

PRESENTATION BREIF nr. 1

JANUARY 2023

BIOETHICS AND SUSTAINABLE ENVIRONMENTAL
MANAGEMENT IN SCHOOLS

2022-1-SI01-KA220- SCH-000086423



OVERVIEW

The **BIOSEM project** is an initiative under the Erasmus+ KA220-SCH action, which focuses on fostering cooperation partnerships in school education. The project is scheduled to run from September 2022 to August 2024 and involves multiple European educational and research institutions.

PROJECT GOALS

BIOSEM aims to integrate bioethics and environmental management into high school curricula across Europe. The project intends to develop **educational materials and digital resources** to enhance students' and educators' understanding of sustainable practices and ethical considerations in environmental management.

PARTICIPATING ORGANIZATIONS



University of Ljubljana, Faculty of Theology

Coordinating institution, contributing extensive experience in international education projects.



International Balkan University

Focuses on ethical education and has strong links with local educational policies.



Osmangazi İlçe Milli Eğitim Müdürlüğü

Brings expertise in implementing local educational reforms and sustainability projects.



Daugavpils Zinātņu vidusskola

Offers experience in key competencies development and environmental education.



Istituto di Istruzione Superiore Leonardo

Known for its engagement in European educational projects with an emphasis on science and sustainability.



Şükrü Şankaya Anadolu Lisesi

Known for its diverse curriculum supporting student involvement in culture, science, arts, and sports, thereby nurturing well-qualified individuals prepared for global challenges.



BURSA
OSMANGAZI İLÇE MİLLİ EĞİTİM MÜDÜRLÜĞÜ



Asociación Cultural y Medioambiental Permacultura

Provides expertise in sustainable rural development and educational activities.



Urban Research and Education UG

Specializes in urban sustainability and educational projects.



CHALLENGES

The developers of the BIOSEM project faced a unique challenge. We intended to develop a programme to teach Bioethics in high schools, which means for students between 15 and 18 years of age. We are aware that while bioethics is not a regular school subject, we consider the content relevant to life today and especially to life in the future. We will develop the materials that can be used as a basis for an elective course or as part of regular school subjects (e.g., biology, chemistry, languages, civics, religion, etc.).

Bioethics builds a bridge between science and values. It places at the centre of its focus the relationship between individuals and the relationship of individuals to the environment in which they live. Bioethics sees the relationship of people to the life of the planet through the prism of ethical standards and principles. In that sense, bioethics gives an ethical judgement about whether the attitude of people towards life on the planet contributes to its sustainability in the long run or not. It seems that the attitudes of people towards life and the moral dilemmas related to that question are more relevant today than at any other time in history. This explains the relevance and growth of bioethics as a discipline.

We understand bioethics as an interdisciplinary approach to evaluate human intervention in life in all forms: in human life, in animal life and the life of the whole natural environment. Considering the scope of bioethics, we made a selection of seven topics. During the selection of the topics, we were guided by two criteria:

- 1. The topics to be relevant within the framework of bioethics*
- 2. The topics to be suitable for the age group to which the project is ultimately intended.*

OUR 7 TOPICS ARE:

1. Global Justice

2. Climate Change

3. Human Development

4. Ecosystem Health and Water resources

5. Science and Technology

6. Animal Living

7. Minimalist Living

PROJECT STRUCTURE AND IMPLEMENTATION

WORK PACKAGES

The project is structured into several work packages, including project management, development of BIOSEM educational and digital materials, and dissemination strategies.

EDUCATIONAL MATERIALS

Focus on creating interdisciplinary case-based content that integrates bioethics with environmental science. Based on the competences framework and the ethical dilemmas for each field, we will develop materials for the elective course Bioethics.

DIGITAL RESOURCES

Development of e-learning modules for teachers and presentation of good practices during the project.

IMPACT AND LONG-TERM GOALS

BIOSEM is expected to:

- **Equip students** with the skills to make ethical decisions regarding bioethical and environmental issues.
- **Enhance the sustainability** competencies of educators and educational leaders.
- **Foster a European network** of schools and institutions focused on sustainability and ethics in education.

CONCLUSION

BIOSEM represents a significant step towards integrating sustainability and bioethics into European high school education. Through its comprehensive approach combining educational materials, digital resources, and active cooperation among European institutions, BIOSEM aims to prepare future generations for ethical and environmentally sustainable decision-making.

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