

Copernicus Emergency Management Service Annual Conference

11 October 2024 Online

Drought data analysis and the importance of time

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Copernicus Emergency Management Service

Annual Conference

11 October 2024

Drought data: a new system for improved analyses

How to access and use CEMS data, maps and reports

Drought Team



PROGRAMME OF
THE EUROPEAN UNION



Implemented by



European
Commission

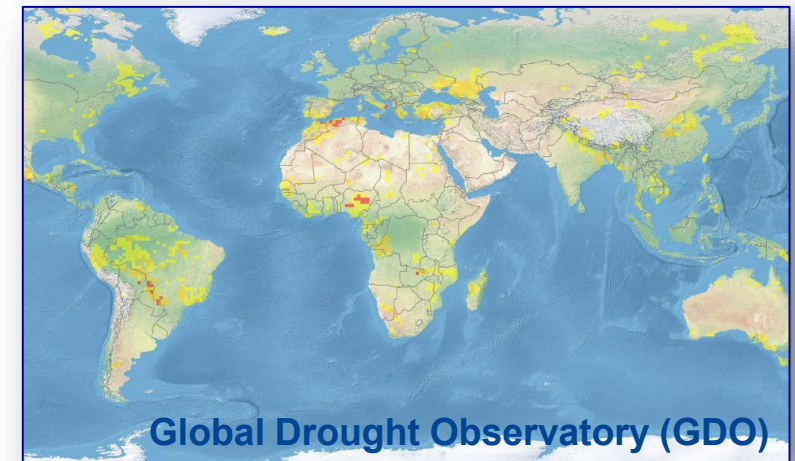
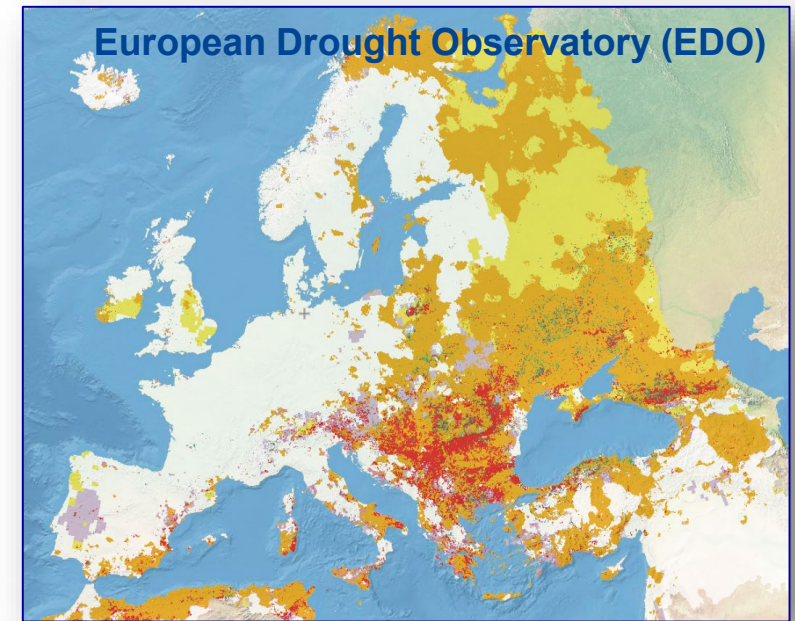
Why? *Droughts are ...*

- increasing in frequency and severity
- a transboundary problem
- a global hazard

What?

European and global early warning, monitoring and forecasting of drought and their impacts (data from satellite, modelling and in-situ)

Research on indicators, risk assessment, trends, impacts, online tools, ...



Water cycle

Data and indicators selection

Integrated approach

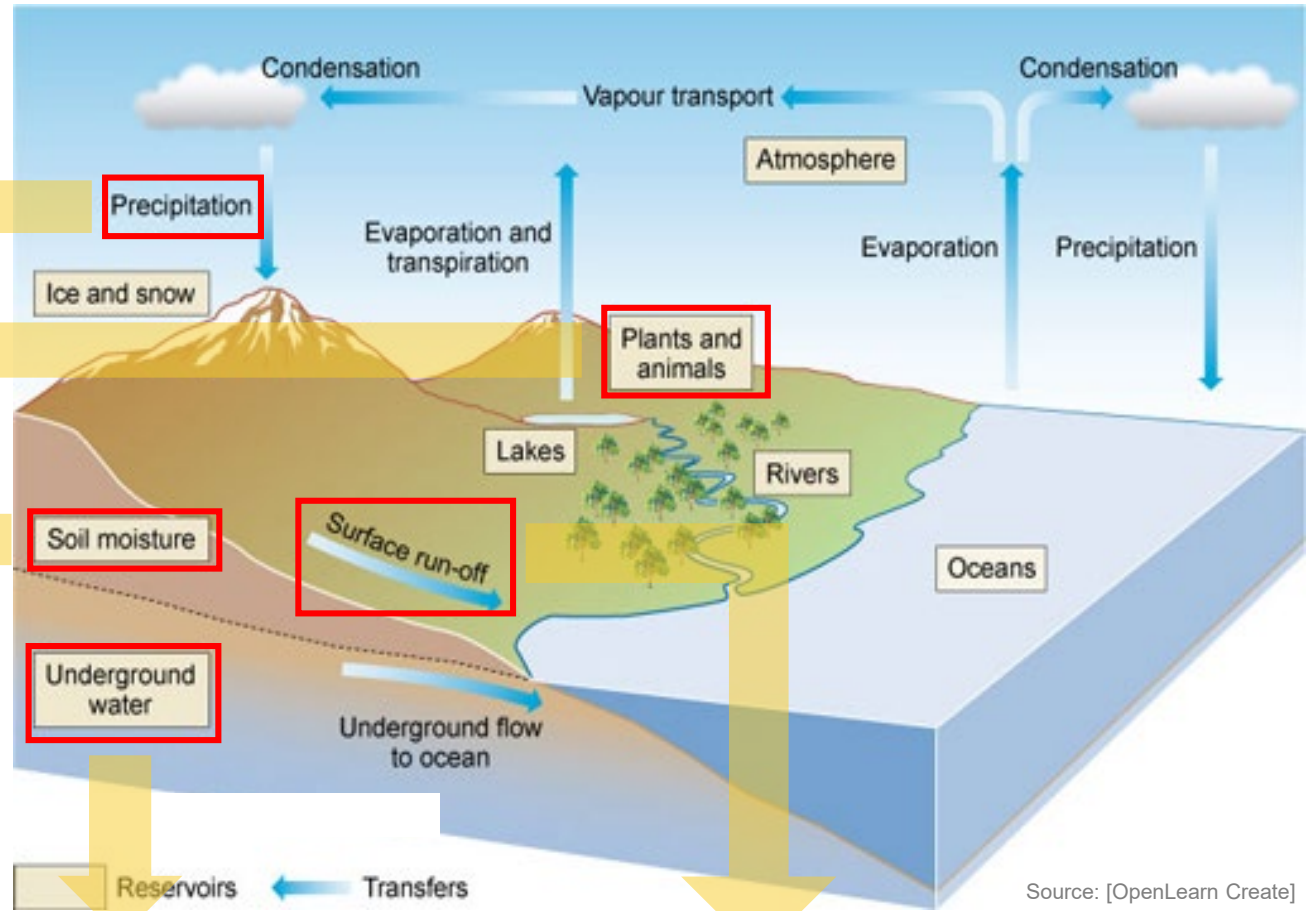
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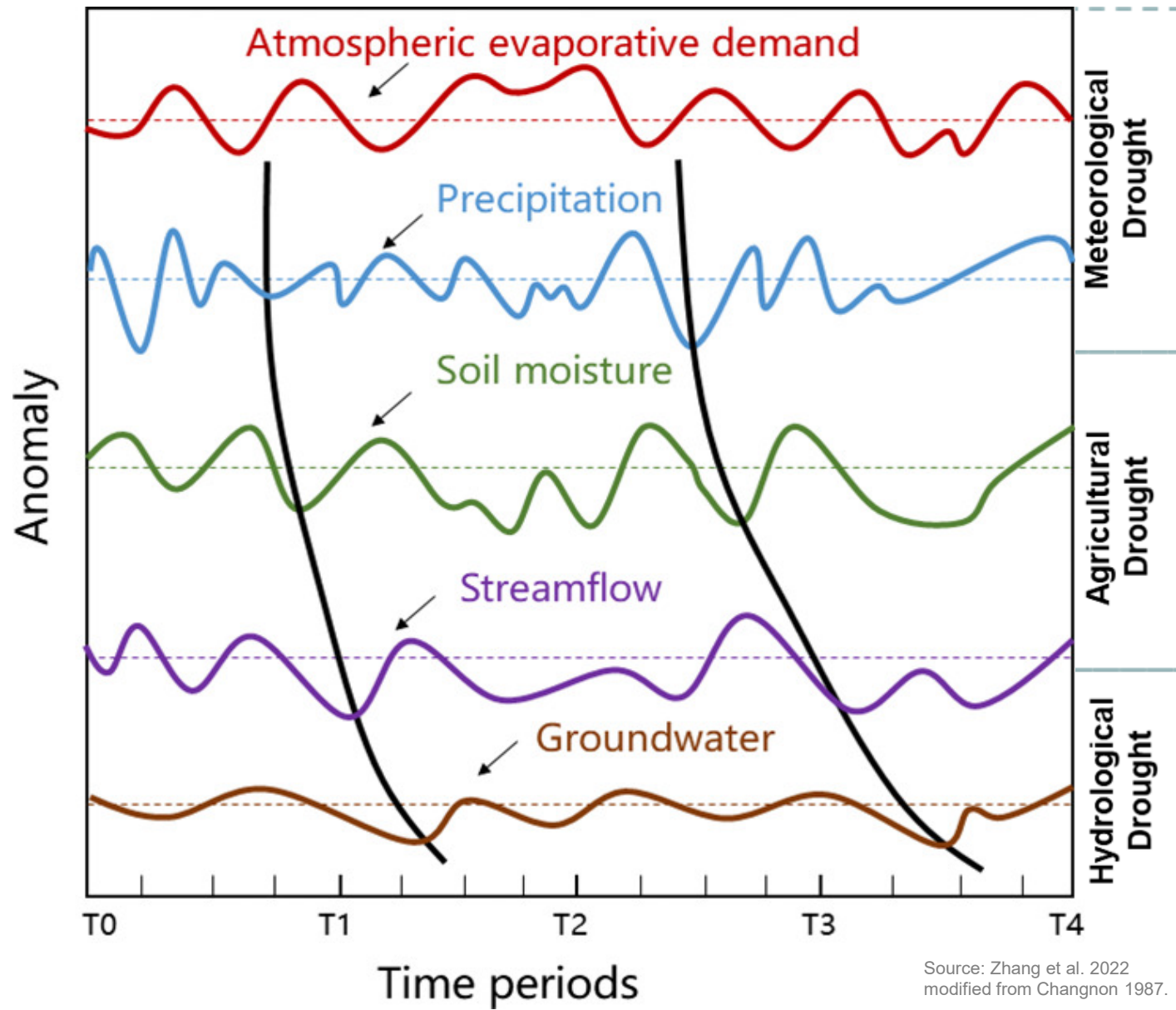
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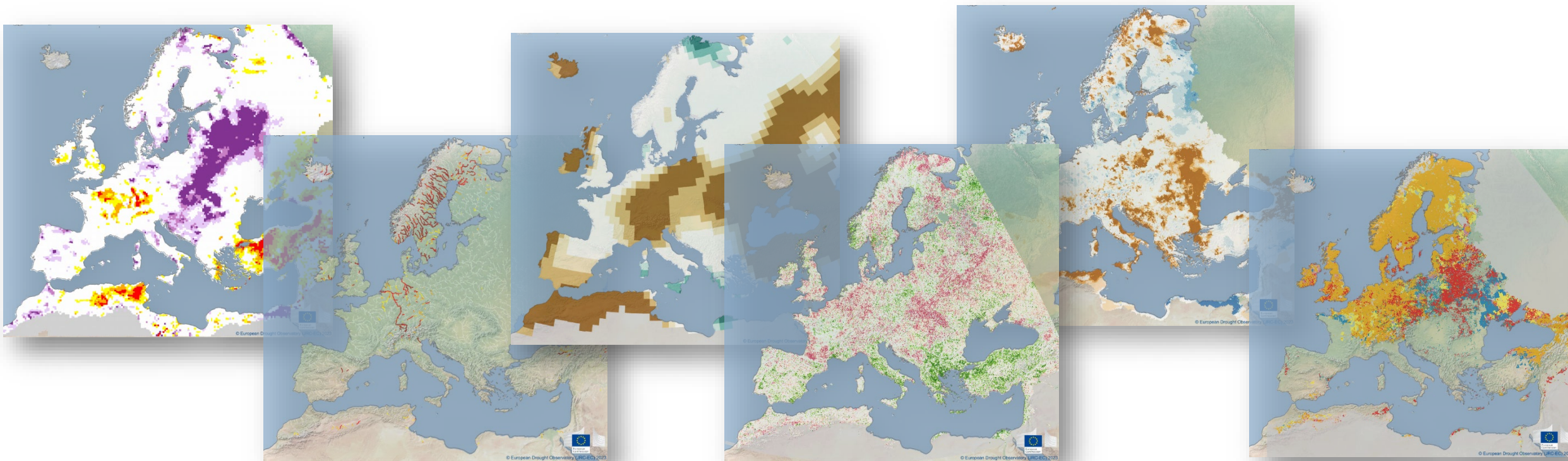
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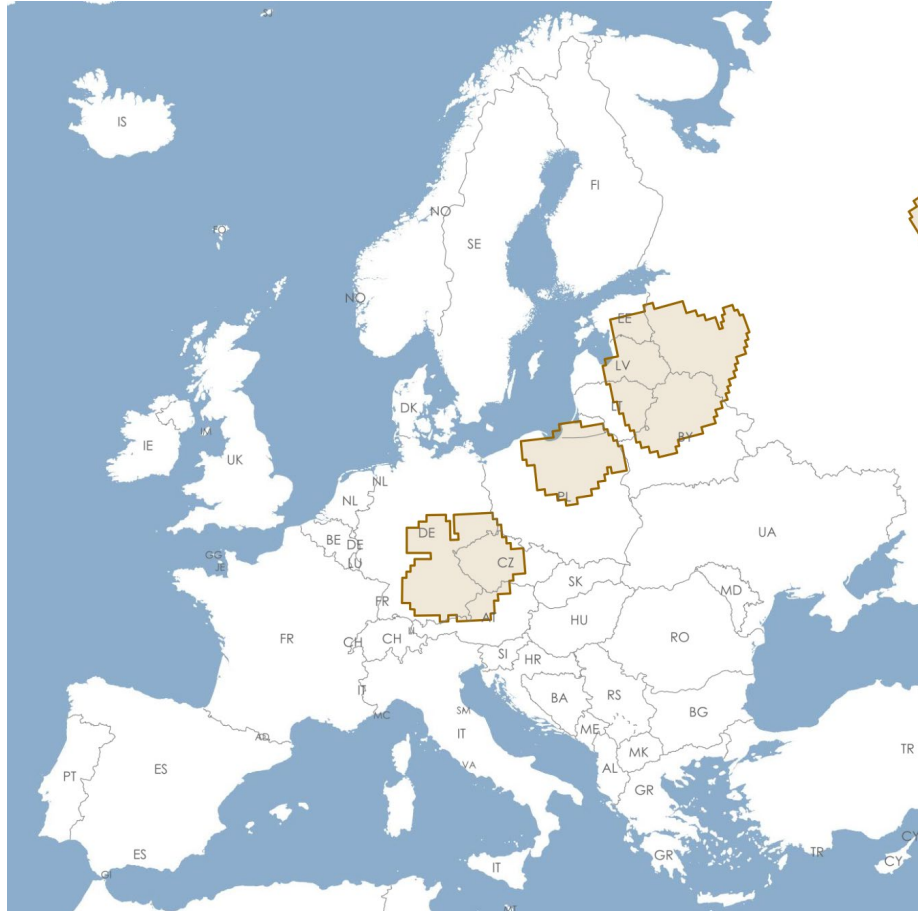


Source: Zhang et al. 2022
modified from Changnon 1987.

Indicators: tools for drought monitoring



Drought tracking: EDO/GDO implementation



Layer info ▼

Indicators Context Base

Meteorological drought tracking
From 2023-07-21 until 2023-07-31

Consolidated Provisional

Keep in touch

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**Rapid
Mapping**



**Risk & Recovery
Mapping**



Floods



Fires



Droughts



Population



**Built-up
areas**



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