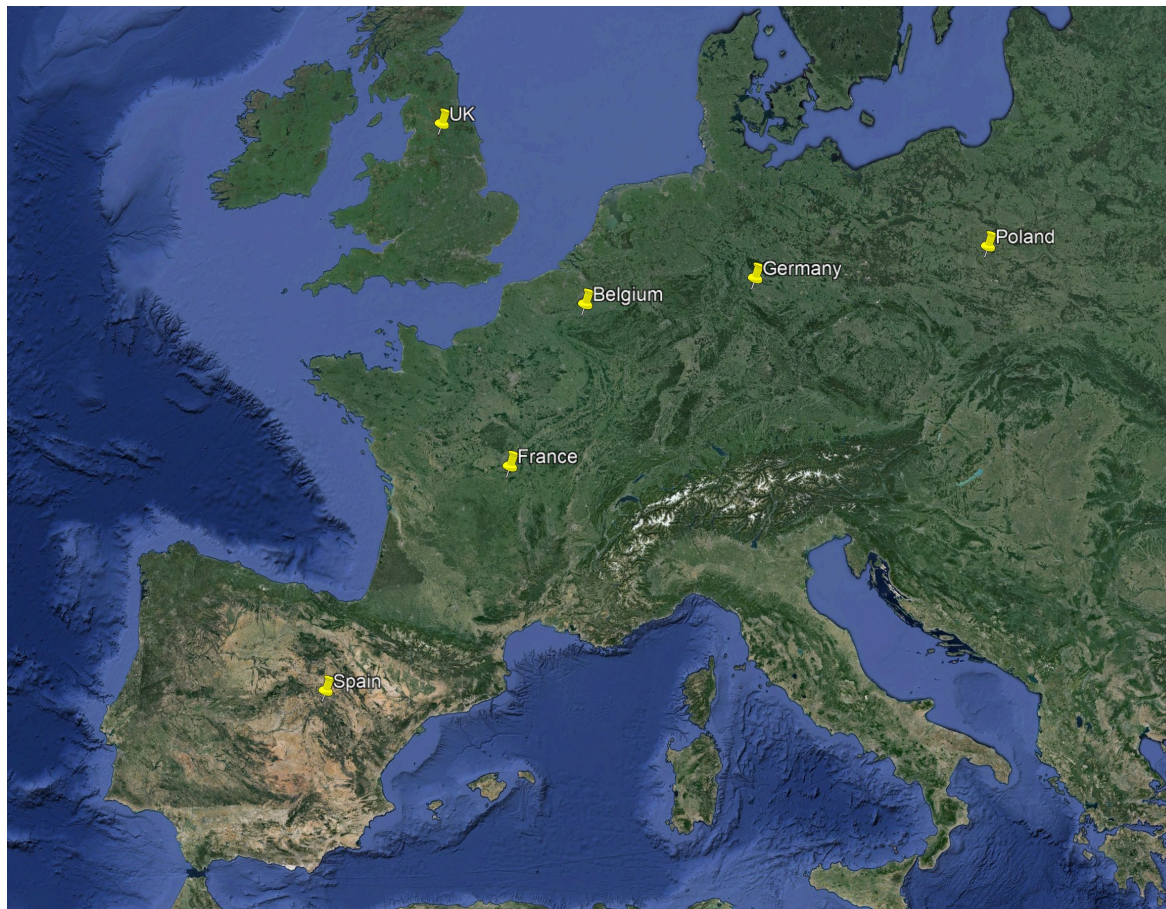


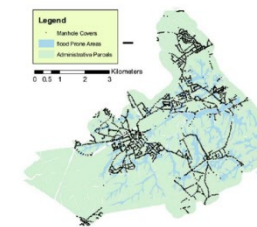


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What's the case of study?

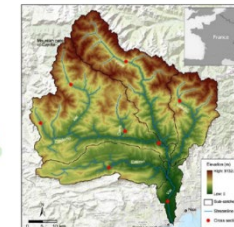


Belgium



Tervuren
catchment

France



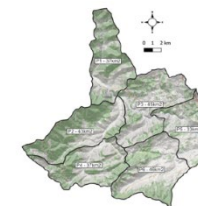
Var (Vésubie)
catchment

Germany



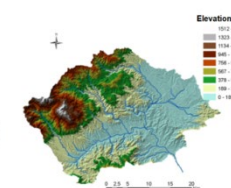
River Ahr
catchment

Poland



Skawa
catchment

Spain



Tordera
catchment

UK

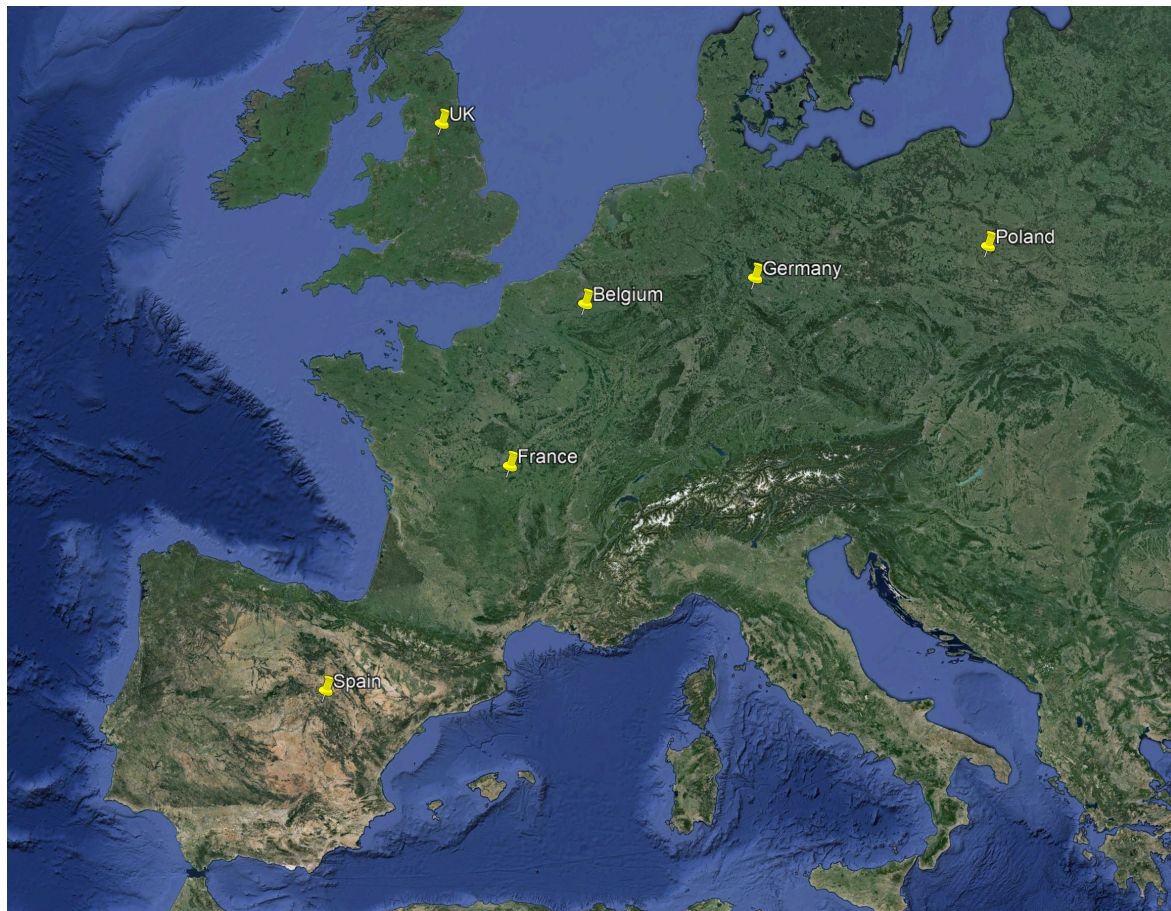


Pandon Burn
catchment

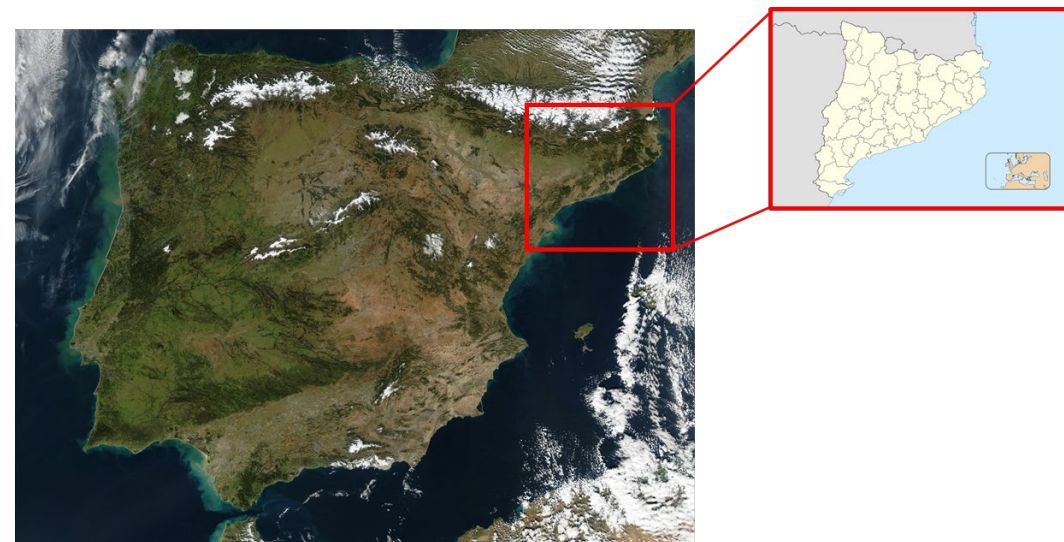


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What's the case of study?



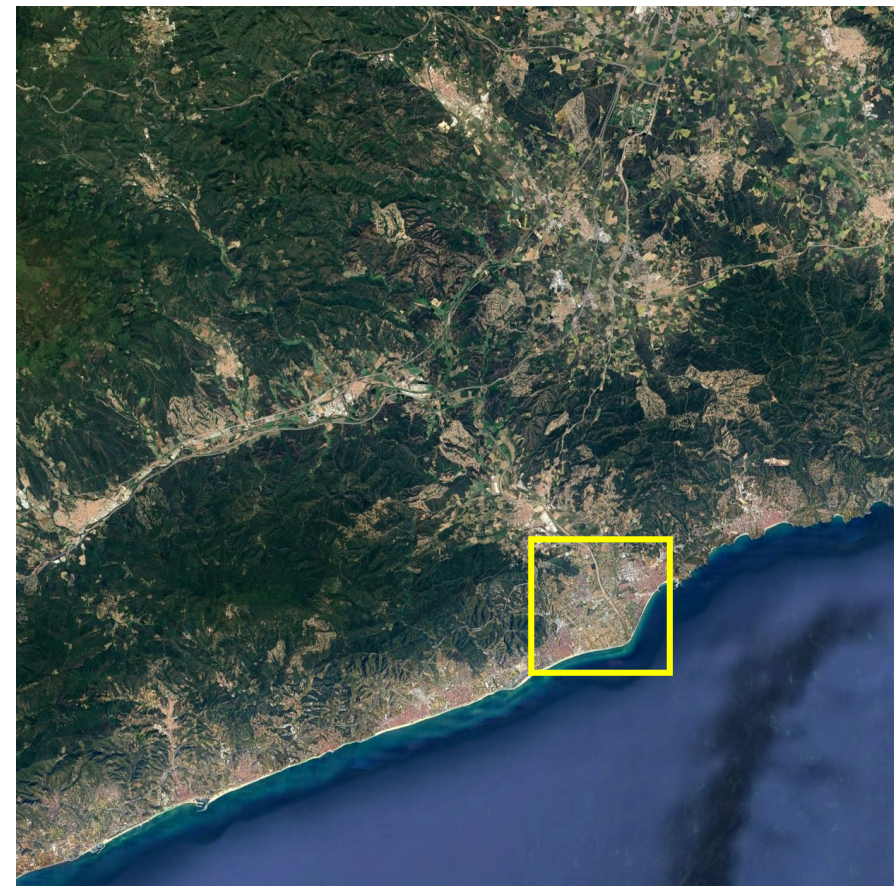
The basin: La Tordera
Located in Catalonia





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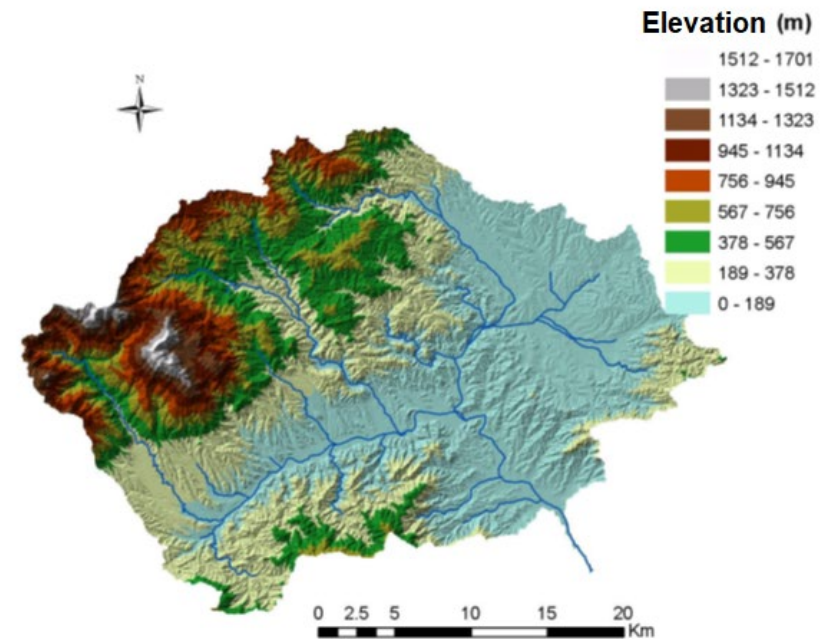
Characteristics of the area?





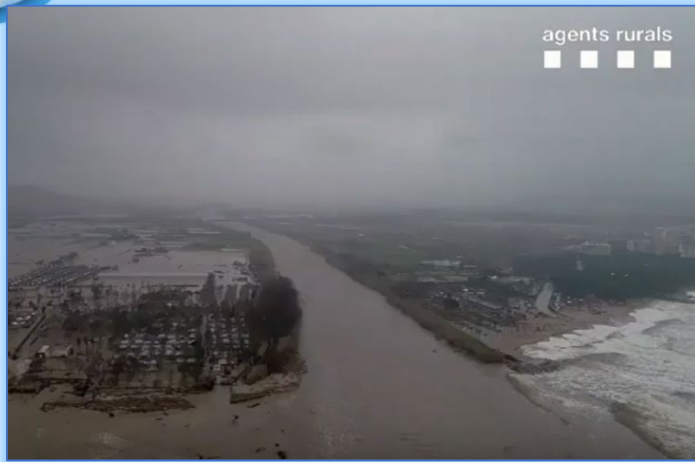
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What's the case of study?



- 864 km²
- River length (approx.) = 60 km
- 80% forest, 11% agriculture and 9% urban

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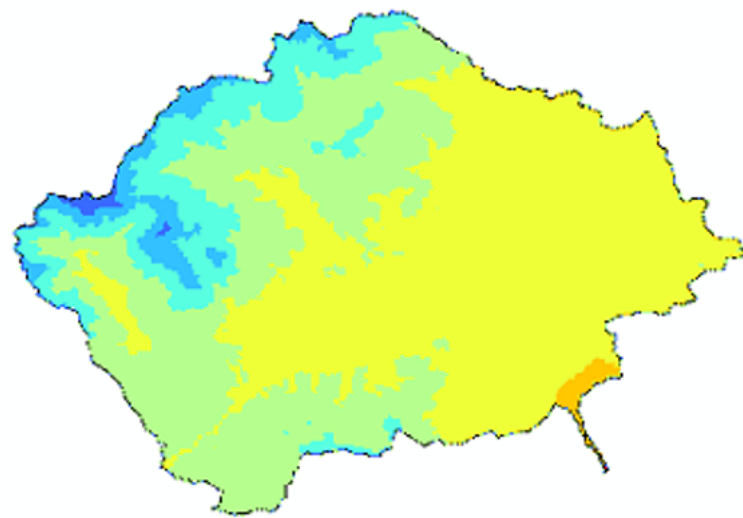
What are the main problems affecting the area?





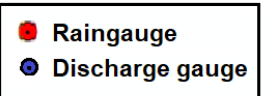
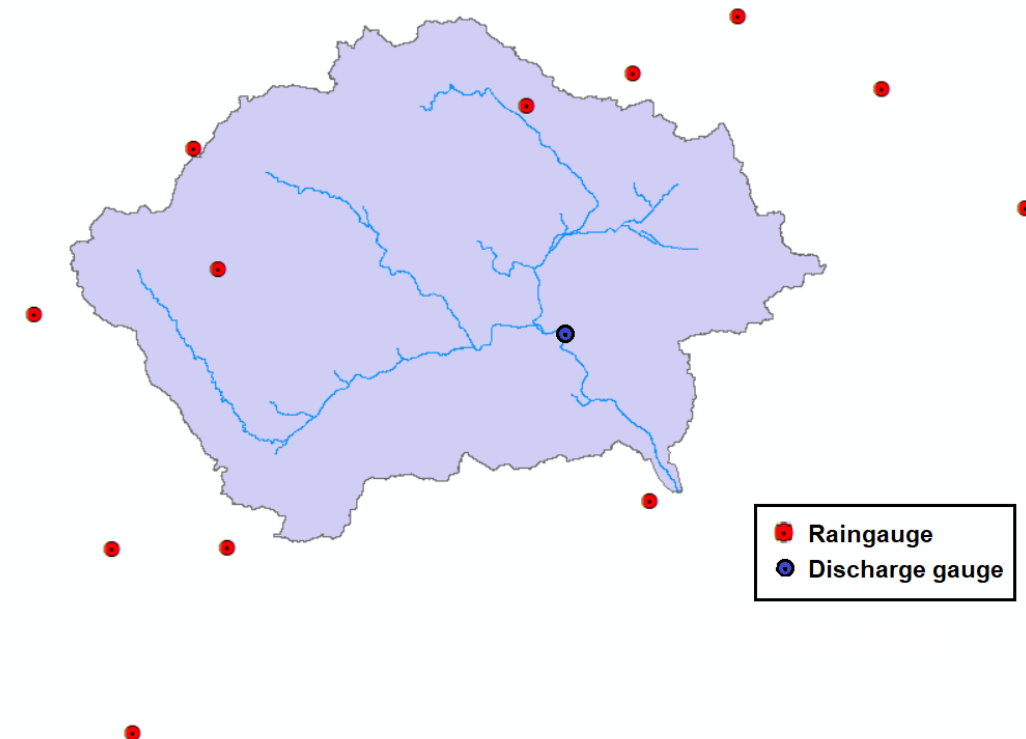
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Sources of information



Tordera
Winter 183 mm
Spring 208 mm
Summer 156 mm
Autum 262 mm
Annual avg. 809 mm

Annual precipitation (mm)





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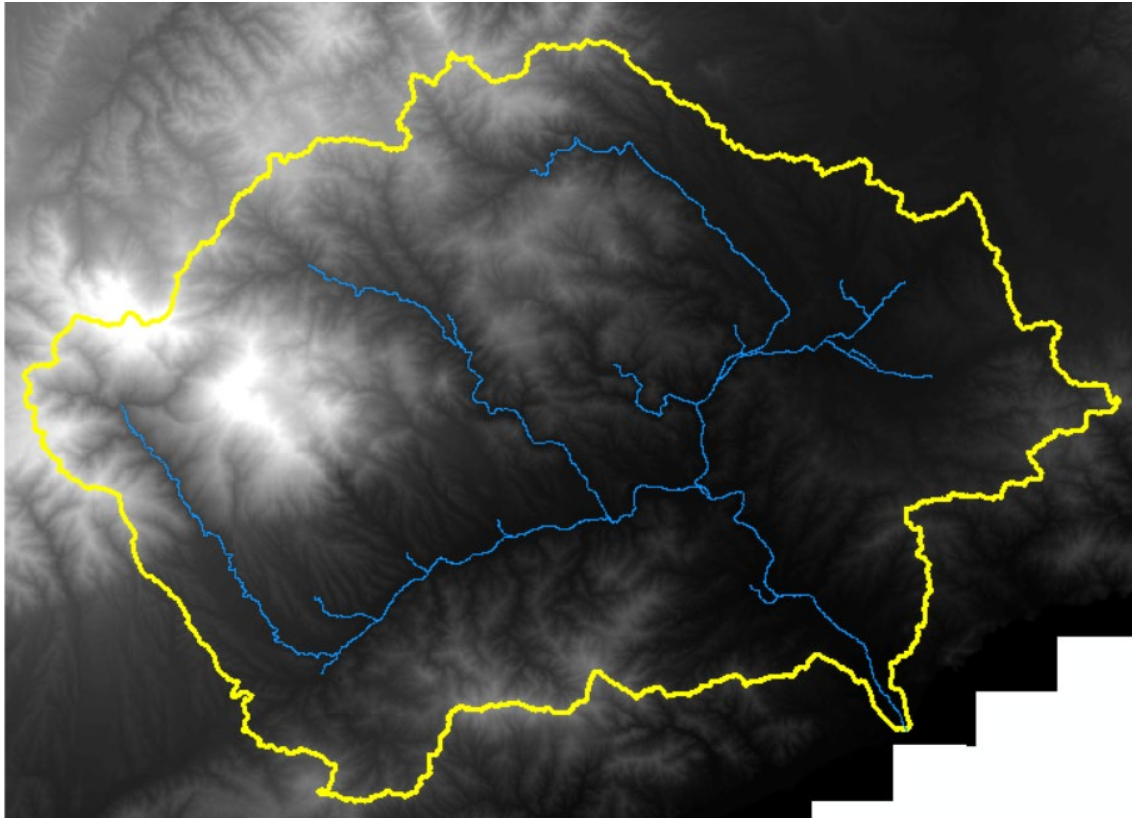
Sources of information



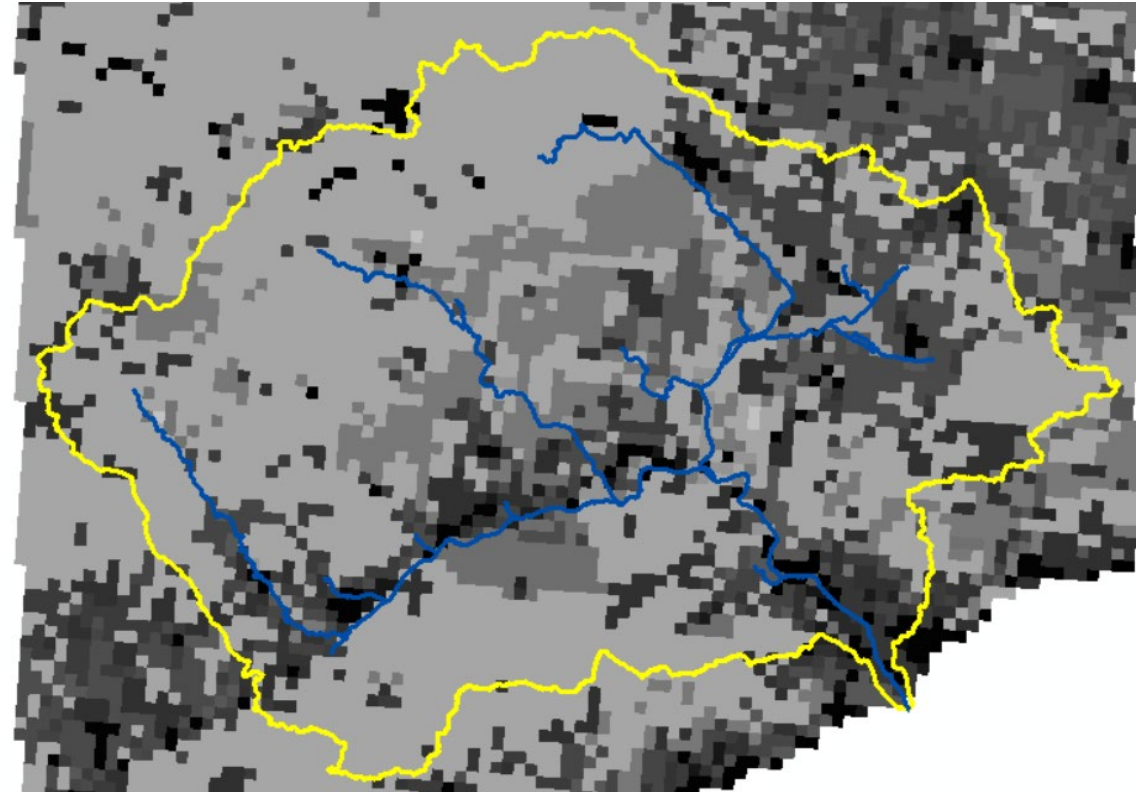


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Sources of information



DTM



Runoff coefficient (CN)

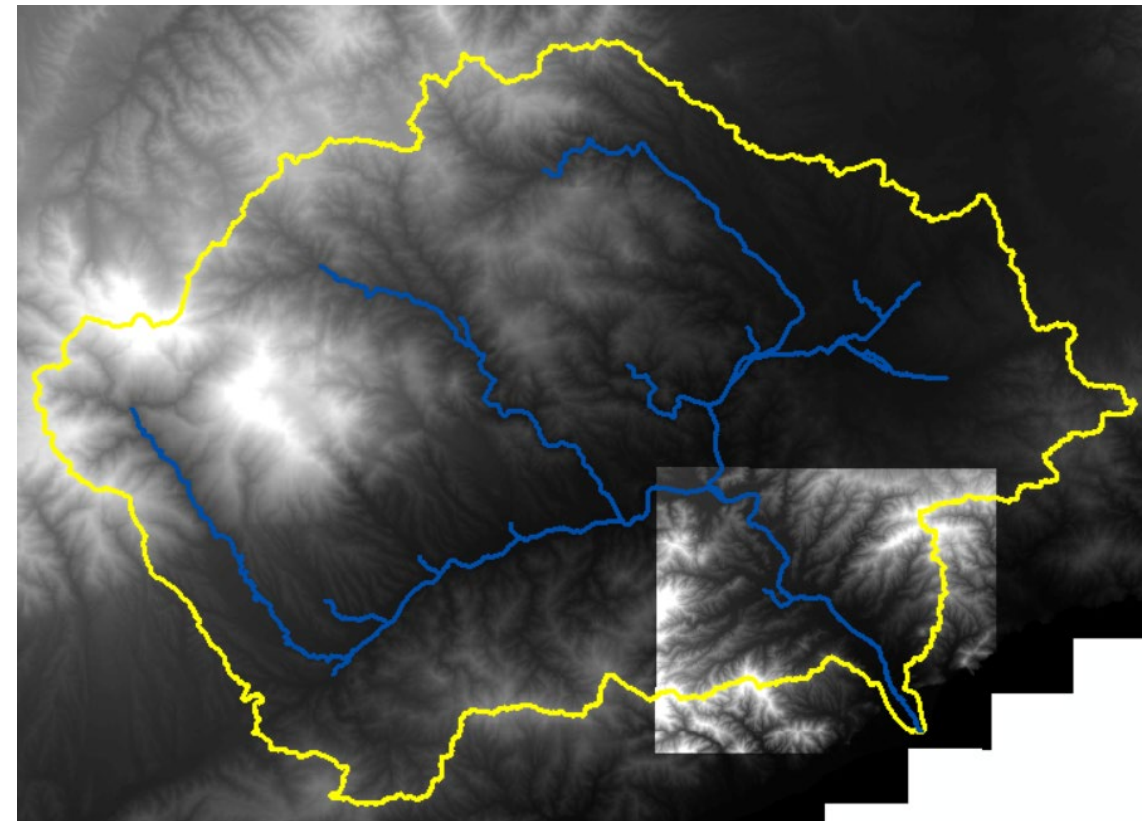


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Sources of information



River

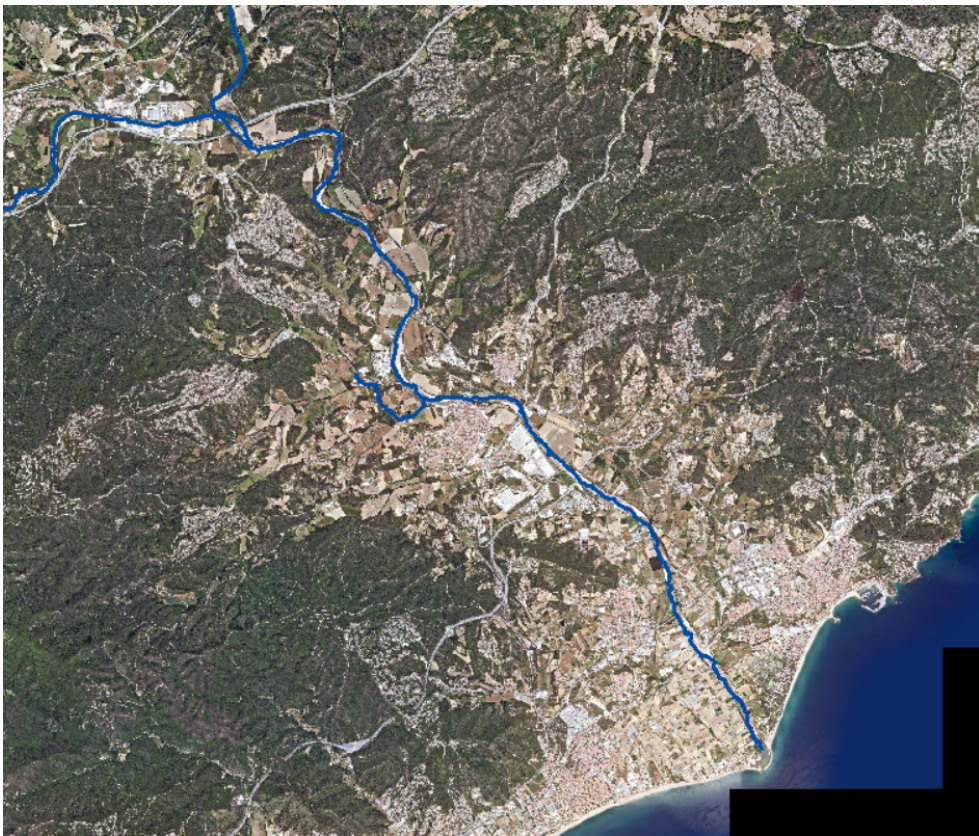


DTM

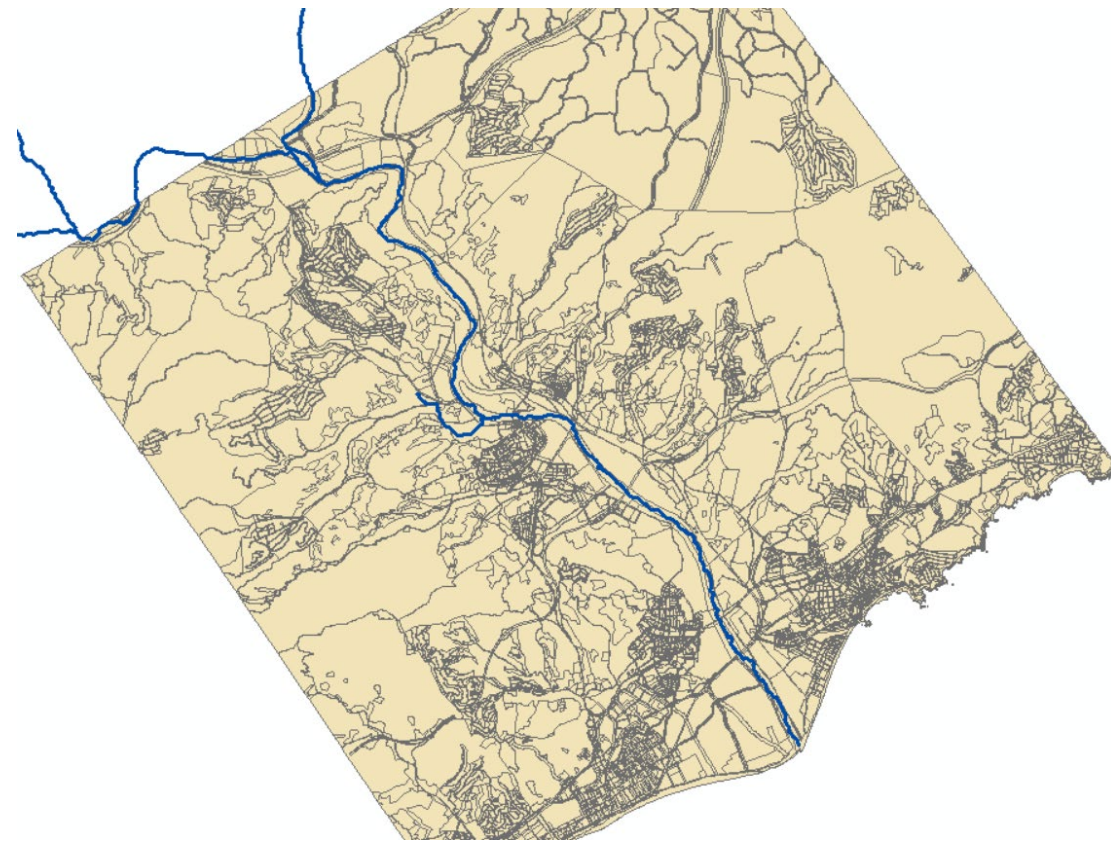


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Sources of information



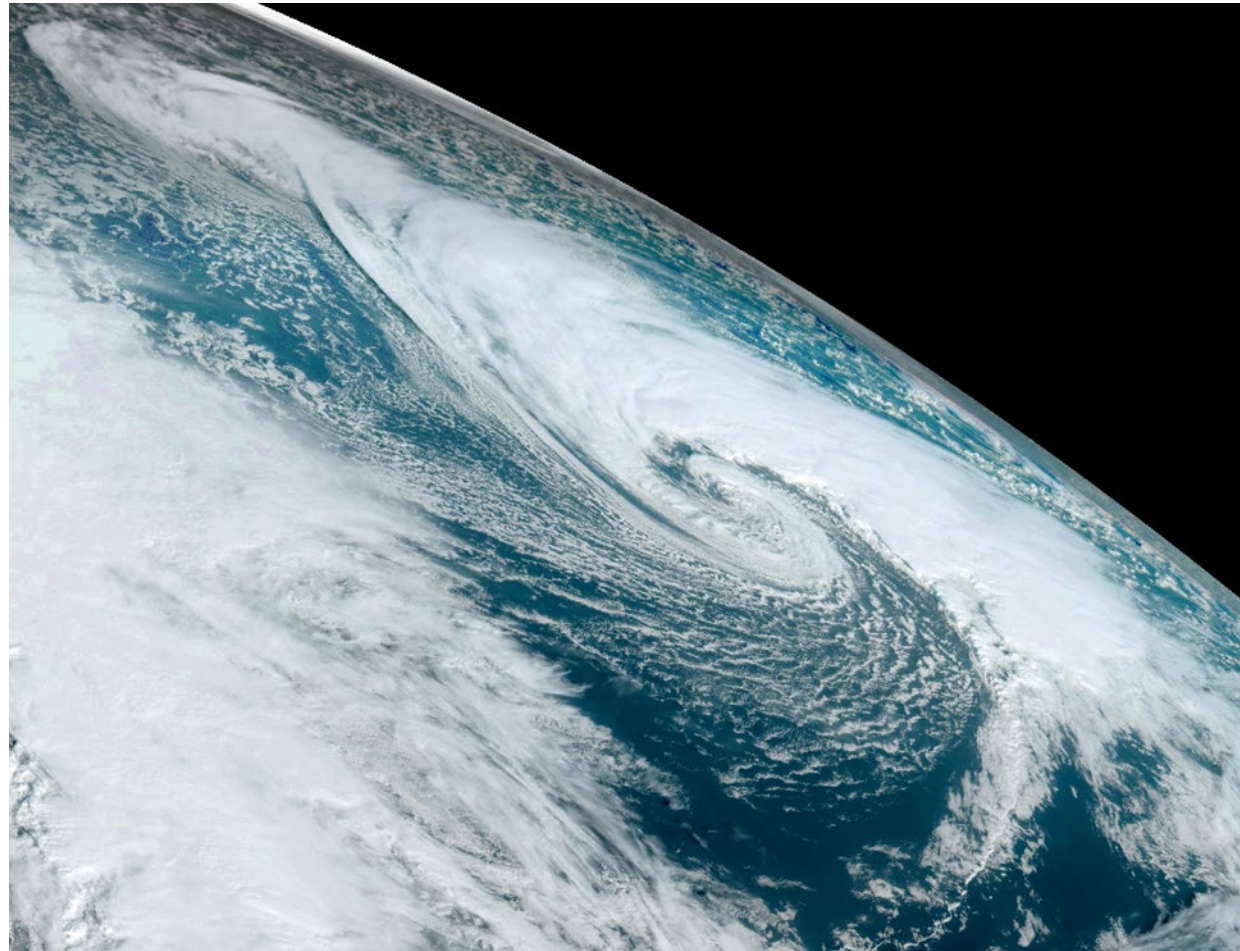
Land use



GIS layers



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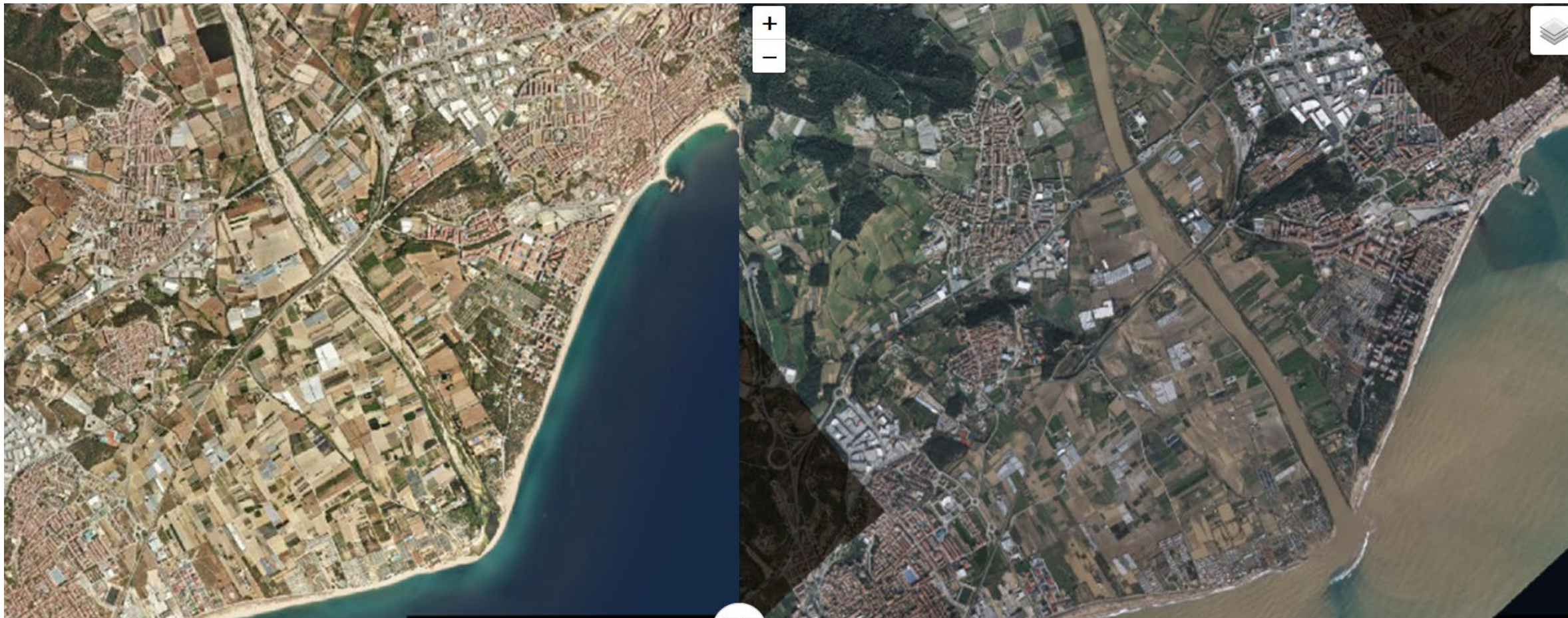
Climate Change and flash floods

- Sources of information
- Data analysis (description)
- Use of tools for describing issues related (understanding)
- Adaptation
- Resilience
- Water pollution



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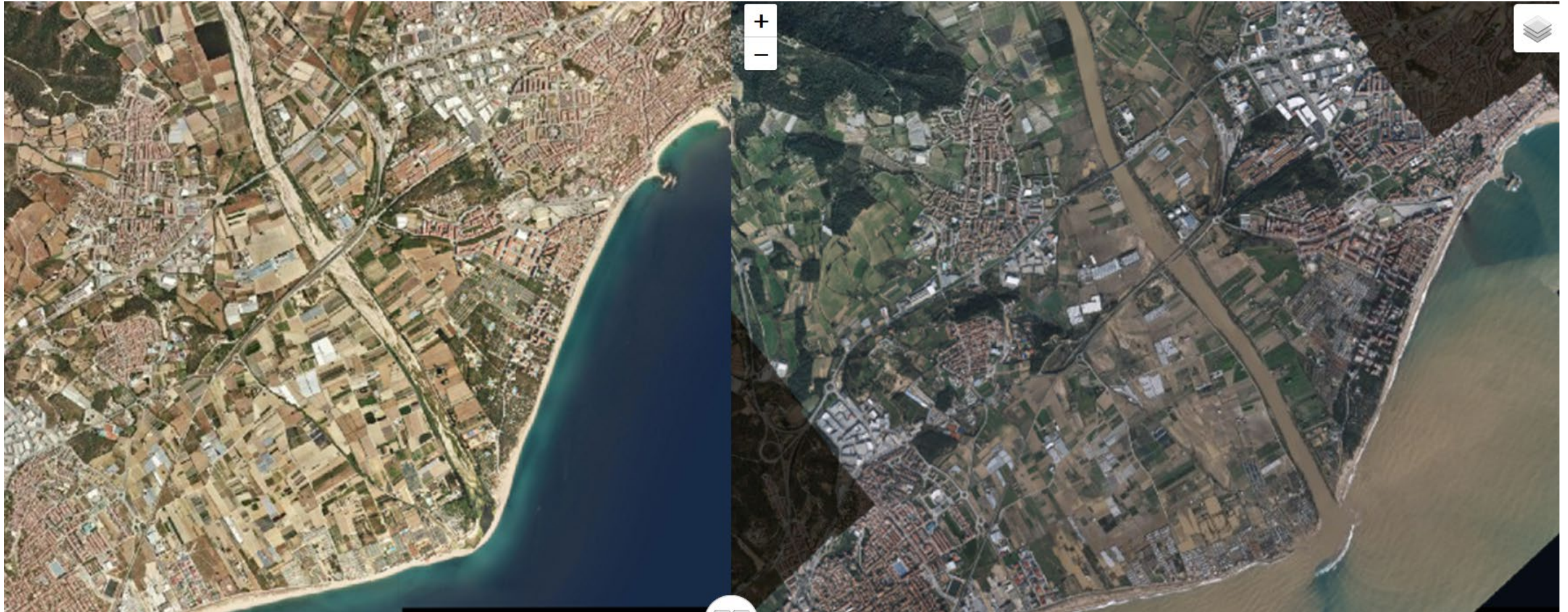
Can we develop tools and knowledge to tackle these issues?





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Can water pollution be a problem during floods?





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Graciès!

Thank you!

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Ernest BLADÉ

FLUMEN – UPC
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