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2nd Webstival

05/09/2025

Living Lab Tympaki

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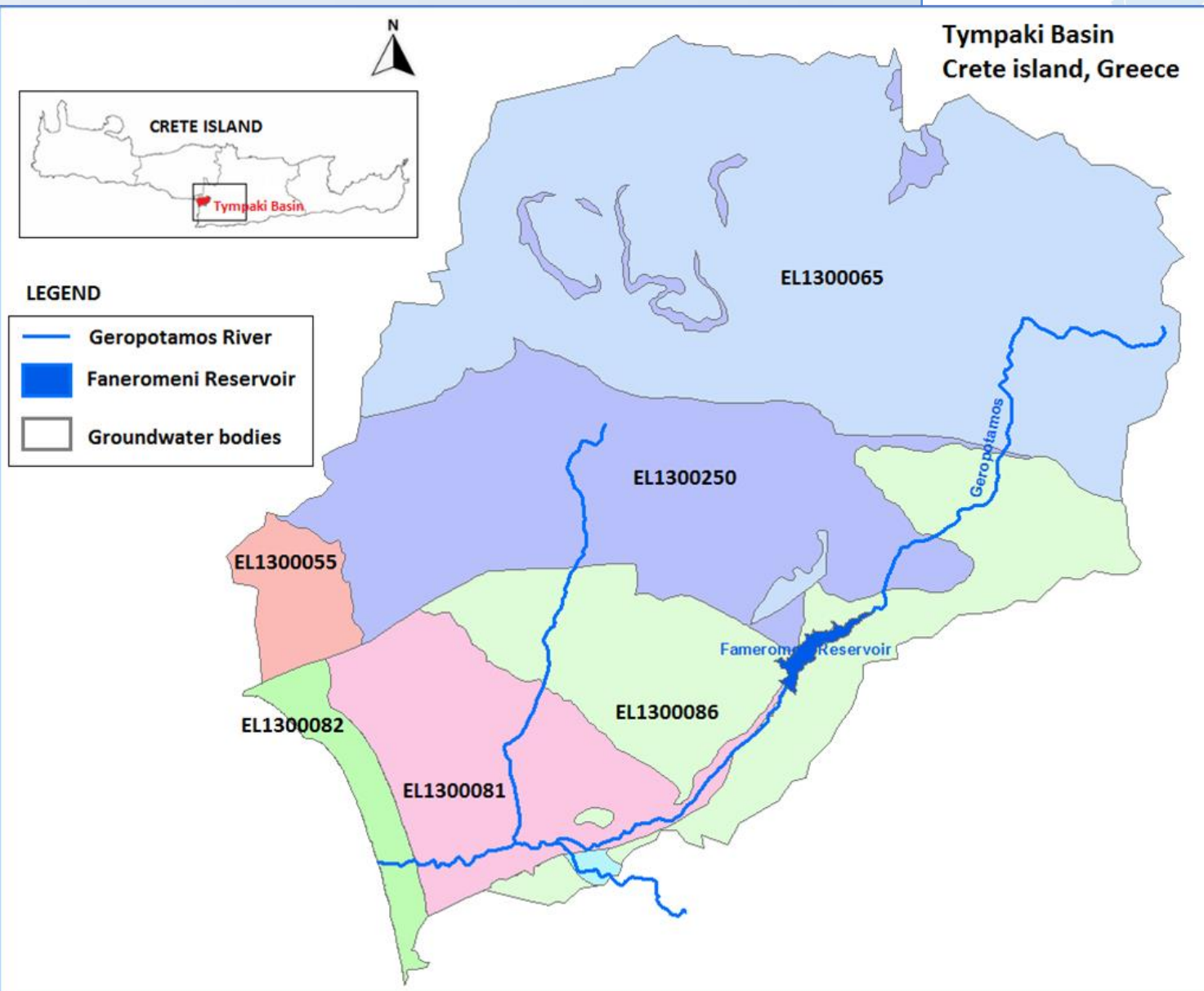
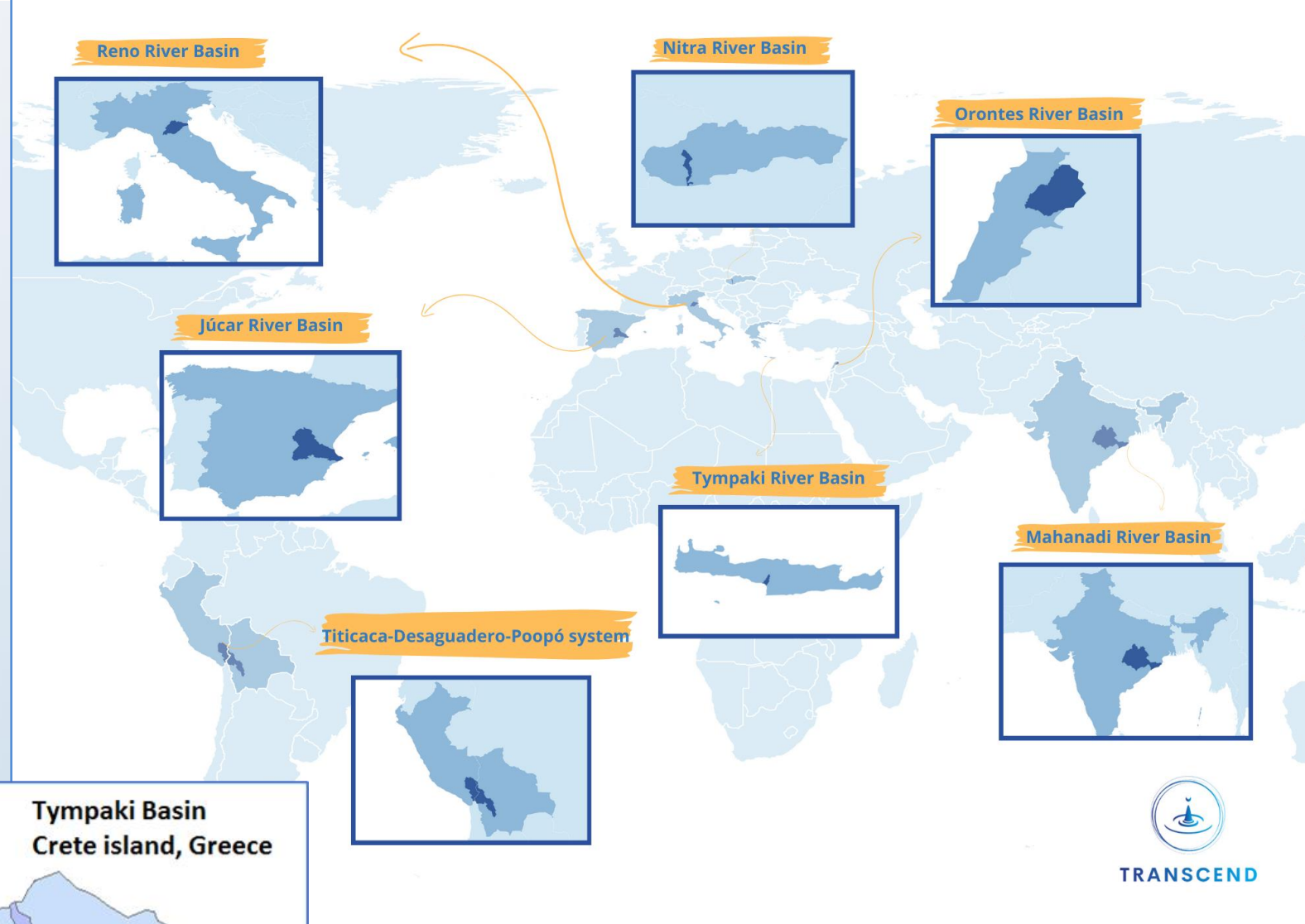


This project has received funding from the
EU Horizon Europe Programme



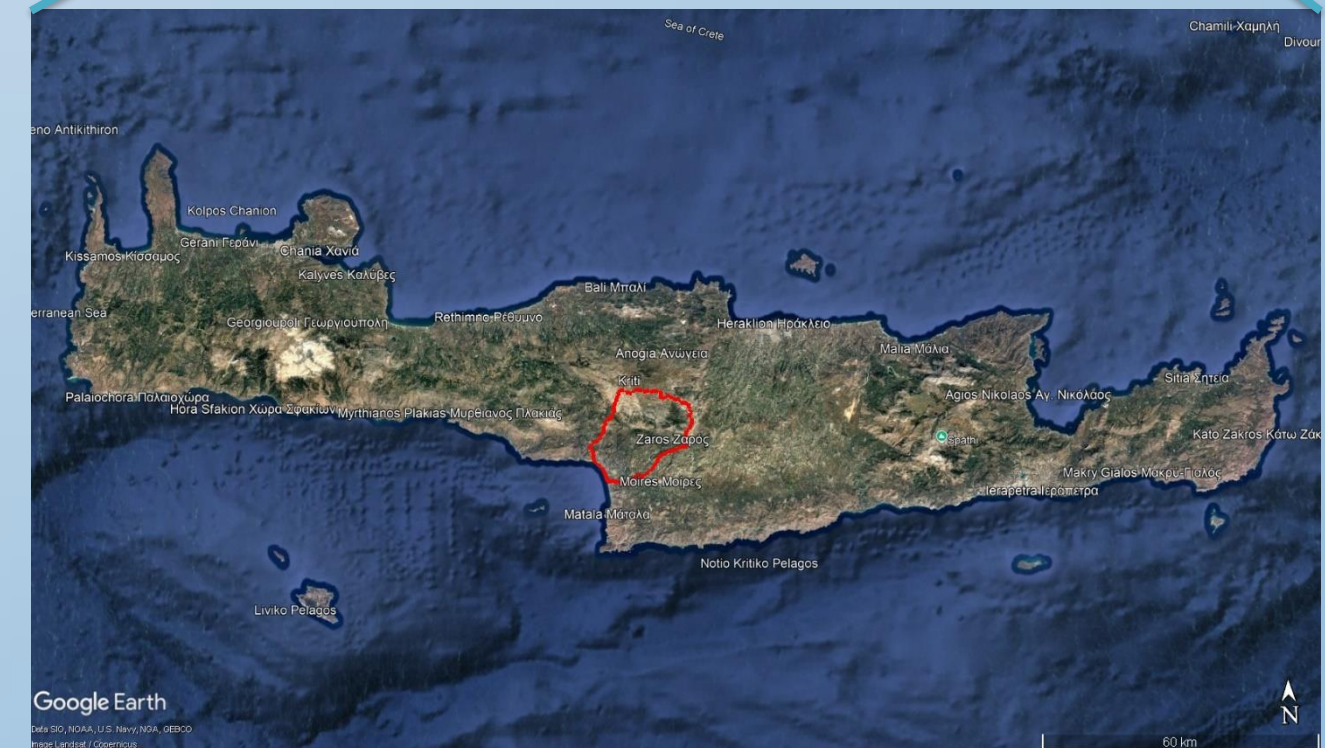
The main water use in the Tympaki basin is for:

- irrigation (94.7%),
- while urban and tourism (4.5%),
- livestock (0.7%)
- industry (0.03%)



The Tympaki study area encompasses

- a basin of about 265 km²,
- 7 river water bodies
- 6 groundwater bodies and
- the dam of Faneromeni.



TWO LIVING LAB OF TYMPAKI

- 1st living lab at September 2023
- 2nd living lab at February 2025

PARTICIPANTES

- a) **farmers** (agricultural use),
- b) **Municipality executives** (domestic and touristic supply),
- c) **Environmentalist** (ecological flow, protection of water etc.), and
- d) **Decision-Making executives.**



1st LIVING LAB (SEPTEMBER 2023)



2nd LIVING LAB (FEBRUARY 2025)



Challenges & Needs



FANEROMENI DAM (FEBRUARY 2025)

- Recurring drought and limited water resources
- Intensive agricultural production
- Water losses in networks & infrastructure gaps





Innovative Policies

- Deficit irrigation during dry years
- Crop change to less water-demanding species (avocados, figs, aloe)
- Construction of reservoirs and aquifer recharge
- Improved wastewater treatment for reuse
- Tiered water pricing and stricter user control



Financial Mechanisms

- **Tiered water pricing (penalties for overuse):**
 - In Greece: Managed by TOEB/GOEB & Municipalities
 - Some Local Land Reclamation Organizations (TOEV) apply tiered pricing (basic quota vs. overuse)
- **Payments for Ecosystem Services (PES):**
 - In Greece: No official PES system, but CAP agri-environmental schemes act indirectly as PES
 - Local pilot projects compensate farmers/herders for positive environmental practices
- **Water banks – trading and managing water rights:**
 - In Greece: No official water banking system
 - Management through water use permits and basin management plans
- **Co-financing infrastructure (cooperatives, public-private partnerships):**
 - In Greece: EU funds (NSRF, Recovery Fund, Rural Development Program) support water projects
 - Often requires co-funding from local organizations or cooperatives
 - Examples of cooperation between Municipalities, cooperatives and private actors



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Thank you very much for your attention!

