UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

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

2223-94R-SCGA33

Title

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