects must have practical and concrete, step by step design processes for linking sophisticated science, modelling, and datasets with the information and needs from the insured and project stakeholders. This needs to be done at a much higher level of sophistication, with fundamental improvements in transparency and co-design.

The World Bank's Crisis & Disaster Risk Finance (CDRF) team is coordinating the **Next Generation of Drought Index Project (NGDI)** effort, through a research consortium led by IRI and including IWMI and AIR Worldwide, to catalyze this transformation of insurance development. With technical support from ESA, NGDI is developing a practical framework for a set of indicators that will better monitor and trigger financial responses to severe drought events.

A series of workshops and a focus on case studies in Senegal and Mozambique are being utilized to work through concrete use cases with key stakeholders to inform the design of the process and to make the end product as reliable and as relevant as possible to user's needs. The proposed workshop is the third of the series, following the stakeholders' consultation in July 2019 and an intermediary technical session in March 2020.

Objectives

The main objective of this workshop is to present preliminary results and collect feedback from key stakeholders and beneficiaries of this project. The specific objectives are to:

- Present overall methodology and validate the Senegal case study by participants
- Evaluate the operational utility of the prototype tool for feedback from users and project partners
- Present options, methods, data, and elements for the hybrid index and receive feedback
- Present proposed method for linking hazards to vulnerability in a data poor environment

Expected outcomes

- Senegal case study is evaluated and key gaps identified
- Recommendations for improving the operational utility of the NGDI framework are captured
- Limitation of the hybrid index method and key inputs for improvement are identified

Workshop participants

The workshop participants will include project funders and partners as well as renowned experts and critical stakeholders from *ESA, World Bank/IFC, IRI/IWMI/AIR, WFP, ARC, OCHA/HDX, JRC, START Network, ACRE.*

With support from:

Time (CET, Rome)	Activity	Lead/Speakers
14:00 – 14:10	Welcome and opening remarks	WB/Olivier Mahul (Practice Manager, FCI, Global) ESA/Stephen Coulson (Head of Sustainable Initiatives Office)
14:10 – 14:15	Drought risk finance in Senegal	WB/Consolate Rusagara (Practice Manager, FCI, West Africa)
14:15 – 14:25	Leveraging technology and analytics for financial preparedness to climate risks	WB/Antoine Bavandi (Crisis & Disaster Risk Finance)
14:25 – 14:35	ESA perspective on global drought risk monitoring	ESA/Benjamin Koetz (Science, Applications, Climate)
14:35 – 14:50	Overview of the NGDI project and objectives	IRI/Dan Osgood (Principal Investigator)
14:50 – 15:15	Presentation of NGDI Platform with example	IRI
15:15 – 15:30	Q&A	Participants
15:30 – 16:00	Sensitivity analysis	AIR
16:00 – 16:15	Linking hazard, vulnerability and impact/loss	WB/IRI/IWMI
16:15 – 16:45	Replicability of the NGDI framework	IRI/AIR/IWMI
16:45 – 17:00	Synthesis and wrap up	IRI/WB/ESA

Time (CET, Rome)	Activity	Lead/Speakers
14:00 – 14:15	Welcome and Introduction of Day 2 Objectives	WB/ESA
14:15 – 14:30	Next Gen performance review criteria case studies	IRI
Practical Exercises		
14:30 – 14:45	Defining the spatial scale	Participants/IRI
14:45 – 15:00	Comparing datasets	Participants/IRI
15:00 – 15:15	Tuning an Index	Participants/IRI
15:15 – 15:30	Linking hazard to vulnerability	Participants/IRI
15:30 – 15:45	Overview of SPEI Index	ESA Climate Cluster/TSVG
15:45 – 16:15	Q&A, Discussion	Participants/IRI
16:15 – 16:30	Performance review summary	IRI/Participants
16:30 – 16:45	Synthesis and next steps to project completion	IRI/IWMI/AIR
16:45 – 17:00	Wrap-up, follow-up activities and closing remarks	ESA/WB

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Organisers

The World Bank

Finance Competitiveness & Innovation Global Practice

The European Space Agency – Centre for Earth Observation ESA/ESRIN

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