

Syllabus 2022-23

Teachers (name and affiliation)	Giovanni Zambon (UNIMIB, dep. Earth and Environmental Sciences) Roberto Benocci (UNIMIB, dep. Earth and Environmental Sciences)
Title	Course in Data analysis applied to the environment: Soundscape as index of environmental quality.
Language	English
CFU	2
Hours	20
Program	<p><i>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).</i></p> <p><i>Topics:</i></p> <ul style="list-style-type: none"> - <i>Introduction to soundscape as index of environmental quality</i> - <i>Introduction to "R" program and data analysis</i> - <i>Introduction to clustering techniques, Principal Components Analysis and primary statistical tests</i> - <i>Computation of indices performed in "R" environment</i> - <i>Analysis and interpretation of the results</i>
Evaluation: YES/NO	NO
Calendar	<i>1 semester</i>