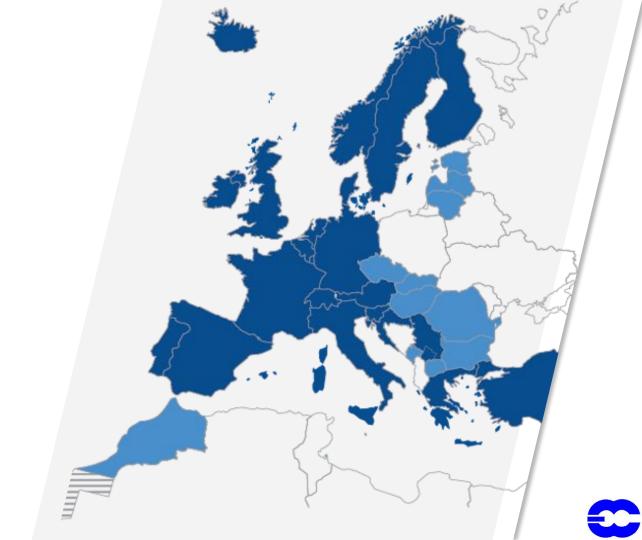


What is **ECMWF?**

European Centre for Medium-range Weather Forecast

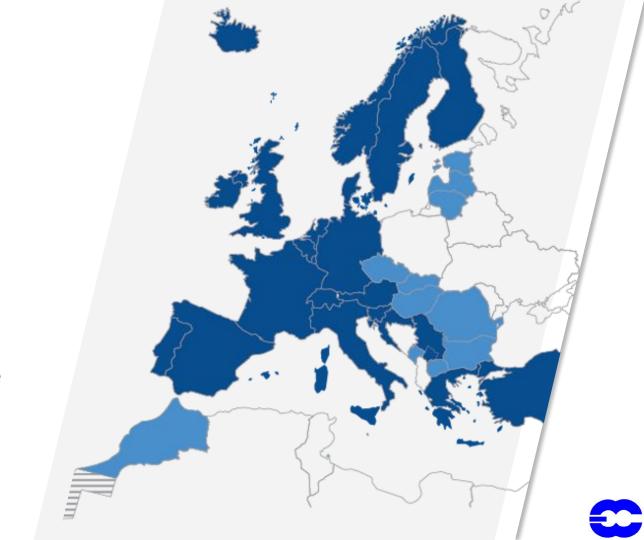
- Research institution
- 24/7 operational service



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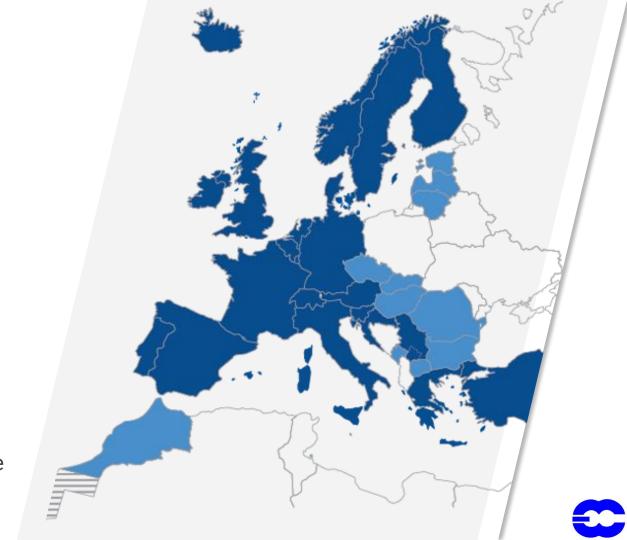
- Research institution
- 24/7 operational service
- 22 member states
- 12 cooperating states



What is ECMWF?

European Centre for Medium-range Weather Forecast

- Research institution
- 24/7 operational service
- 22 member states
- 12 cooperating states
- 300 employees from more than 30 countries.



Much more than weather predictions...



Global forecasts and NWP science

We produce global scale ensemble-based analyses and predictions from few days up to a year ahead. And we constantly try to improve our model.

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Environmental services

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Supercomputing

Improving the skill and detail of ECMWF predictions is a computationally expensive process.

My career path

A mixture of academic and industry experiences





EU project called ANYWHERE to develop a

Multi-Hazard Early Warning System

to help respond more rapidly to extreme climate and weather events.

Floods and storm surges





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Floods and storm surges

Forest Fires

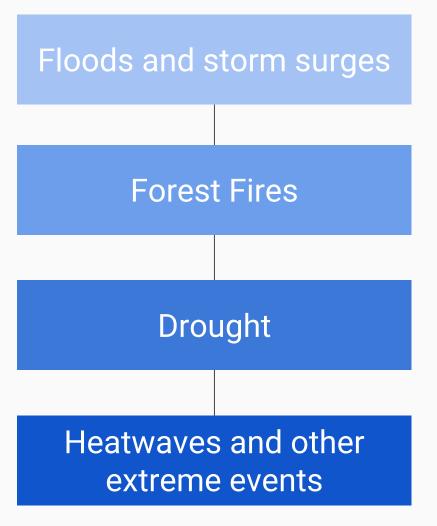


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How do I model natural hazards?

E.g. calibration of fire danger levels to generate risk maps

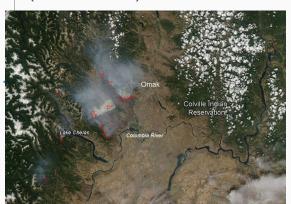
Step 1

Collect from our databases information on historical distribution of vegetation, meteo&hydro variables



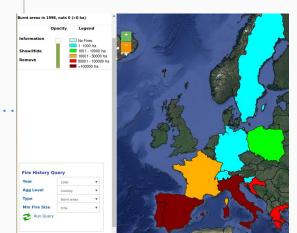
Step 2

Compare them with historical fire observations (from satellites).

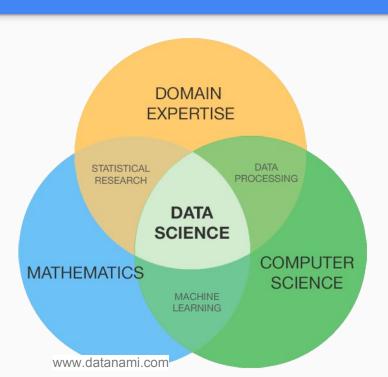


Step 3

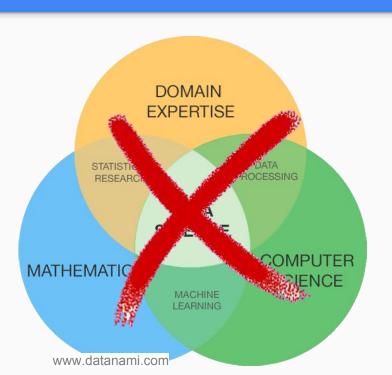
Generate fire danger levels and risk maps for damage assessment



Skillset



Skillset



Skillset

