

# INFORM Suite

Shared evidence for managing risk, crises and disasters

## Risk informed urban development (RIUD)

GIZ SV Global Initiative on Disaster Risk Reduction GIZ GV Connective Cities

**Insight moment:** Harnessing the INFORM platform as a tool for national authorities to design the DRR strategies at different levels, from local to national

# Karmen Poljanšek

Team: Karmen Poljanšek, Luca Galimberti, Daniele Dalla Valle, Sepehr Marzi

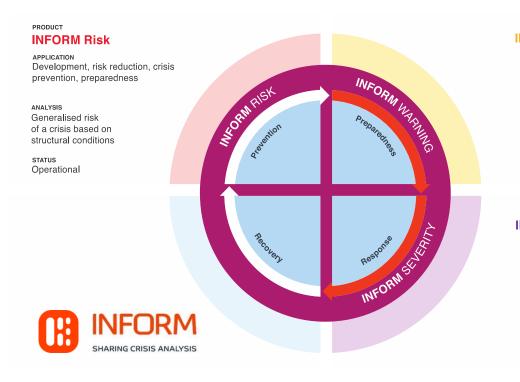
JRC E1 Disaster Risk Management

**Joint Research Centre** 

the European Commission's in-house science service



### **INFORM PRODUCTS**



#### INFORM Warning

APPLICATION
Preparedness, early
warning, early action

Indicatons of elevated risk, emerging crisis or crisis trigger

STATUS In development

### INFORM Severity

Early action, crisis response

ANALYSIS Severity of an existing crisis

Operational

### FIND OUT MORE ABOUT INFORM VISIT

https://drmkc.jrc.ec.europa.eu/inform-index

OPERATIONAL TOOLS: INFORM Risk

**INFORM Subnational Risk** 

**INFORM Severity** 

TOOLS in BETA VERSION: INFORM Epidemic Risk

INFORM COVID-19 Risk

INFORM COVID-19 Warning

TOOLS in DEVELOPMENT: INFORM Climate Change Risk

INFORM Subnational Risk – new initiatives

**INFORM Warning** 

Contact point: Karmen Poljanšek

karmen.poljansek@ec.europa.eu





### **INFORM PRINCIPLES**

### **INFORM PARTNERSHIP**

#### Global

INFORM Global products cover 191 countries and Subnational products include all parts of the region or country they cover.

### Reliable

INFORM products use the best available methods and data. INFORM partners have committed to make them available into the future.

### Open

All INFORM products are freely available and the methodology and sources are open and transparent.

### **Flexible**

INFORM products can be easily adapted and included into the decision-making processes of users.

























INFORM Partners











**INFORM Steering Group** 























INFORM is a collaboration of the Inter-Agency Standing Committee and the European Commission. The Joint Research Center of European Commission is the scientific and technical lead for INFORM. UN OCHA is coordinator of INFORM.





# INFORMRISK measures a risk of humanitarian crisis and disasters of the countries

### **HOW IT WORKS**

# **INFORM RISK INDEX** Vulnerability Lack of coping capacity Vulnerable Human Institutional Infrastructure economic groups Development & Deprivation (50%) Communication +80 indicators

### HOW TO USE IT



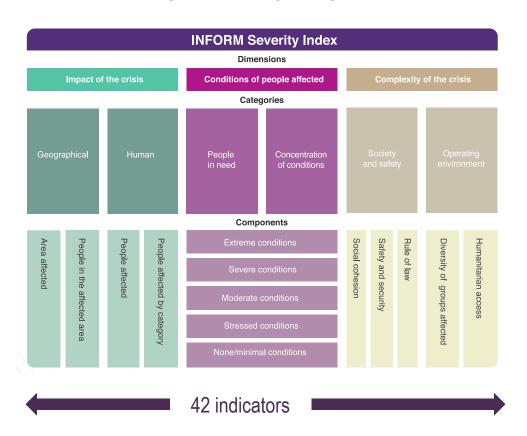




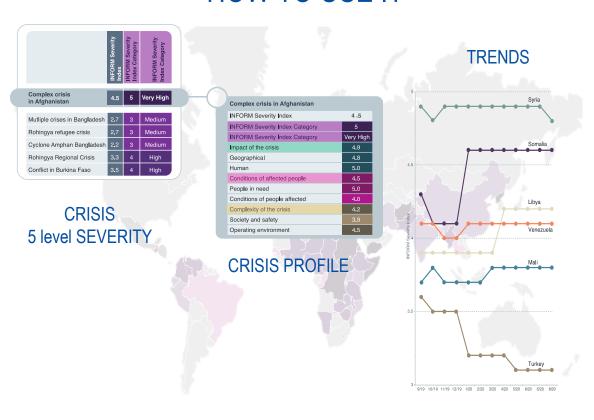
# **INFORM**SEVERITY

## measures the severity of humanitarian crisis globally

### **HOW IT WORKS**



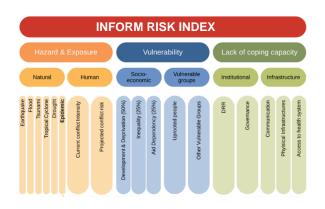
### HOW TO USE IT

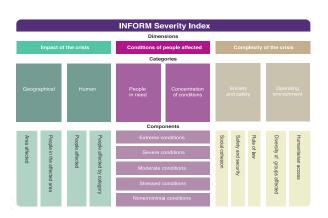






## THE POWER OF COMPARABILITY





Be able to **compare** across country's risk or across crisis globally

Lead to common and objective understanding of risk or crisis severity

Be able to **prioritize** and allocate the resources proportional to the level of risk or severity of the crisis

Be able to **monitor trends** over time of country's risk or crisis severity and get feedback of action taken

Be **Clear** what decision you made and why because having an insight into the drivers

and be transparent





### HOW INFORM PRODUCTS ARE USED

#### **World Food Programme**

The INFORM Risk Index is used in its Corporate Alert System.

Analyses emerging risks to trigger timely and adequate preparedness and response - and to support the inter-agency Early Warning, Early Action and Readiness Analysis process.

#### **OCHA**

INFORM products are used to support decisions on funding from the CERF Underfunded Emergencies window.

In the Sahel region, the INFORM Sahel

Subnational Risk Model has been

used to support humanitarian and

**UNDP** 

development planning, as well as the

UN Integrated Strategy for the Sahel.

INFORM products are

used in internal crisis

INFORM Risk is used in internal

funding allocation approach

risk dashboard

**USAID** 

#### WHO

IMF

INFORM products are integrated in Epidemic Intelligence from Open Sources (EIOS), initiative coordinated by WHO

The INFORM Risk Index is used in new Climate Change Indicators Dashboard (CID for physical risk category.

#### IOM

INFORM Risk is used in internal emergency preparedness dashboard

#### **ECHO**

INFORM products are used as part of its funding allocation algorithm.

Supports decision-making on its Annual Aid Strategy.

#### **IFRC**

The INFORM Risk Index is used as a baseline risk analysis for its Priority Countries and INFORM Subnational Risk Models in its Community Risk Assessments.

#### **FCDO**

INFORM products are supporting decision making on development and humanitaria

#### INTPA

The INFORM Risk index is used in internal Global **Development Data Tool** covering the Africa region

#### **European External Action Service**

INFORM COVID-19 Risk used as additional contextual information to Global Conflict Risk Index

#### EAC

INFORM products are part of the methodological framework to assess the safety and security of the future EU Humanitarian Aid Corps

INFORM is increasingly recognised to support humanitarian, DRR and development agenda.





## **INFORM USERS STATISTICS**

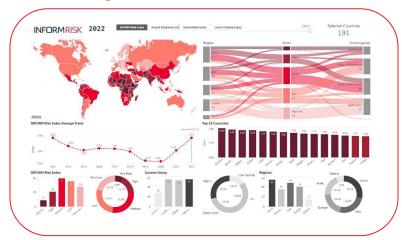
>1500 downloads per month





# INTRODUCING DATA ANALYTICS INFORMRISK

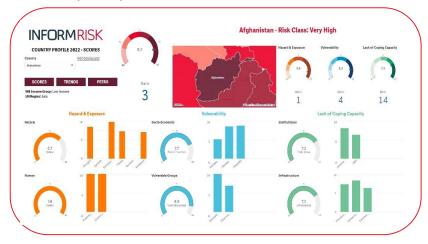
#### Facts and figures







#### Country risk profiles



### **INFORM**SEVERITY

Facts and figures







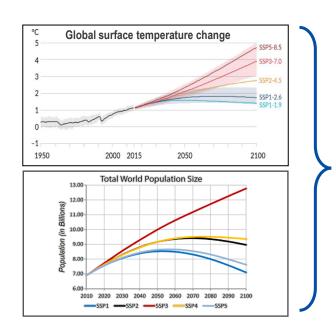
#### Crisis severity profiles



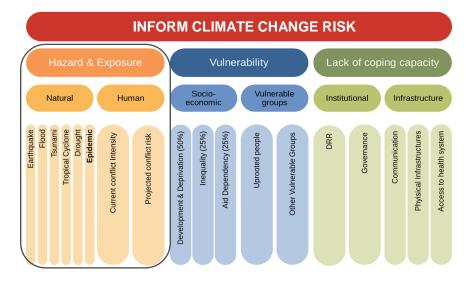
### INFORM CLIMATE CHANGE RISK



The INFORM Climate Change Risk is an upgrade of the INFORM Risk. It shows how INFORM Risk will change in 2050



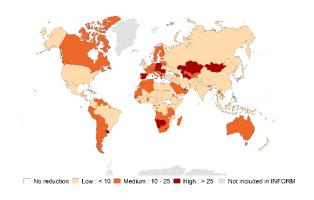
The overall objective of the INFORM Climate Change Risk
Develop a common evidence-based tool for risk-informed decisionmaking that can help unify disaster risk reduction and climate
change adaptation strategies.



#### Results

It computes the **future risk** of climate-related amplified hazards and **vulnerability gap** 

INFORM Vulnerability gap in 2050 (%) (RCP8.5-SSP3) to maintain the baseline risk 2021



It uses projections based on

- Representative Concentration Pathways (RCPs)
- Shared Socioeconomic Pathways (SSPs)

It includes **climate and demographic projections**. Not yet vulnerability projections.

The largest mid-century vulnerability gap is observed in much of Europe, Western and Northern Asia and Africa. Countries there will need heavy investments in reducing vulnerability and increasing coping capacity to keep the manageable risk levels





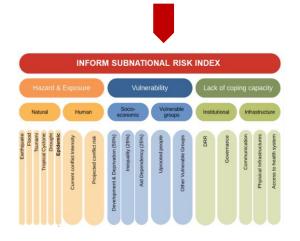
It is also possible to incorporate analogous modifications into **INFORM subnational models**, since the Hazard&Exposure data are analysed at very fine scale.

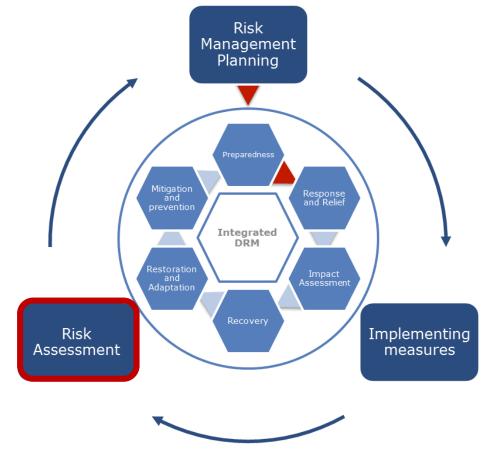


### From INFORM GLOBAL to INFORM SUBNATIONAL

INFORM SUBNATIONAL as a part of RISK GOVERNANCE It could facilitate:

- the reading of risk information by national decision makers ,
- common understanding of risks that your country is facing by a wide range of actors involved,
- allowing comparability in space and time, prioritization and transparency
- evidences for DRM planning process.







can be a tool in hands of national authorities to design the national DRR strategies



# Thank you

# Find out more visit

https://drmkc.jrc.ec.europa.eu/inform-index



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the <u>CC BY 4.0</u> license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



