The Eco-Museum: an innovative educational methodology to discover the earth sciences

La Lenga L., Crescenzi E., Lana L., Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy

1. The pilot project “Towards an Ecomuseum of the Castelli Romani”

The project is divided into the following phases:

- The project is completed in three phases:
  1. Planning:
  2. Implementation:
  3. Evaluation:

The project aims to provide a comprehensive approach to the study of the earth sciences, integrating theoretical knowledge with practical experiences. It is designed to be implemented in a series of educational institutions across the Castelli Romani region, including schools, museums, and research institutions.

2. Activities

2.1 The Construction of the Ecomuseum Routes

The activities are designed to promote a comprehensive understanding of the earth sciences through a series of educational experiences. These include:

- Field trips to natural sites
- Laboratory sessions
- Workshops and seminars
- Interactive exhibits and multimedia presentations

The activities are structured to promote active learning and encourage students to engage with the materials in a hands-on manner.

3. Evaluation of the Project

The evaluation of the project is an integral part of the educational experience. It is designed to assess the effectiveness of the activities and to provide feedback for future improvements. The evaluation process includes:

- Self-assessment by students
- Teacher observation and feedback
- Peer review
- Parental involvement

The evaluation results are used to refine the project and to guide future educational initiatives.

The Eco-Museum project is an innovative educational methodology that provides a comprehensive approach to the study of the earth sciences. It integrates theoretical knowledge with practical experiences, promoting active learning and encouraging students to engage with the materials in a hands-on manner. The evaluation process is an integral part of the educational experience, allowing for continuous improvement and refinement of the project.

"The Eco-Museum: an innovative educational methodology to discover the earth sciences" is a project funded by the Italian Ministry of Education, University, and Research (MIUR). It is designed to promote a comprehensive understanding of the earth sciences through a series of educational experiences. The project aims to provide a comprehensive approach to the study of the earth sciences, integrating theoretical knowledge with practical experiences. It is designed to be implemented in a series of educational institutions across the Castelli Romani region, including schools, museums, and research institutions.

The project is divided into three phases:

- Planning:
- Implementation:
- Evaluation:

The project aims to provide a comprehensive approach to the study of the earth sciences, integrating theoretical knowledge with practical experiences. It is designed to be implemented in a series of educational institutions across the Castelli Romani region, including schools, museums, and research institutions.

2.1 The Construction of the Ecomuseum Routes

The activities are designed to promote a comprehensive understanding of the earth sciences through a series of educational experiences. These include:

- Field trips to natural sites
- Laboratory sessions
- Workshops and seminars
- Interactive exhibits and multimedia presentations

The activities are structured to promote active learning and encourage students to engage with the materials in a hands-on manner.

3. Evaluation of the Project

The evaluation of the project is an integral part of the educational experience. It is designed to assess the effectiveness of the activities and to provide feedback for future improvements. The evaluation process includes:

- Self-assessment by students
- Teacher observation and feedback
- Peer review
- Parental involvement

The evaluation results are used to refine the project and to guide future educational initiatives.

The Eco-Museum project is an innovative educational methodology that provides a comprehensive approach to the study of the earth sciences. It integrates theoretical knowledge with practical experiences, promoting active learning and encouraging students to engage with the materials in a hands-on manner. The evaluation process is an integral part of the educational experience, allowing for continuous improvement and refinement of the project.