

LUCAS Program

Unraveling the educational potential of the research and concepts of evolution

Project Team and partner contribution

A. Project Team

- Efstathios (Stathis) Frillingos: preparation of project proposal and organization-coordination of project team, conception of the logotype base idea and composition of the corresponding short explanatory texts, design of the pilot lessons, contribution to the writing of presentations and plans of pilot lessons, preparation of Questionnaires and writing of the annotations of answers to the Questionnaires, supervisor of the “Basic Concepts” section, co-supervisor of the “Health” section, writing of “Misconceptions of evolutionary concepts”, “Coevolution card games – Black Queen” “Coevolution card games – Red Queen”, “Storytelling approach natural selection”, preparation-writing of lessons “Concepts and misconceptions of evolution”, “What is coevolution”, “Chance-variation-selection-evolution”, “From biological evolution to Evolutionary Medicine”, composition and writing of pilot lesson “Coevolution games” (for Senior high school), contribution to the preparation and writing of presentations “Skin color”, “Lactose tolerance and intolerance”, “Bacterial resistance and evolution”, pilot lesson implementation coordination and supervision, LUCAS Hub management team leader, project Scientific Manager.
- Spyridon Georgatos: central contribution to project proposal preparation, supervisor of the “Society” section, preparation and writing of the lesson “Altruistic behavior and evolution”, contribution to writing of lesson plans for the pilot lessons, member of the LUCAS Hub management team.

- Konstantinos Sotiropoulos: supervisor of the “Nature” section, preparation and writing of the lesson “Evolution-Biodiversity-Climate change” (for Secondary School and Primary School), contribution to writing of lesson plans for the pilot lessons.
- Evangelia Ntzani: central contribution to project proposal preparation, co-supervisor of the “Health” section, writing of the lesson “Evolution, cancer and ageing”, contribution to writing of lesson plans for the pilot lessons, co-supervisor of pilot lesson implementation, member of the LUCAS Hub management team.
- Polyxeni (Jenny) Pagge: central contribution to project proposal preparation, co-supervisor of preparation of the pilot lesson “The twelve little tigercats”, supervisor of teaching support for project application in school units.
- Ekaterini Karena-Efstathiou: central contribution to project proposal preparation, preparation, writing and implementation of the pilot lesson “Coevolution games” (for Senior high school), presentation-discussion of the activity “Coevolution games” for teachers.
- Anastasia Touka: LUCAS Hub operational support (2022-22), writing of initial version of the texts “Playing for natural selection – Hunting for beans”, “Playing for natural selection – Darwin’s finches”, “Playing for natural selection – Spoons, forks, chopsticks, straws”, writing of first versions of the presentations “Skin color”, “Lactose tolerance and intolerance”.
- Panagiota Lazaridi: LUCAS Hub operational support (2023-24), preparation-writing-implementation of pilot lesson “Antibiotics and bacteria” (for Junior high school), contribution to writing of the text “Lactose tolerance and intolerance”, writing of the text “Bacterial resistance and evolution”, composition and writing of “How is altruistic behavior preserved in nature”, presentation-discussion of the activity “Antibiotics and bacteria” for teachers.
- Georgia Voudouri: LUCAS Hub operational support (2023-24), preparation-writing-implementation of pilot lesson “Become a finch!” (for Primary school), contribution to writing of text “Skin color”, writing of the presentation “How are humans affecting the

environmental balance”, presentation-discussion of the activity “Become a finch!” for teachers.

- Chrysoula Strati: teaching contribution to implementation of the pilot lessons.
- Konstantina Koutsouroumpa: linguistic-philological editing of Greek texts.

B. Colleagues

- Spyridon Papakostas: contribution to preparation of the content of Questionnaire, writing of the text “The evolutionary theory in 24 questions”.
- Zoe Vasileiou: author of the tale “The twelve little tigercats” and preparation of corresponding pilot lesson for Preschool children.
- Iasonas Frilingos: design-implementation of project logotypes and coevolution game cards, illustrator of the tale “The twelve little tigercats”.
- Adrianos Frilingos: English translation of texts.
- John Marountas: design-programming and continuous support of the project website (<https://evoresconedu.gr/site/>).

Γ. Collaborating entities

- Regional Directorate of Primary and Secondary Education of Epirus (approval of implementation of the project pilot lessons for school years 2023-2024 and 2024-2025).
- General Secretariat for Vocational Education, Training and Life-long Learning, Directorate of Life-long Learning, Ministry of Education, Religious Affairs and Sports (approval of implementation of project pilot lessons in Second Chance School, school year 2023-2024).
- Epirus Prefecture Schools participating in the implementation of the project pilot lessons (school year 2023-2024):

Primary level (primary schools):

Plataria Primary school

Votonosi Primary school

Mikro Peristeri Primary school

18th Primary school of Ioannina

Archdiocesan Centre of Creative Activities for Children
("Archbishop Ieronymos II" C.C.A.C. (ΚΔΑΠ), Ioannina)

Secondary level (junior high schools)

1st Gymnasium of Philippiada

1st Gymnasium of Anatoli

Koutselio Gymnasium

Doliana Gymnasium

1st Gymnasium of Ioannina

Dodonaea Private Schools

Secondary level (senior high schools)

Preveza Evening Vocational Senior High School

Eleousa General Lyceum

Metsovo General Lyceum

Doliana General Lyceum

4th General Lyceum of Ioannina

8th General Lyceum of Ioannina

Secondary Chance Schools

Ioannina Secondary Chance School

Arta Secondary Chance School

- University of Ioannina (UOI) (participation of UOI Schools and Departments in implementation of the project pilot lessons)

School of Social Sciences

Department of Psychology

School of Educational Sciences

Department of Early Childhood Education

School of Health Sciences

Department of Medicine