



Drought impact reporting & assessment

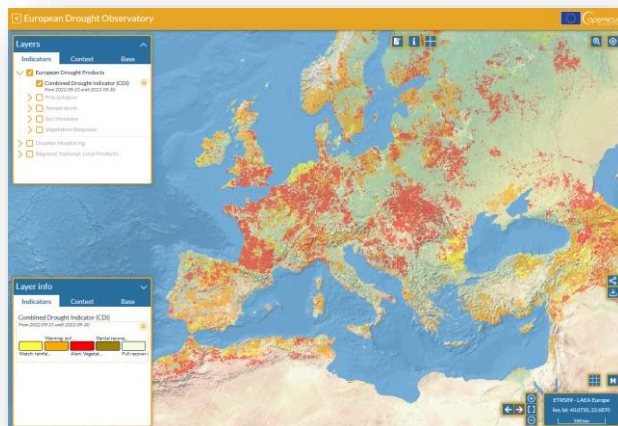
European Drought Observatory for Resilience and Adaptation EDORA

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(European Commission, Joint Research Centre)*

European & Global Drought Observatory



Copernicus Emergency Management Service (CEMS)

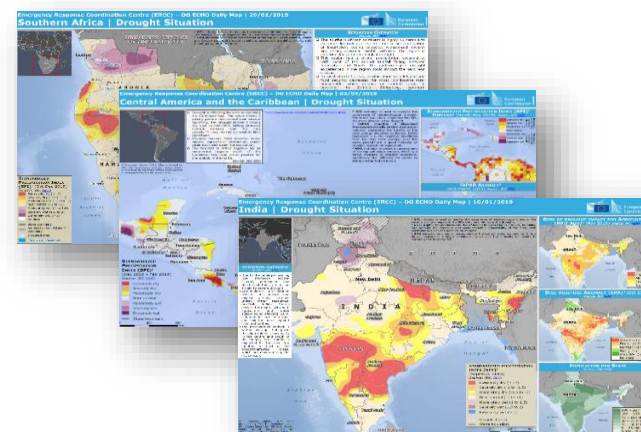
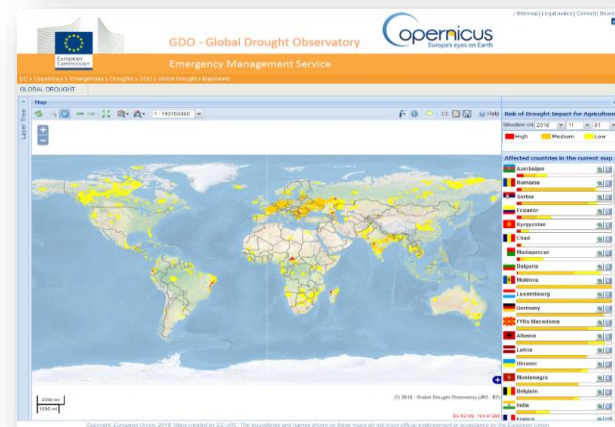


European Drought Observatory (EDO)

<https://edo.jrc.ec.europa.eu/europe>

Global Drought Observatory (GDO)

<https://edo.jrc.ec.europa.eu/world>



EDORA <https://edo.jrc.ec.europa.eu/edora>

European Drought Observatory for Resilience and Adaptation



Enhance the **resilience and adaptation** to drought across the EU

Actions:

- Multi-sectoral **drought impact database**
- **drought risk assessment** methodology in different sectors
- **drought risk atlas** for current and future climate
- Start a **network of drought observatories**
- **drought management** plans across Member States
- Analysis of **climate adaptation actions** in different sectors

Why recording drought impacts in the EU

- Consistent damage estimation

New EU strategy on Adaptation:

- Advancing knowledge and increasing data on losses
- From hazard forecasting to impact forecasting

EU Civil Protection Mechanism - Preparedness and Prevention:

- Understand and manage risks

EU water framework directive

- Drought management plans

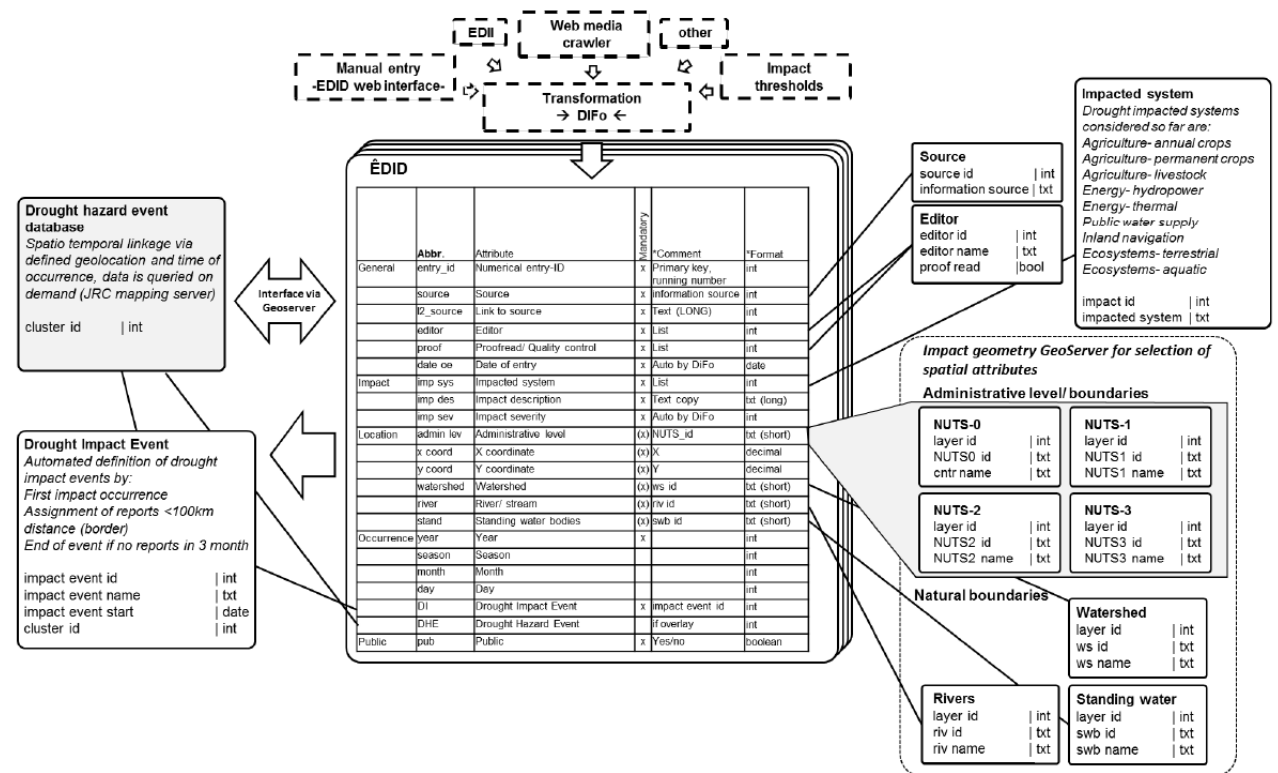
EDORA impact database (EDID)

Like EDII but...

1. Link to met. drought events
2. Expand input capabilities
3. Spatial and temporal reference
4. ? Severity score/class

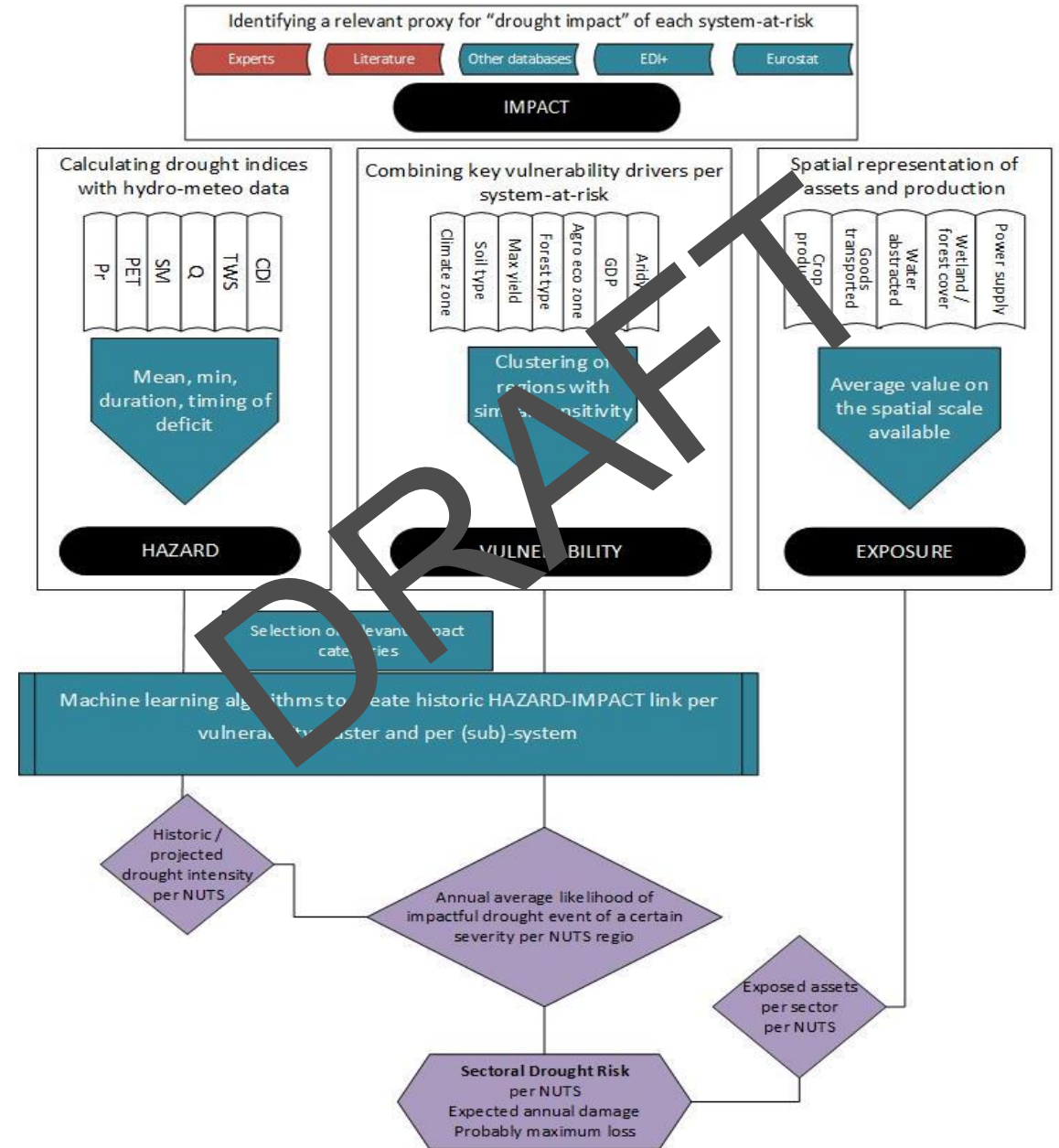
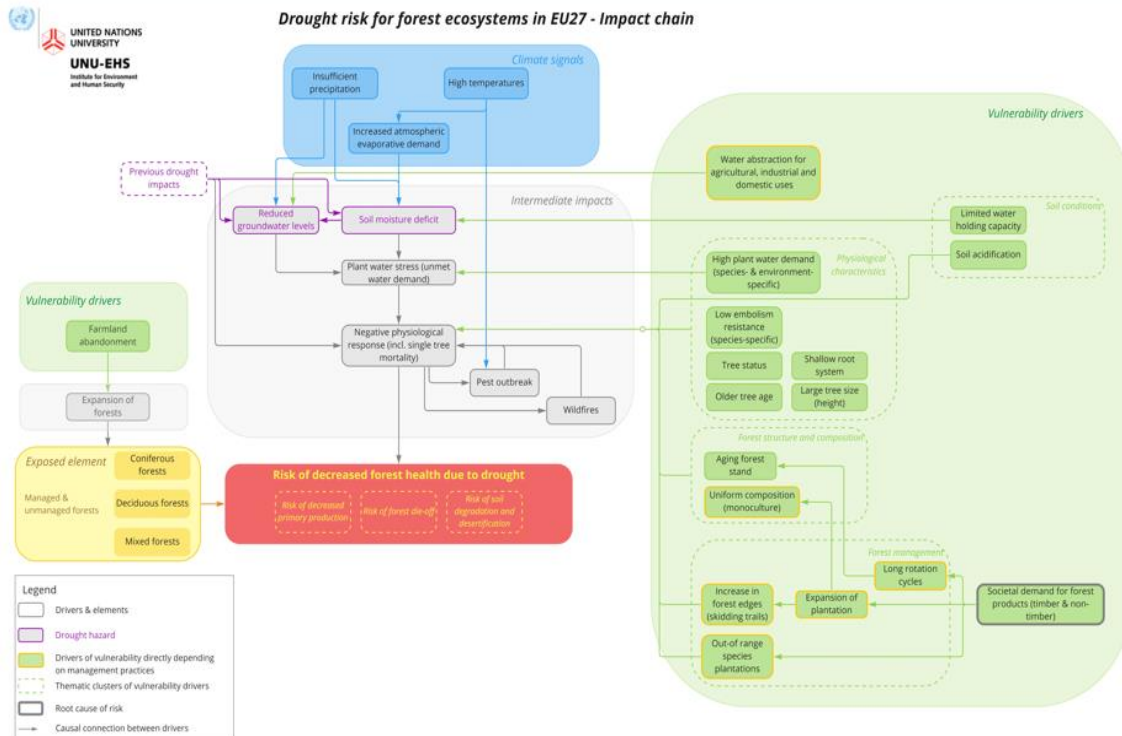
Systems/sectors:

Agriculture (annual or permanent crops or livestock) - Energy (hydropower or thermal) - Public water supply - Inland navigation - Ecosystems (terrestrial or aquatic)



From impacts to risk

Hybrid approach: Impacts + risk factors



Thank you



EU Science Hub: ec.europa.eu/jrc



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EU Science, Research and Innovation



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