

Module 7: The aims of Socio-Scientific Issues and the curriculum

Module 07 focuses on

aspects of environmental SSIs (EnvSSIs) that are related to the educational goals of schools as intended in the curricula

as enacted in classroom practices.

Learning outcomes

Prospective teachers develop awareness about

- Characteristics of embedding EnvSSIs in national curricula
- Challenges might face when handling controversies and uncertainty

Prospective teachers will develop skills on how

- to design a role-playing scenario
- to analyse students' arguments.

Module contains

- Theoretical frameworks for analyzing students' argumentation
- Classroom exemplar tasks
- Ways for evaluating students' tasks

Exemplar tasks



Debating through a role-playing scenario.

Based on the issue: Are plastic bags or paper bags better for the environment?



- Group 1 and Group 2 will prepare an argumentation to support their views to form a debate in front of Group 3.
- Group 3 will write a report to recommend to the city council of your city about the use of plastic or paper bags. Are the evidence-based arguments provided strong enough to persuade the city council?

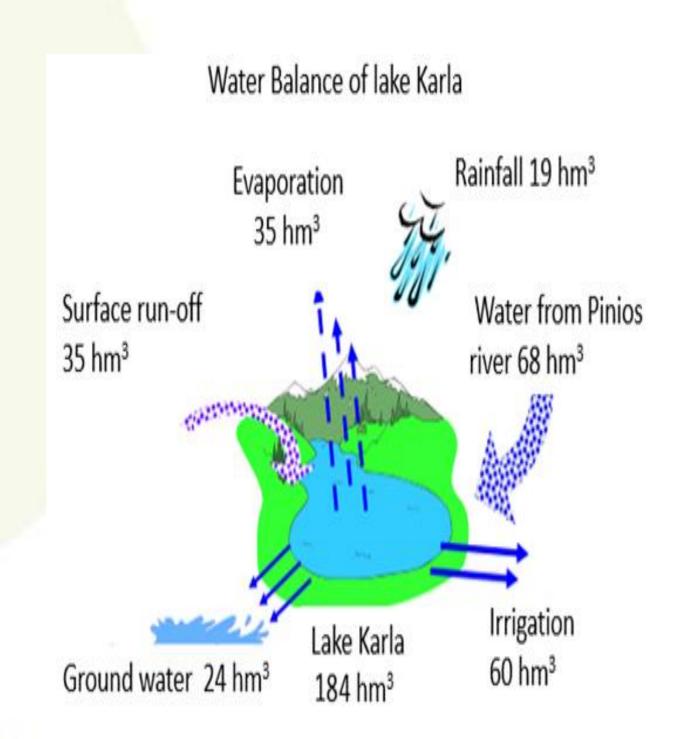
The case of Lake Karla Lake Drainage



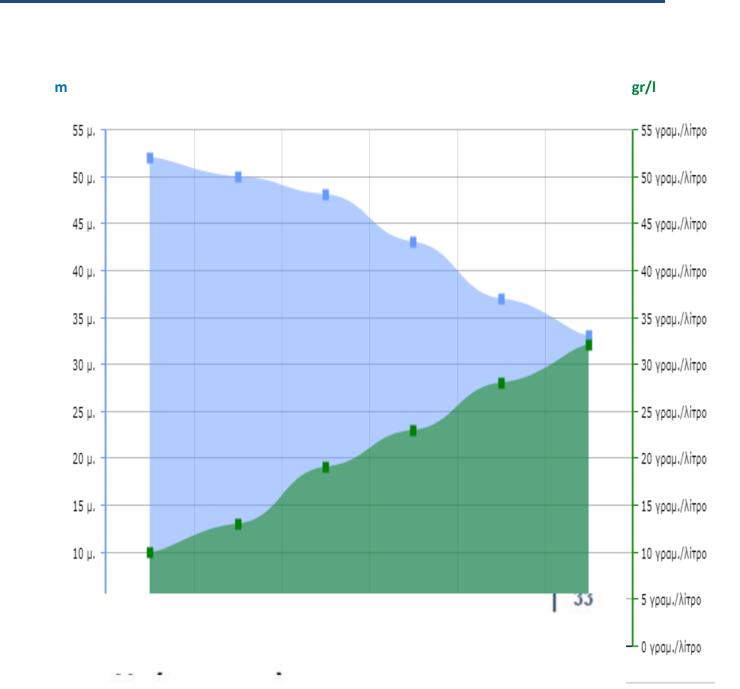
Lake Re-creation



Resource: Yearly water balance of Karla Lake

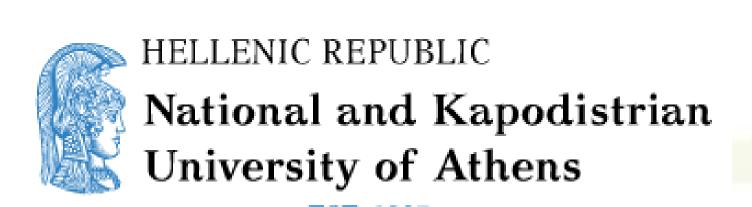


Resource: the evolution of salinity level and its consequences



Discussing about "uncertainty"

Discuss in your group how the "uncertainty" involved in the Karla Lake issue could be dealt in a classroom lesson?



Resources https://www.espa.gr/en/pages/BestPracticesFS.aspx?item=1246 http://photodentro.edu.gr/lor/r/8521/10918?locale=el https://ec.europa.eu/regional policy/en/projects/greece/lake-karla-welcomes-new-life https://www.mixanitouxronou.gr/i-ikona-pou-thimizi-erimo-itan-o-defteros-megaliteros-idroviotopos-stin-ellada-apoxiranthike-to-1962prokalontas-ikologiki-katastrofi-simera-ginete-prospathia-gia-anadimiourgia-tis-limnis-foto-vi/



