

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

# **COURSE SYLLABUS**

# Data Analysis Applied to the Environment: Sounscape as Index (Curricular - Environment)

2223-94R-SCGA33

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Data analysis applied to the environment: Soundscape as index of environmental quality

#### Teacher(s)

Giovanni Zambon; Roberto Benocci

#### Language

English

#### **Short description**

The concept of soundscape will be applied to terrestrial and marine habitats through the analysis of both natural (geophonies and biophonies) and non-natural sounds (anthrophony, that is the complex of sounds produced by human activity).

Topics:

- Introduction to environmental acoustic
- Introduction to soundscape as index of environmental quality
- Introduction to "R" program and data analysis
- Computation of indices performed in "R" environment
- Analysis and interpretation of the results

Evaluation: NO

#### **CFU / Hours**

1 CFU - 8 hours (8h lecture)

# **Teaching period**

II semester

### **Sustainable Development Goals**

SUSTAINABLE CITIES AND COMMUNITIES | LIFE BELOW WATER | LIFE ON LAND