



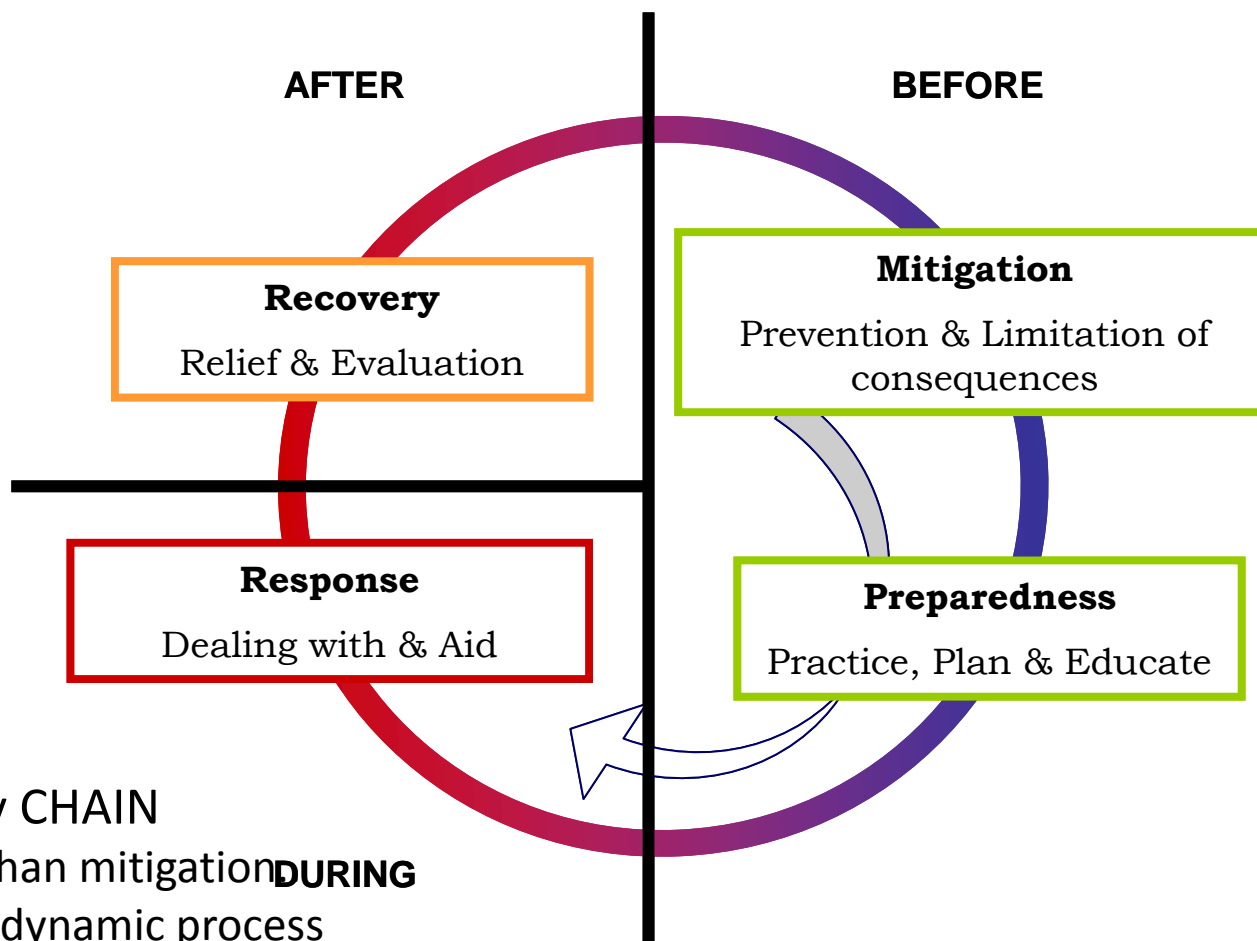
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# Flood Hazard Assessment

Lower Danube Case

The Black Sea Branch of Ukrainian Environmental Academy of Science



Flood Safety CHAIN

Much more than mitigation **DURING**

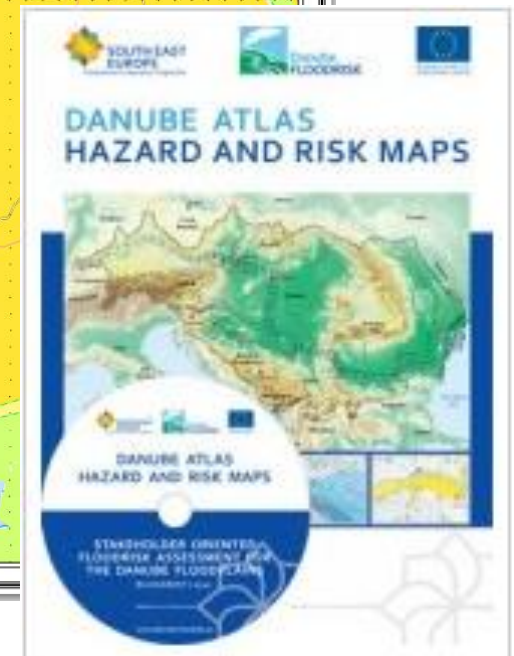
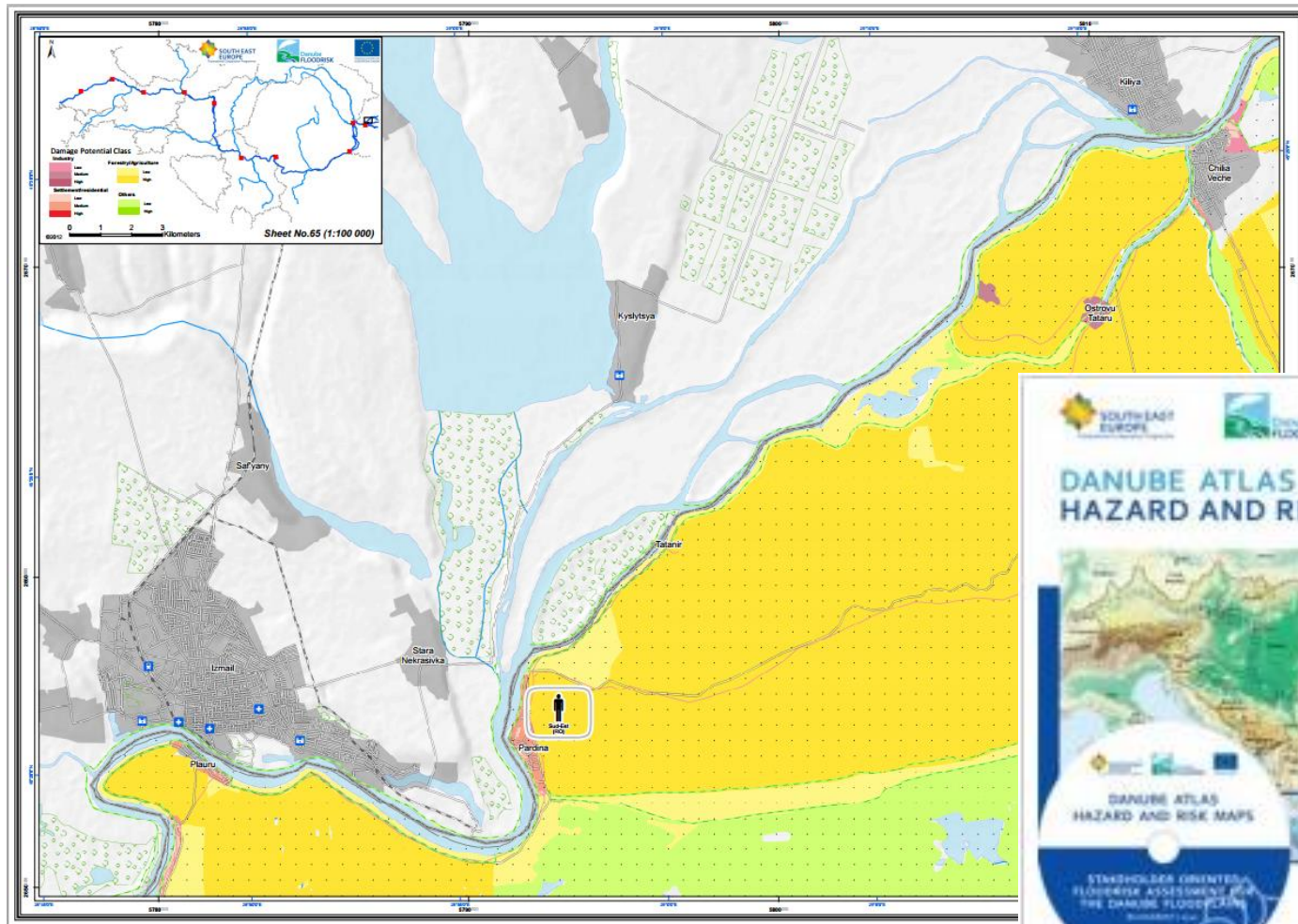
Ongoing and dynamic process

“It never ends..”

**Directive 2007/60/EC on the assessment and management of flood risks**



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## Flood sources:

- Spring-summer floods
- Storm rain floods
- Wind tides
- Ice blocking





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## Danube Delta Ukraine



## Reni city Case Study

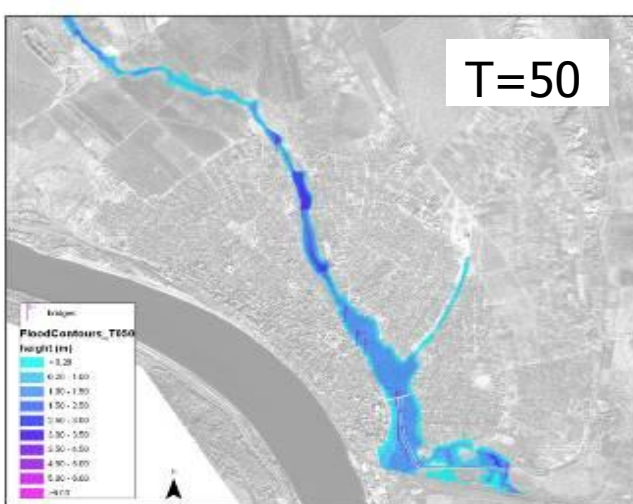
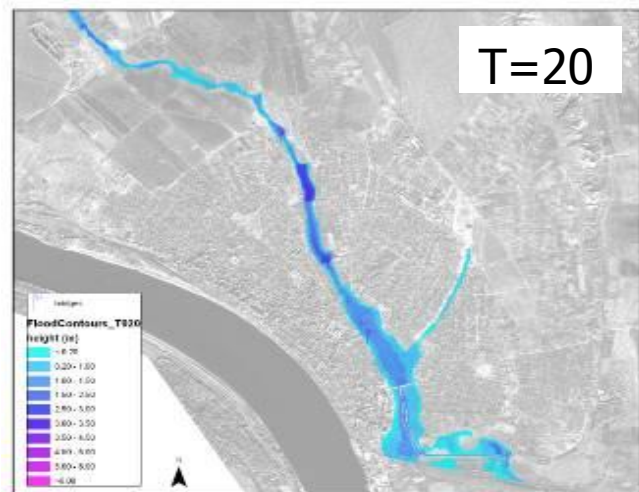
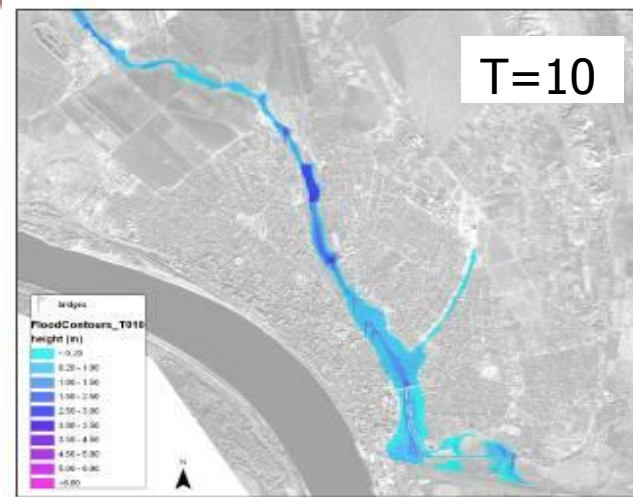
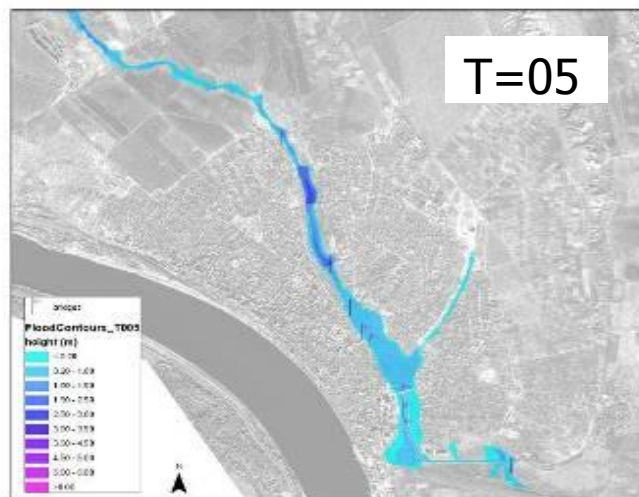




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Flood mapping – Reni flood 2005

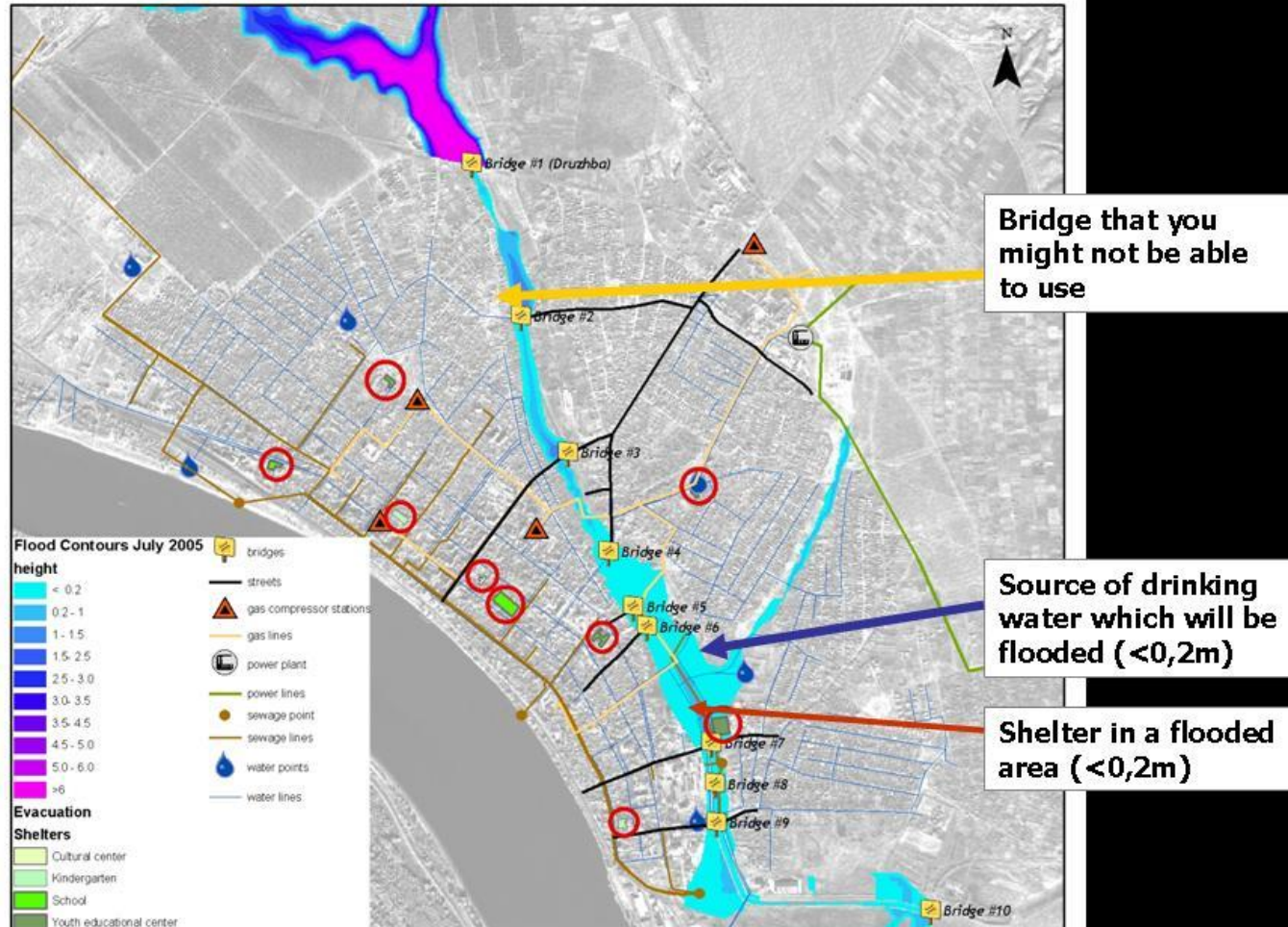


Flood probability mapping





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Flood Risk Mapping





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THANK YOU FOR YOUR ATTENTION