



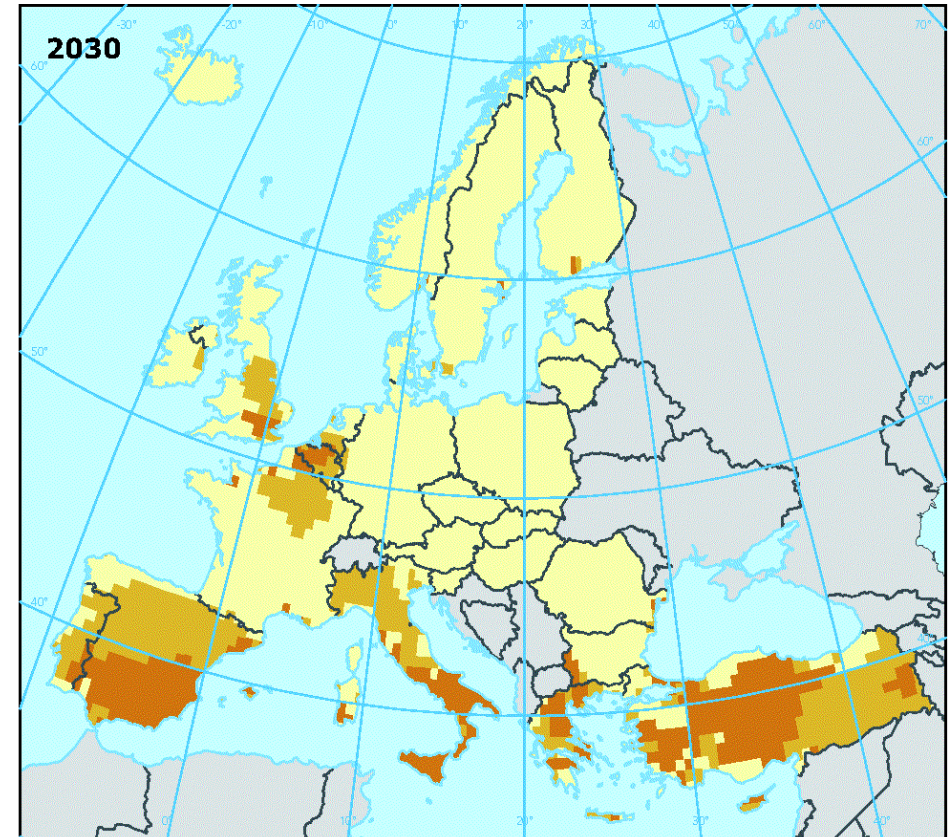
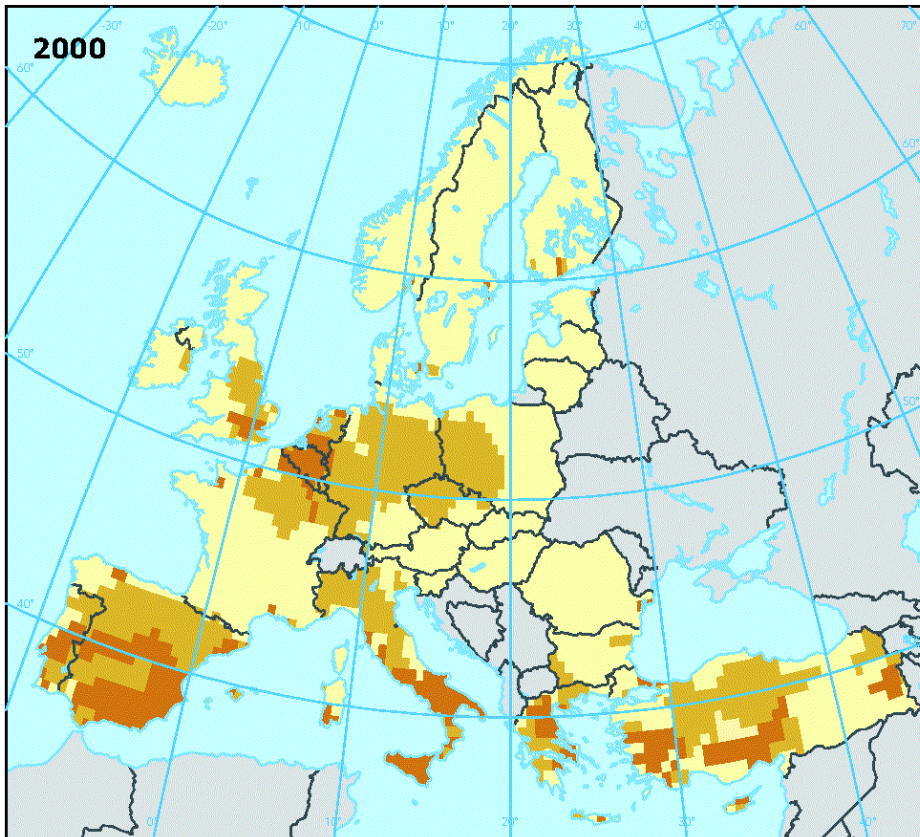
Greening the economy in line with  
the sustainable development goals

A holistic water ecosystem  
for digitisation of urban  
water sector

# Naiades

Digitization of water sector

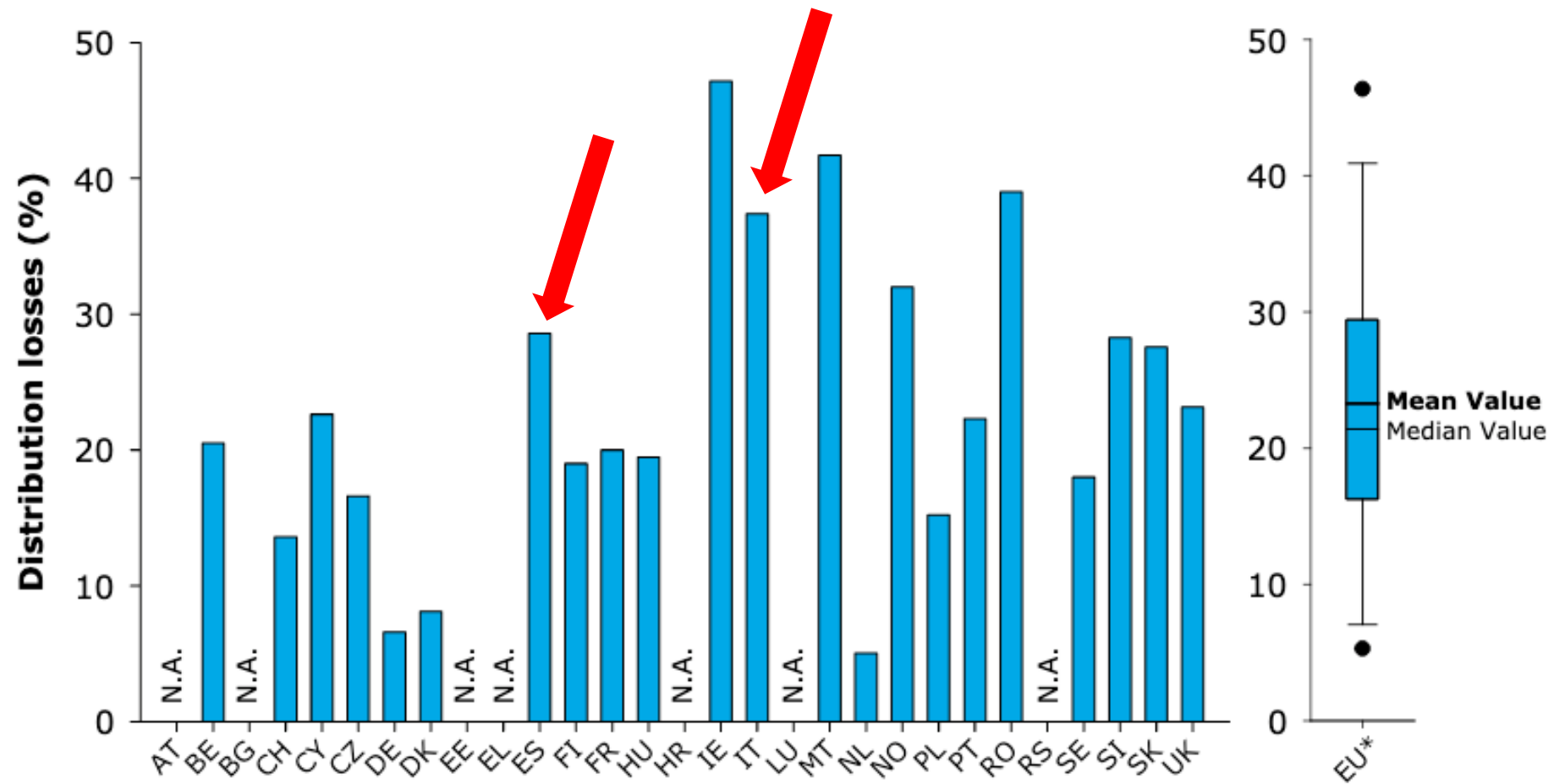




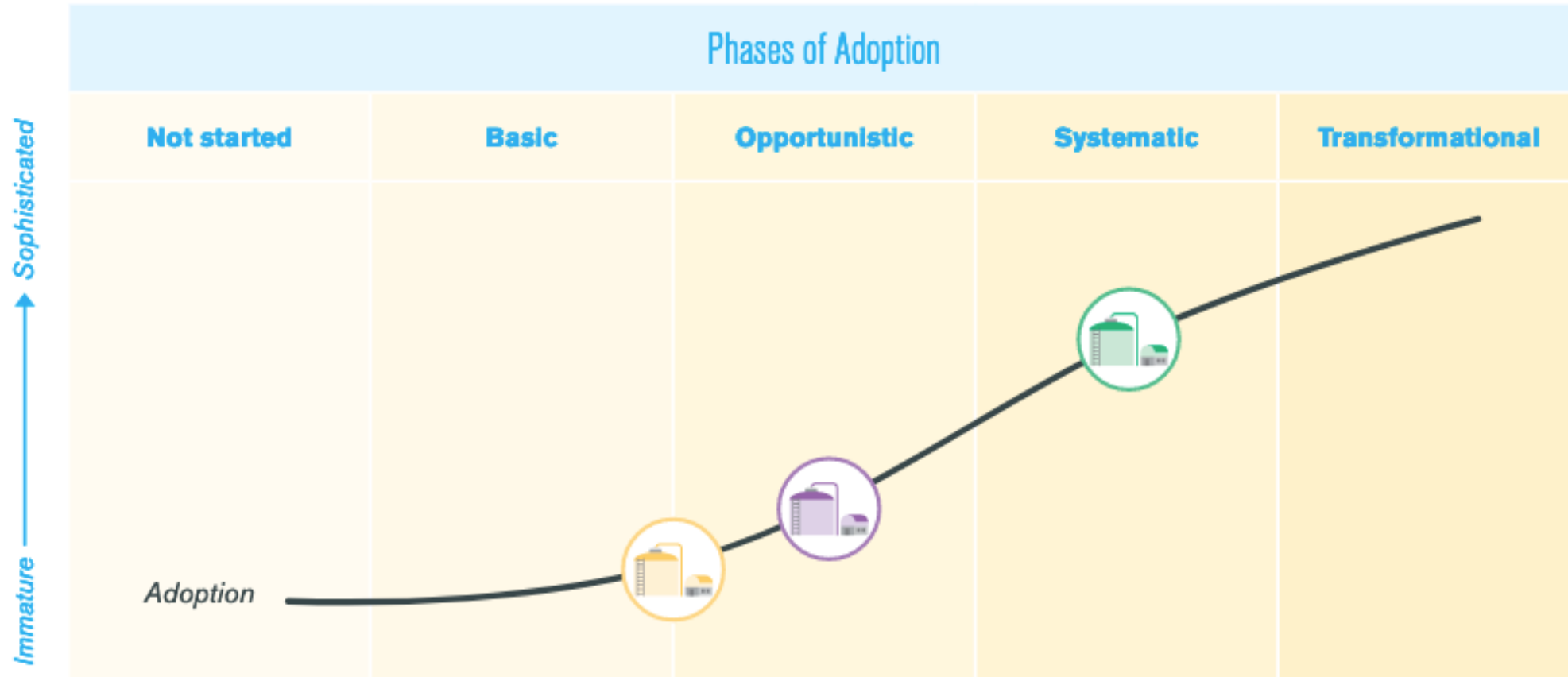
**Water stress in European river basins in 2000 (left) and under the LREM-E scenario by 2030 (right)**

Water exploitation index (%):

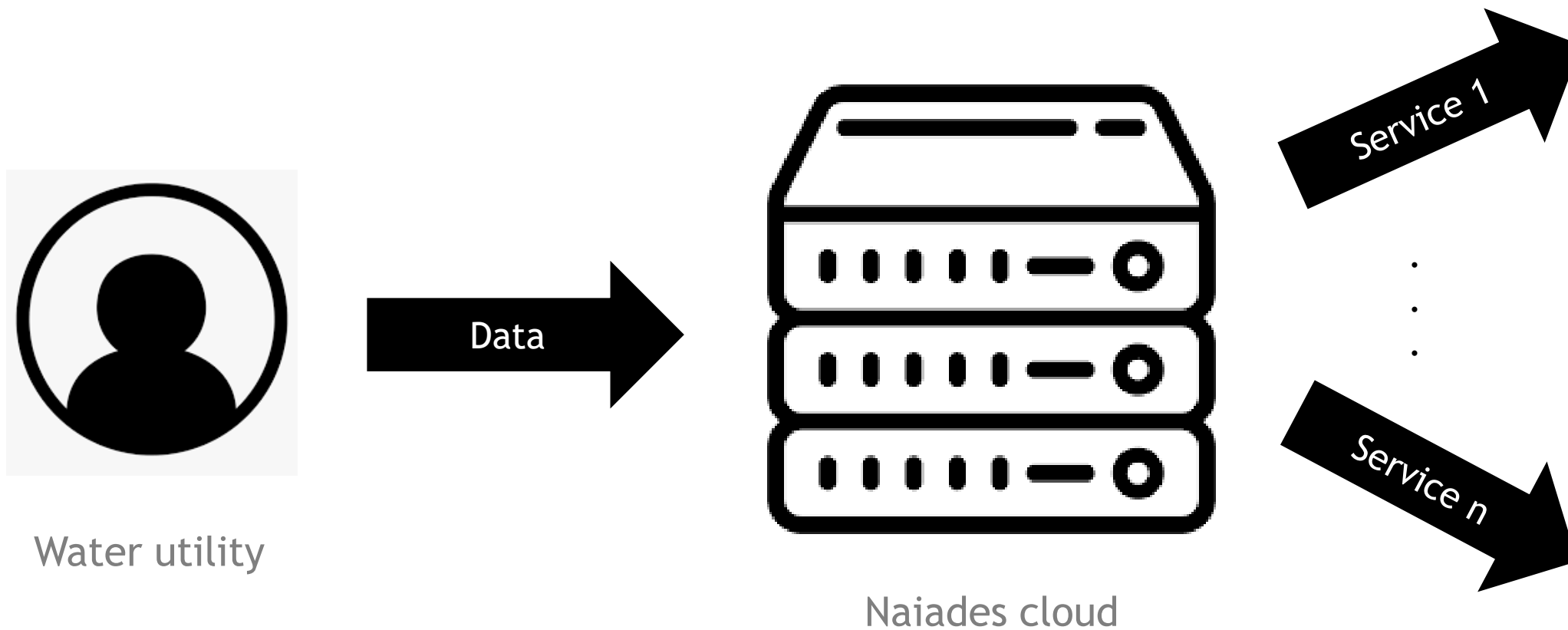
|                            |                             |
|----------------------------|-----------------------------|
| 0–20 (low water stress)    | 20–40 (medium water stress) |
| > 40 (severe water stress) | Outside data coverage       |



# Water sector digitization - adoption curve

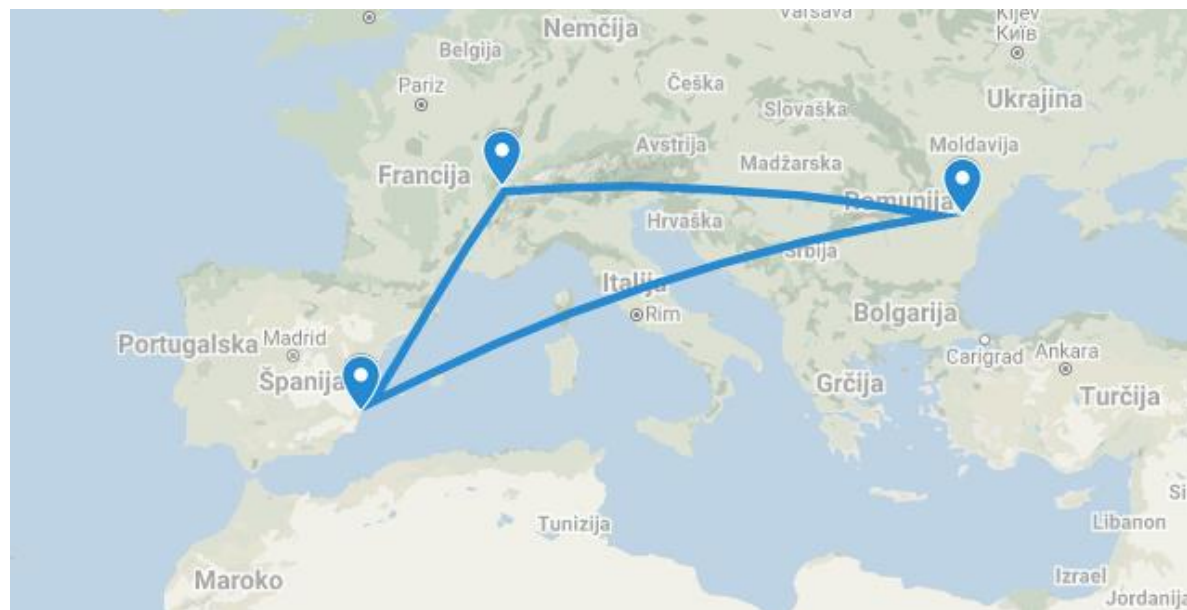


Source: [https://iwa-network.org/wp-content/uploads/2019/06/IWA\\_2019\\_Digital\\_Water\\_Report.pdf](https://iwa-network.org/wp-content/uploads/2019/06/IWA_2019_Digital_Water_Report.pdf)



## General info:

- Consortium consortium: 20 partners
- Project leader: CERTH
- Project budget: 5 mio EUR
- Project duration: May 2019 - May 2022
- Three pilots:
  - Alicante
  - Braila
  - Carouge



## Alicante (Spain):

- Water consumption prediction
- Saline intrusion identification

## Braila (Romania):

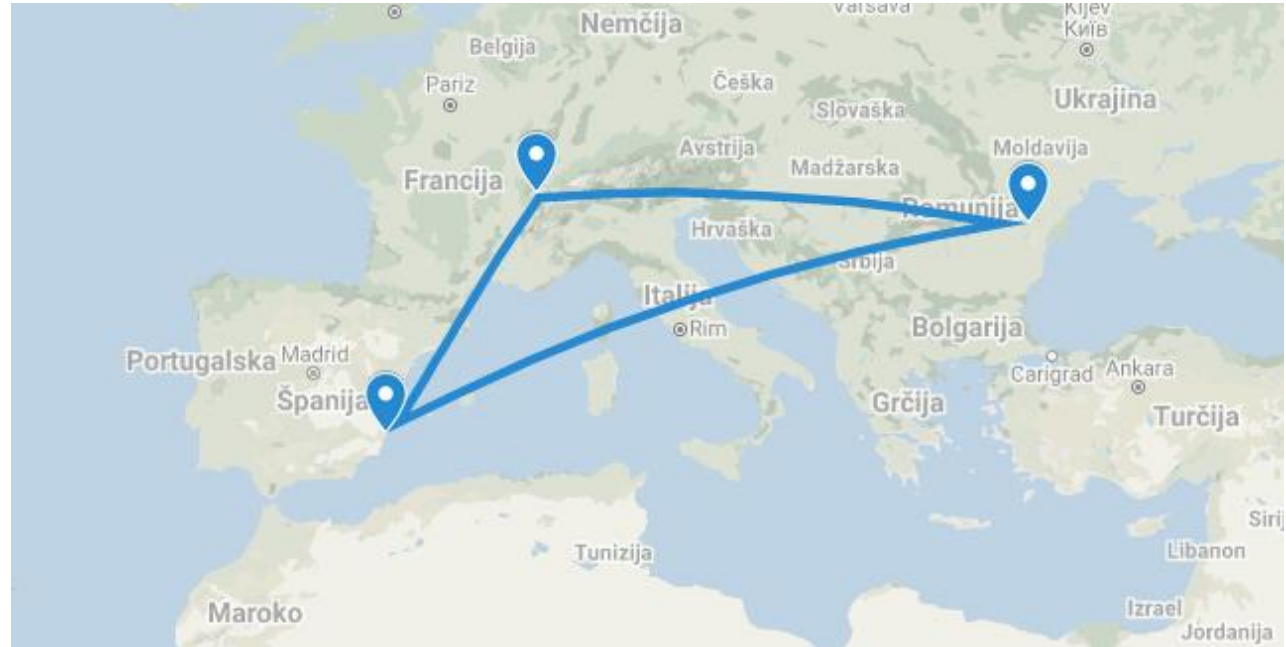
- Leakage detection
  - Temporal analysis
  - Spatial analysis
- Water consumption prediction

## Carouge (Switzerland):

- Plants watering prediction
- Fountain contamination detection and prediction

## General:

- Data driven weather predictions
- Water Observatory (<http://naiades.ijs.si/>)



- WO is monitoring water related events to explore relevant water issues
- WO is SDG6 oriented
- Currently available:
  - visual presentations of various global and local data sets
  - press & Twitter exploration
  - Microsoft Academic Graph
- Available at <http://naiades.ijs.si/>



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# Thank you

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