

The potential of Nature-based solutions (NBS) for water resources management in Mediterranean medium-sized cities in the context of climate change



University of Girona Summer school

WATER RESOURCES and ENVIRONMENTAL CHANGE - Erasmus Blended Intensive Program (BIP)

WHAT:

The intensive course will provide basic understanding of the interdisciplinary topic *The potential of Nature-based solutions (NBS) for water resources management in Mediterranean medium-sized cities in the context of climate change*, using a hybrid approach that combines:

- on-line Problem-based learning (PBL) formation, and
- face-to-face practical and interdisciplinary teamwork in Girona (Catalonia) to solve a real urban assignment.

WHEN:

June 20th – July 1st 2022

WHO:

30 students with different background (environmental sciences, biology, geography, urban planning and engineers) from the following international universities:

- Humboldt University, Germany
- University of Venice IUAV, Italy
- University of Sassari, Italy
- University of Genoa, Italy
- University of Ljubljana, Slovenia
- University of Girona, Catalonia, Spain

Establishment of three teams of 10 students with different background and origin.

HOW:

First week (mode *on-line*) (June 20th – June 24th)

- Formation about Problem-based learning (PBL) methodology
- Formation about NBS for Water Resources management in the context of Med cities
- Complementary conferences
- Presentation of the case/problem (PBL unit) and discussion

Second week (mode *face-to-face* in the University of Girona) (June 27th – July 1st)

- Assignment of real practical cases
- Interdisciplinary teamwork on diagnostics and proposals
- Field work and visit to related facilities
- Complementary conferences
- Final presentation and discussion