riverTemp

Education in categorization and identification of temporary rivers to fight climate change

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Co-funded by the Erasmus+ Programme of the European Union

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What´s new?

The Rivertemp team is working on the **pilot phase** of the Rivertemp Project.

From 14 to 18 July, 40 students from Italy, Spain, and Greece gathered in Avigliana (Turin) to tackle real-world challenges in the monitoring of temporary rivers.
During an intensive **5-day hackathon,** interdisciplinary teams analyzed satellite data and co-designed creative solutions for river monitoring.

Participants also had the chance to test on the field the **new IT tool – the Temporary River Classifier** developed by the project team, and the new online training course (MOOC), now avaliable from the **project website.**

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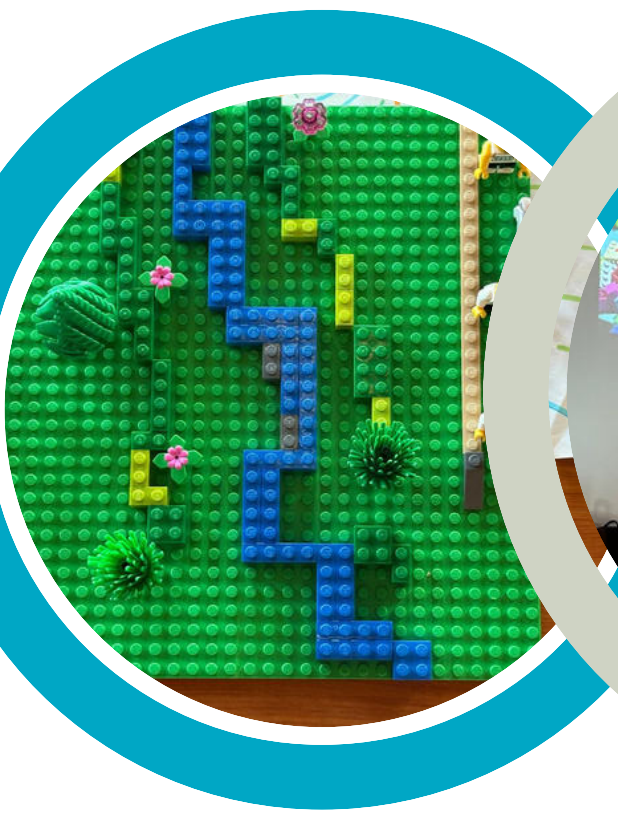

1. Hackathon in Turin

An intense week of fieldwork on non-perennial rivers, interactive educational workshops, and opportunities for discussion and exchange with students and teachers from the Polytechnic University of Valencia, the Technical University of Crete, and the Polytechnic University of Turin. The International Rivertemp Hackathon was hosted in Avigliana, in the beautiful setting of the Susa Valley in Piedmont.

The initiative was attended by 40 students from the Civil Engineering for the Environment and Territory and students from the River Restoration course of the master's degree programs in Environmental Engineering and Civil Engineering of the three countries.

The experience **was enriched by a design challenge,** in which students were able to collaborate on defining concrete solutions for the sustainable management of non-perennial rivers.
It was an opportunity to put the knowledge acquired into practice and develop cross-cutting skills such as **creativity, problem solving, and teamwork.**

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2. MOOC

More than an online course

The **fnal steps of Rivertemp project will take place through the pilot** from now, the contents are digitalized and open on the online course:

- MODULE 1: Introduction to temporary rivers and flow intermittency
- MODULE 2: Working with satellite images
- MODULE 3: Classification of hydrological conditions
- MODULE 4: A web classifier for temporary rivers
- MODULE 5: Time series analysis and hydrological modeling
- MODULE 6: Field trip activity
- MODULE 7: Workshop on satellite imagery analysis

They have already been presented to students during the hackathon and **any interested user** can join via the following link:

https://rivertemp.espacioelearning.com/login/

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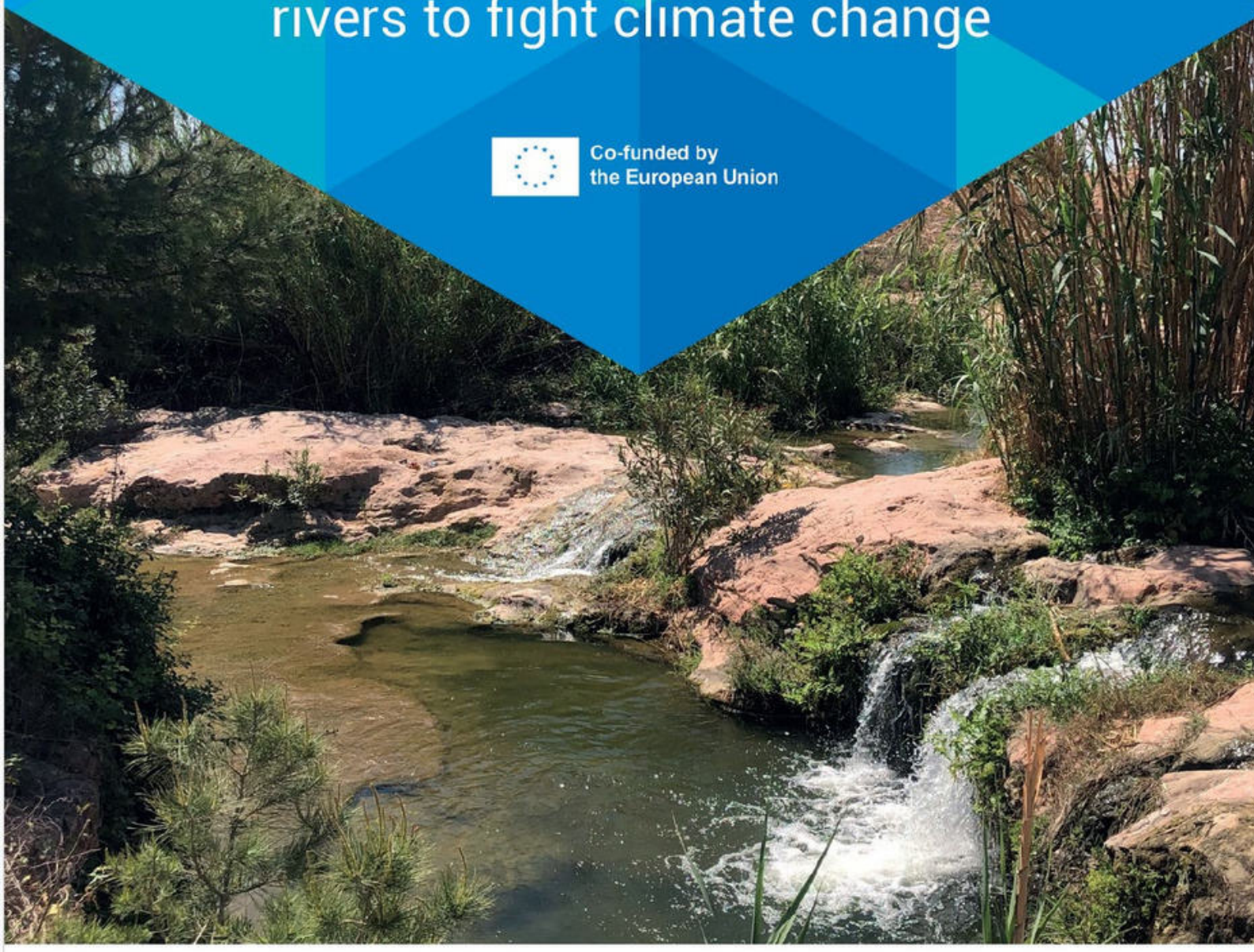

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