

Use Case 2A



Biodiversity monitoring in urban environment

Use Case 2A aims to transform urban biodiversity monitoring through advanced satellite data, making it accessible to cities of all sizes. Developed by CERTH with AQUATEC, the project leverages deep learning to enhance Sentinel imagery for identifying plant species, assessing vegetation health, and mapping urban water bodies. Unlike traditional methods, it uses Copernicus data for frequent, comprehensive green and blue infrastructure monitoring. This scalable solution will be tested across Spanish cities, supporting new ecosystem services for municipalities.

For collaboration, contact Sotiris Paraskevopoulos, sotirispara@iti.gr or Agustin Torres Jerez (agustin.torres@aquatec.es).



ThinkingEarth

Copernicus Foundation Models for a Thinking Earth

ThinkingEarth will utilise AI to create Copernicus Foundation Models and a Graph representation of the Earth. Four Use Cases are being developed under the project.

Find out more and follow us for updates.



thinking-earth.eu





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