

# GROUNDWATER :

## LEARN TO PRESERVE THE EUROPEAN UNDERGROUND ENVIRONMENT

Fabrice Mourau <sup>1,2</sup> : Science teacher, project coordinator

Giuseppe Patti <sup>3</sup> : Science teacher

1 : Middle school *Pierre de Coubertin*, Le Luc

2 : *EDUMED Observatory* (UMR Géoazur, OCA, UCA), Valbonne

3 : High school *liceo Archimedeo*, Acireale

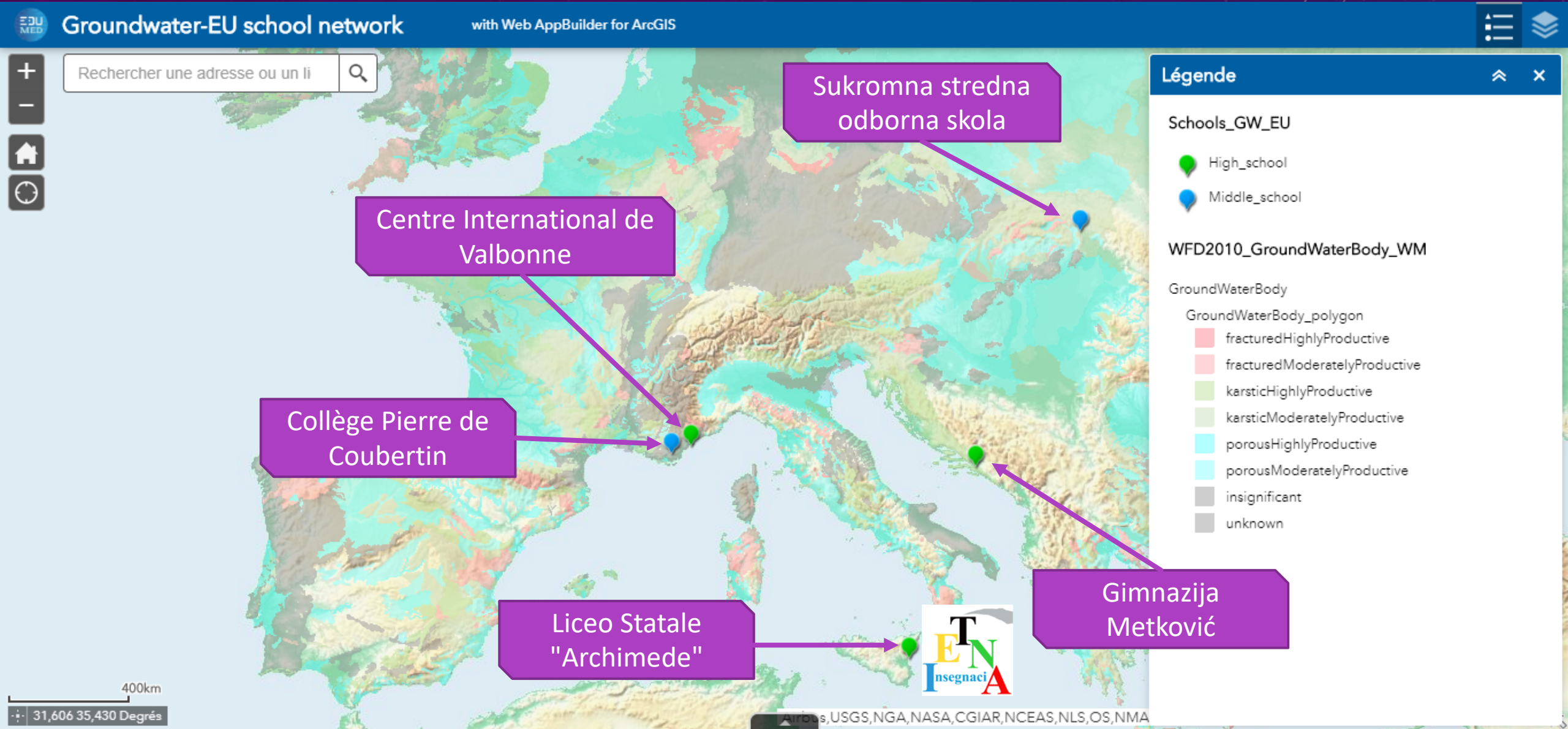


### Groundwater :

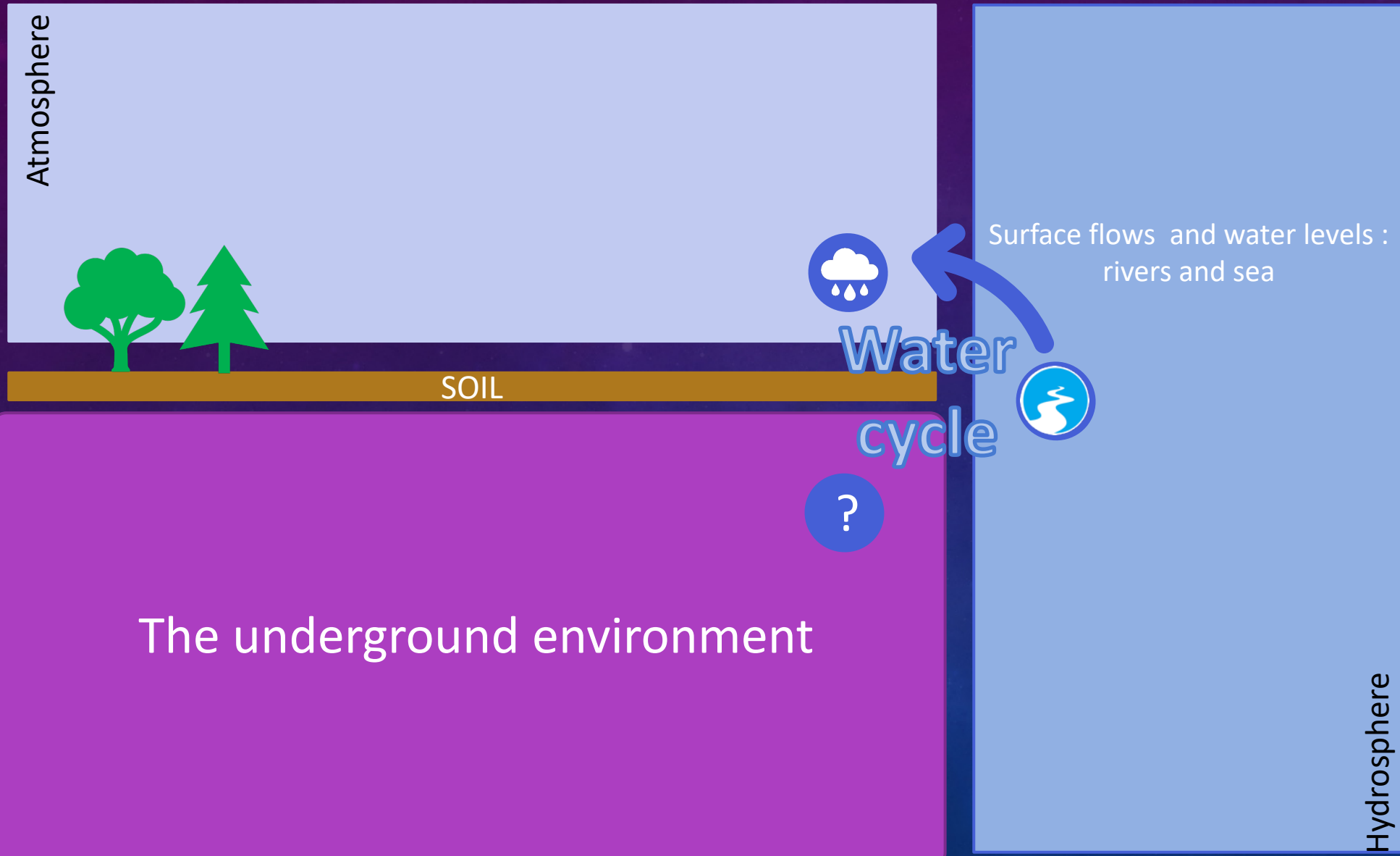
Learn to preserve the European underground environment

Photo: Two young speleologists sailing towards the first siphon of the *Regai de Néoules* cave, France.  
(photo: F. Mourau)

# GW-EU : PROJECT SCHOOL PARTNERS



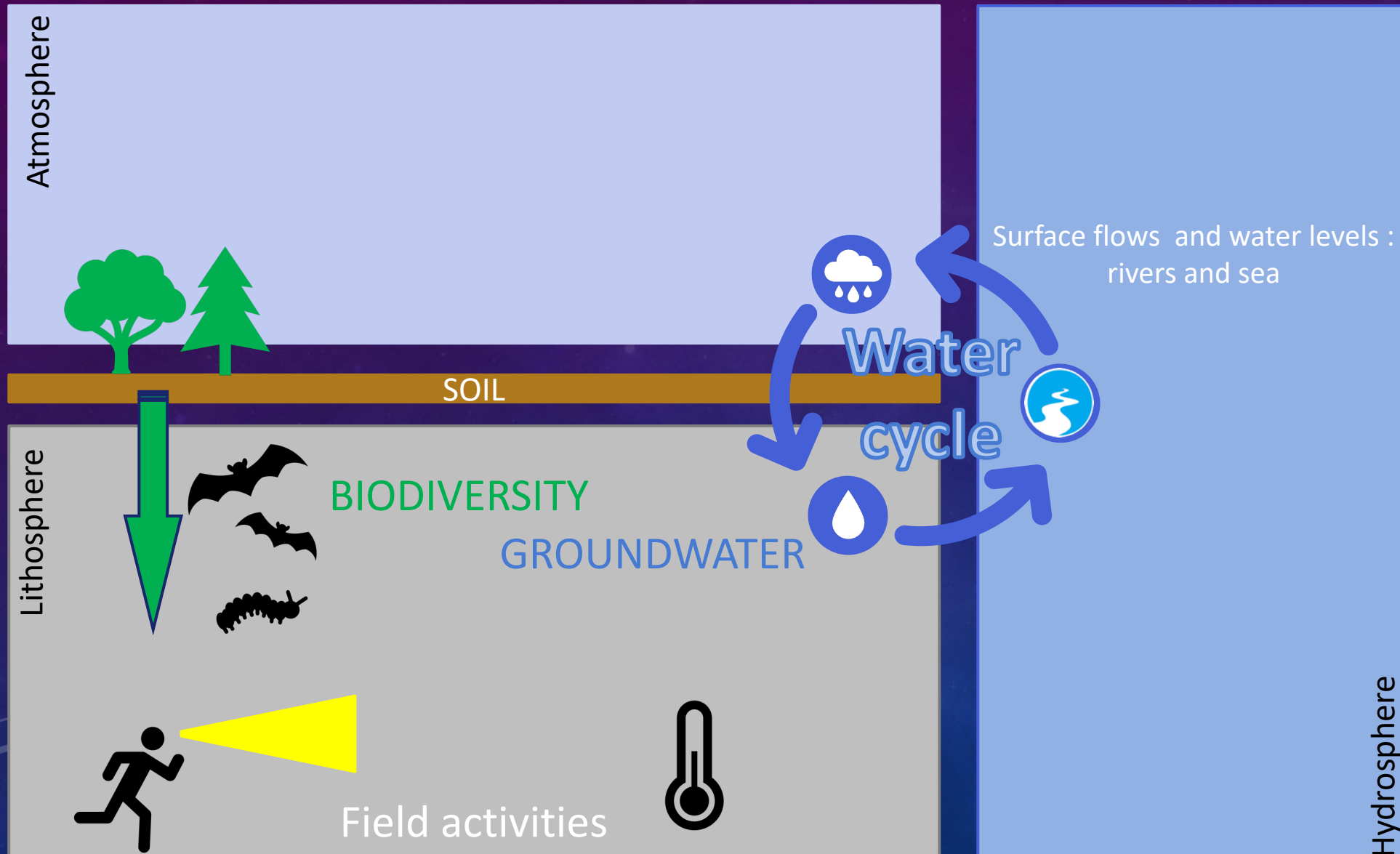
# GW-EU : PROJECT SUMMARY



Through partnerships with universities and speleologists, animating field activities, collecting and analysing data to teach :

- The underground environment
- The relationships between atmosphere, lithosphere and hydrosphere with a dedicated focus to BIODIVERSITY and GROUNDWATER.
- ...

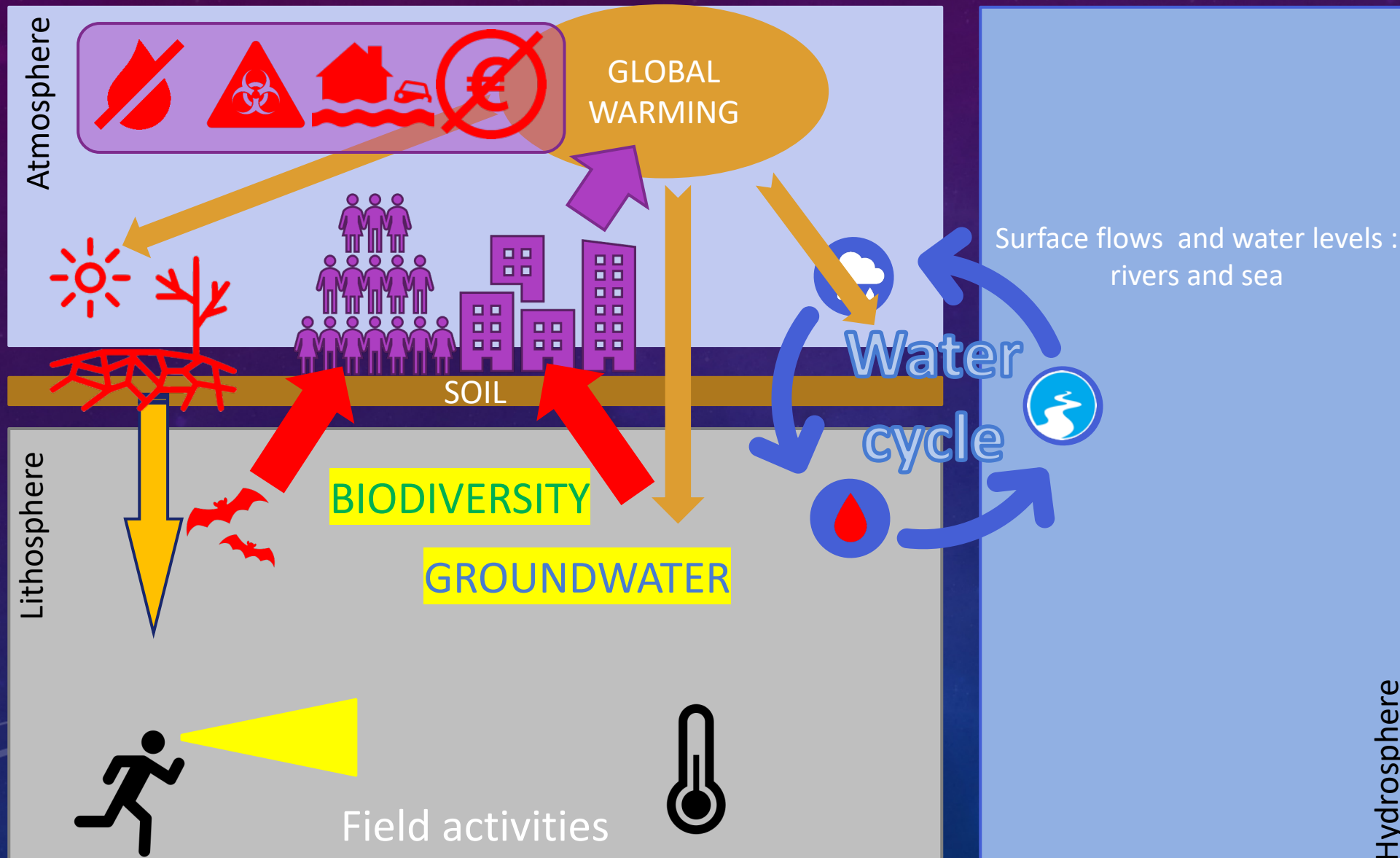
# GW-EU : PROJECT SUMMARY



Through partnerships with universities and speleologists, animating field activities, collecting and analysing data to teach :

- The underground environment
- The relationships between atmosphere, lithosphere and hydrosphere with a dedicated focus to BIODIVERSITY and GROUNDWATER.
- ...

# GW-EU : PROJECT SUMMARY



And especially how these relationships are affected by the global warming and, of course, the feedback on society :

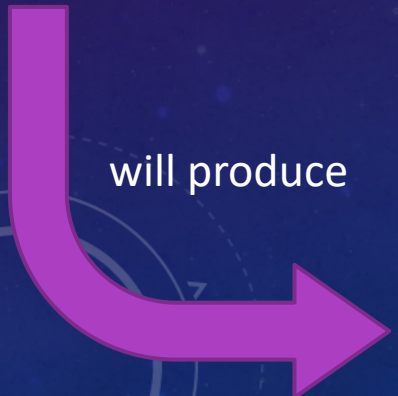
- Loss of water resources
- Flood risk
- Diseases linked to loss of biodiversity
- Economic disaster

# GW-EU : PROJECT SUMMARY

Because the fight against climate change requires the education of citizens



will produce



-  Field observations and measures
-  DATA
-  Activities and exercises for students
-  Lessons

1 case study / year

Presented by students during C3 and C5  
(April 2021/Italy and 2022/France)

Reviewed by  
teachers,  
researchers  
and  
speleologists

Published for  
a wider  
audience on  
internet,  
congresses  
and scientific  
publications



June 2021 and 2022