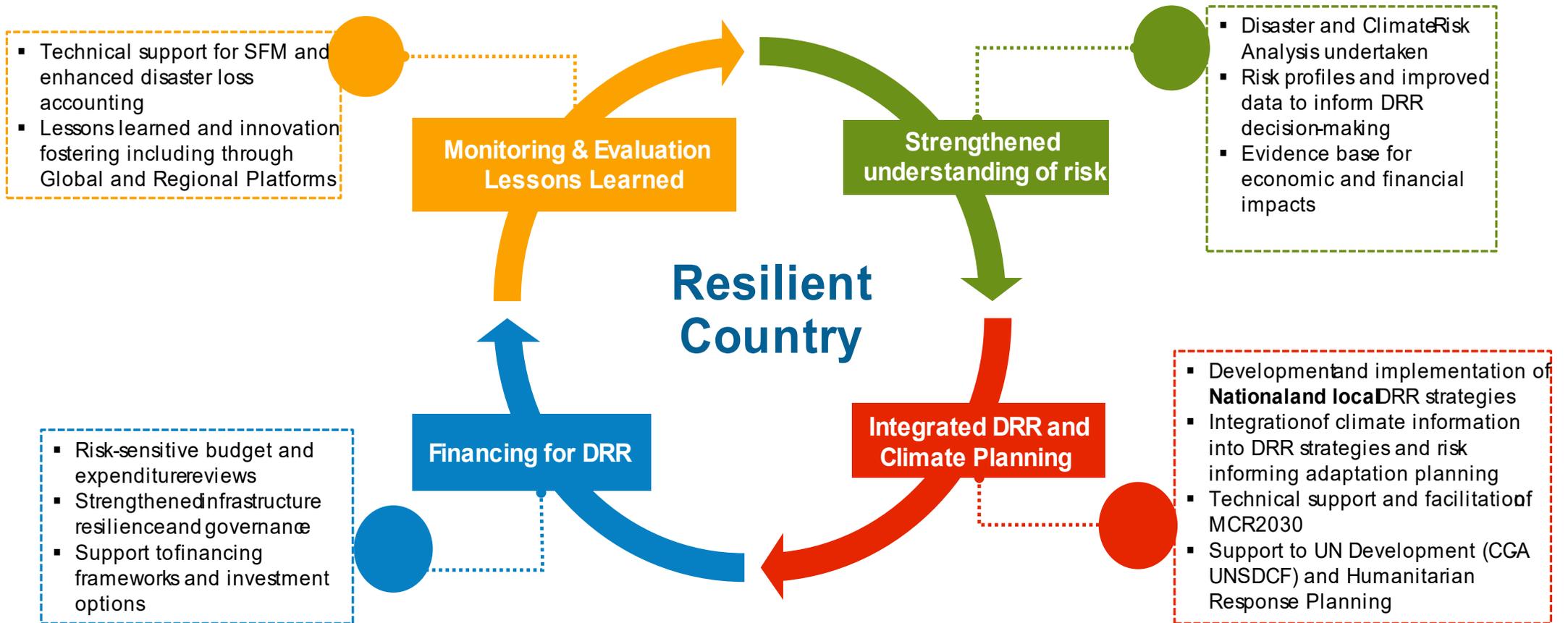


Risk Information Exchange & Classifying Hazards

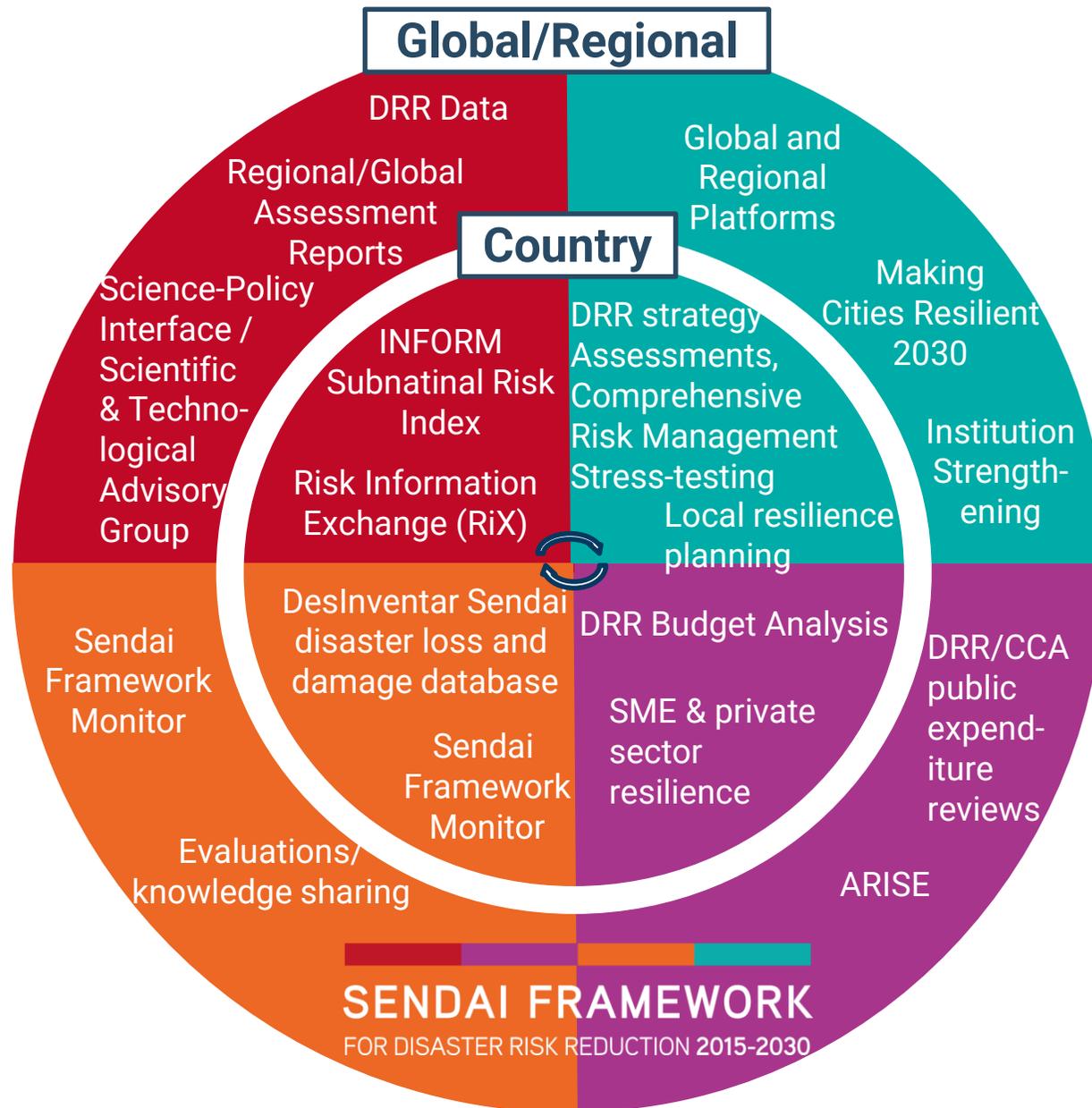
EM-DAT STAG - 20-21 March 2023

Adam Fysh - UNDRR

Turning the Sendai Framework into action at country level



Country Support Approach



Disaster Risk Knowledge

INFORM

Countries equipped with INFORM subnational risk indexes to support decision-making on prevention, preparedness and disaster response.



Countries reporting progress on the online Sendai Framework Monitor

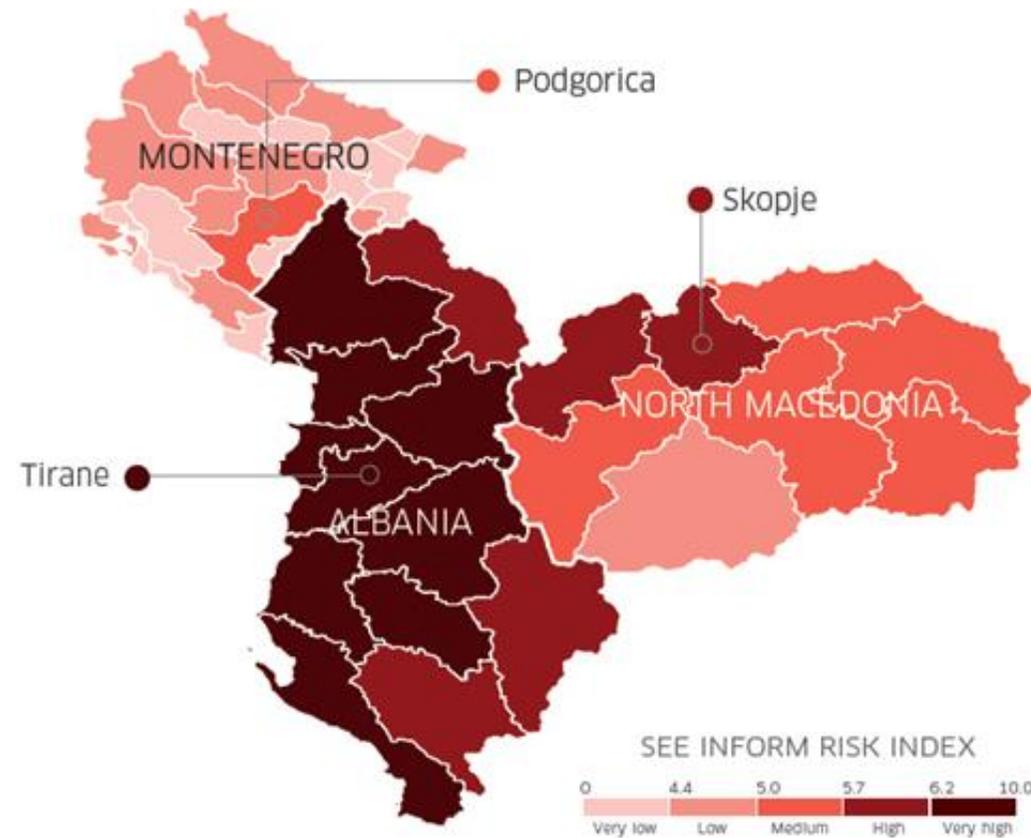


Countries supported to use the DesInventar Sendai database

Risk Information Exchange

Roll-out of new Risk Information Exchange in Europe and Central Asia will begin in **2023**.

© UNDRR – United Nations Office for Disaster Risk Reduction



What is RiX?

- An aggregator of data sources on hazards (including climate-related), exposure, vulnerability, loss and damage, and other impacts from reliable generators of risk information
- A repository of open-source global, regional & national risk information

- Facilitates access to available risk information
- Visualization and database tool to accelerate risk-informed planning
- Organizes information by a standard set of hazard definitions
- Identifies risk knowledge gaps to inform efforts to fill them (e.g., old flood maps)

RiX is not:

- Replacing or hosting other tools or platforms
- A real-time disaster incident monitoring tool

Risk information to inform decisions

DATA

Strengthening access, analysis, and visualization of risk data.

ANALYSIS

Catalyzing new knowledge for risk-informed development and humanitarian action

CAPACITY

Technical Support and Tools

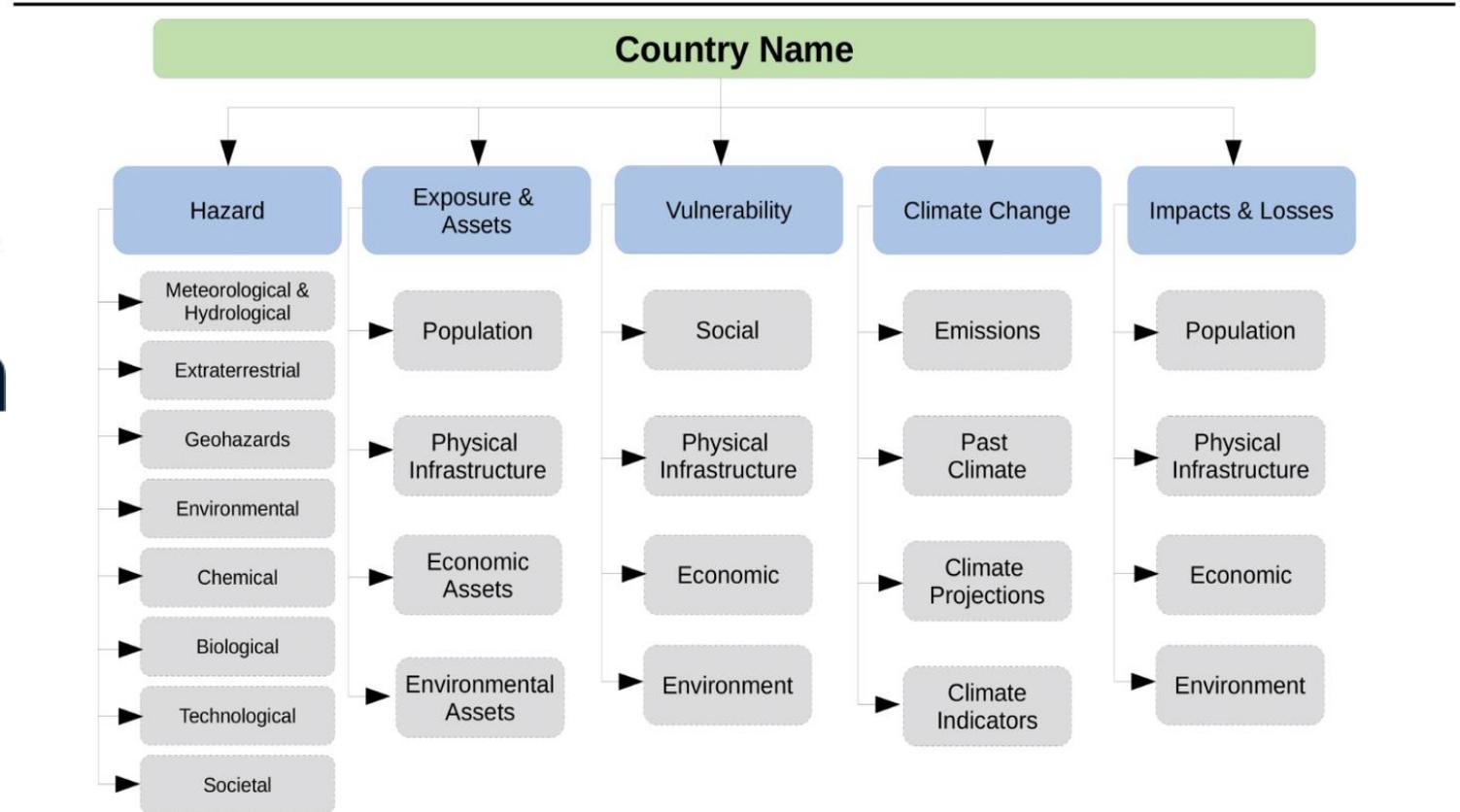
NETWORK

Influencing agenda setters and financing systems

RiX Data Structure

Risk Information Exchange

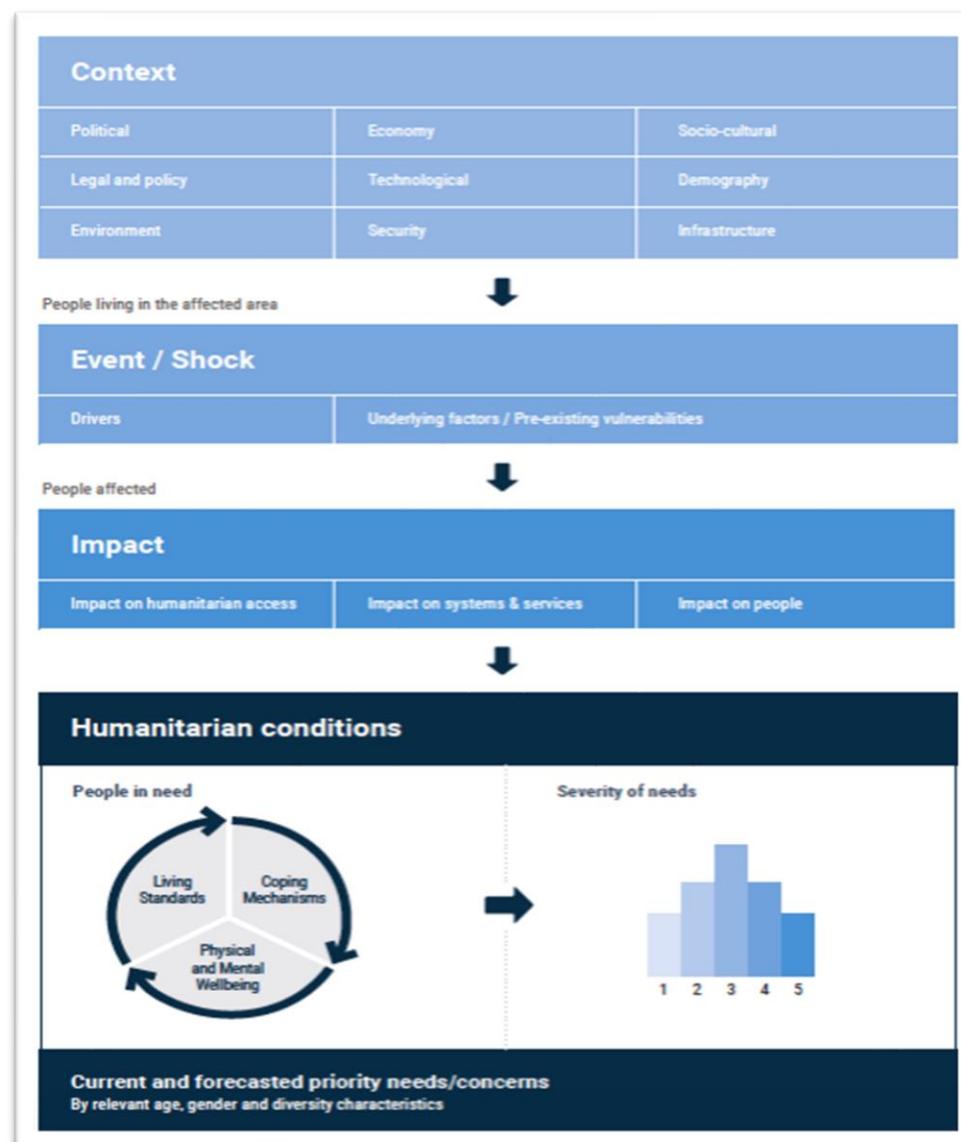
Risk Information eXchange (RiX)



METADATA AVAILABLE IN RiX

- Organization type (Gov, UN, NGOs, researchers, private sector)
- Spatial & temporal resolution
- Broad sectoral coverage
- 13 SDG risk areas linked to national UN Sustainable Development Frameworks
- Joint Inter-sectoral Analysis Framework) CCA
- Data type & format (e.g., SHP, CSV, TIFF)

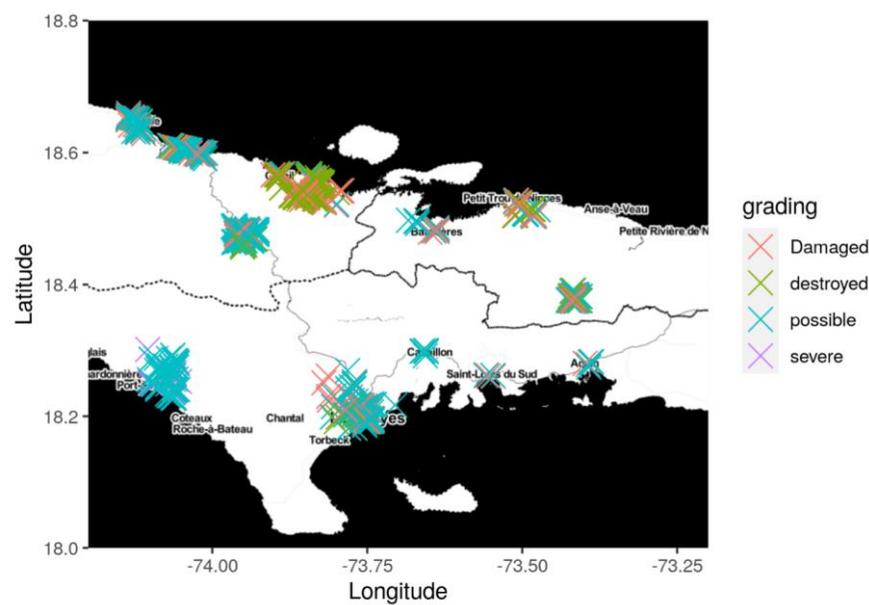
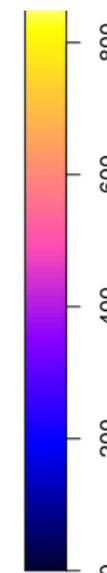
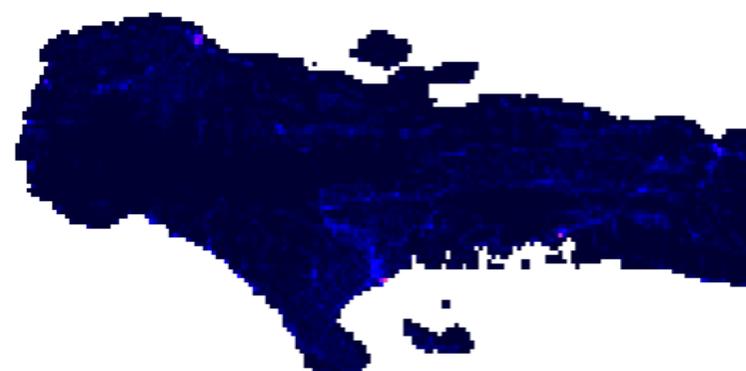
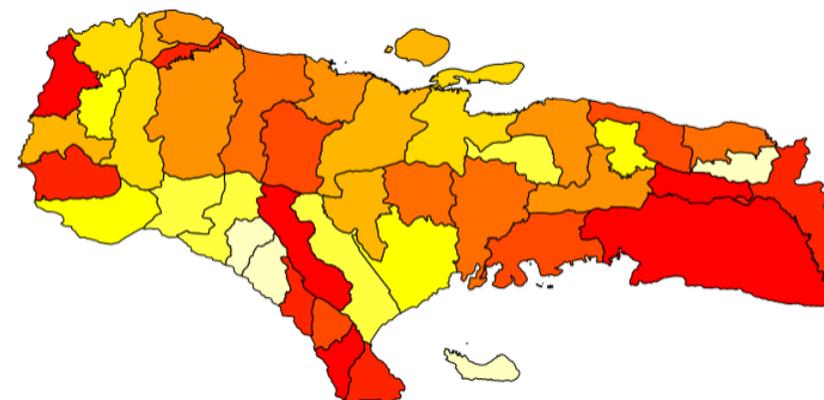
SDG Risk Areas



DATA TYPES & REQUIREMENTS

RiX will provide use-case examples of disaster risk data & information

- Spatial data
 - Gridded
 - Admin Levels
 - Other
- Temporal data
 - Regular
 - Sparse



Risk Information Exchange (RiX): Design

Searchable by:

- Region, country, sub-national, local
- 302 standardized hazard definitions based on International Science Council/UNDRR Hazard Classification
- exposure & vulnerability
- Climate change projections & variables
 - Thematic sections of UN Common Country Assessment template
 - JIAF (Joint Inter-sectoral Analysis Framework) categories underpinning Humanitarian Needs Overview
 - 13-SDG based risk areas

Features:

- Curated map viewing on hazards, vulnerability and exposure
- Meta-data about risk information
- Admin 1, 2, and 3 levels (where risk data exists)

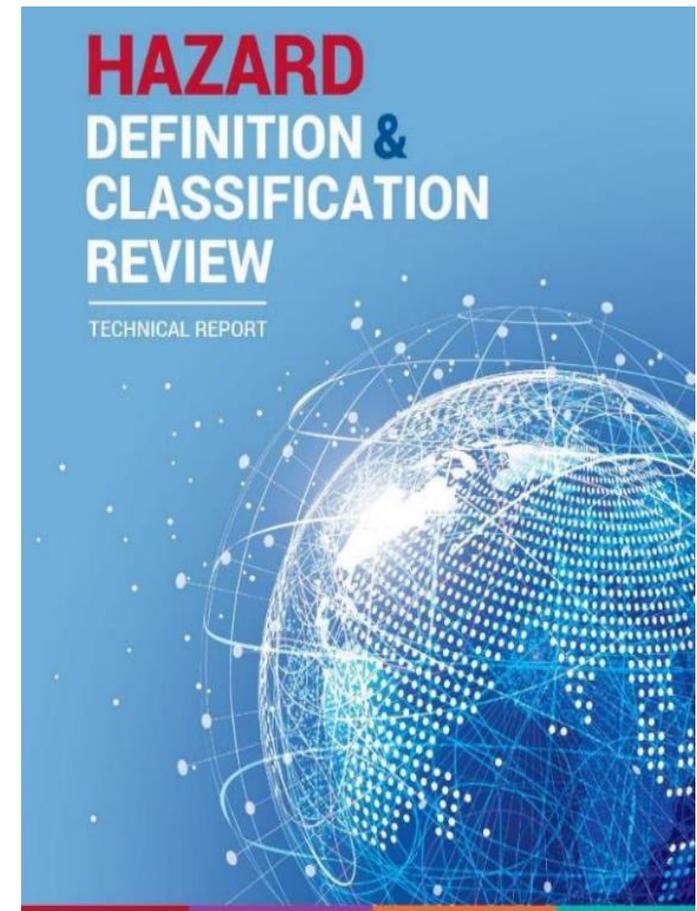
Future features (2023):

- Loss and damage and impact datasets imported from IDMC-GIDD, EM-DAT, DesInventar, GDACS, and Global Crisis Databank with IFRC and partners
- Use-case story boards
- Upload function to accelerate national data acquisition
- Comparison of global risk datasets across countries

Harmonization and Common Terminologies

RiX supports national implementation of the Sendai Framework, the SDGs, and Paris Agreement by **providing a common set of hazard definitions**, leveraging the data revolution, rigorous accountability mechanisms and renewed global partnerships.

- Meteorological and hydrological
- Extraterrestrial
- Geohazards
- Environmental
- Chemical
- Biological
- Technological
- Societal



Thank you!

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