

# GECO2 PROJECT OVERVIEW

ARPAE | Climate observatory | Vittorio Marletto

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# GECO2: why?

The ongoing **climate change** is a real threat to the fragile balance of our planet and is one of the major environmental challenges that our generation will face.

The scientific community largely agrees that the main cause of global warming is linked with human activities proliferation, anthropogenic emissions of **greenhouse gases** (GHG), measured as carbon dioxide equivalent (**CO<sub>2</sub>e**).

The so called greenhouse effect generates as a consequence a gradual warming of Earth's atmosphere leading to dramatic social, environmental and climatic impacts.

Regardless of international efforts to mitigate climate change, communities throughout Adriatic Sea need to adapt themselves to the changing environmental conditions.

Recent studies (UNPD), show forecasts with **severe increase of extreme events in Adriatic coastal** areas, including “tropical” rain events, heat waves, soil erosion and desertification. **Restoring efficient agroecosystems** will reduce at the same time, the risks of floods (e.g. healthy soil can absorb more water), erosion (e.g. soil covering reduces erosion), heat waves.

# GECO2 in a nutshell

Considering all these reasons, it becomes more and more urgent to **develop concrete actions** for facing the problem also in Adriatic Region.

The project intends therefore to intervene through a **multilateral approach** in order to **recover soil capability** and **increase agriculture adaptability** to climate changes: to set up a regional **monitoring** system, that collect data regarding resilience, **GHG emissions and absorptions** introducing and promoting innovative policies and techniques on **climate change adaptation and mitigation**.

Geco2's core innovative idea is to link these urgent actions with the creation, at crossborder and interregional level, of a **VOLUNTARY CARBON MARKET**, able to self-sustain the adopted environmental measures also from the economical point of view.

Each selected **farmer** participating to pilot project phase will be supported by GECO2 resources on **measuring co2e absorptions** and identifying **buyers** interested on **acquiring** their corresponding **credits**.

# GECO2: highlight on carbon market

The carbon market will bring opportunities and **benefits** to all the involved actors:

- **farmers** will gain a special **added value** both from economic (selling co2e credits) and qualitative (being supported on introducing innovative practises stocking carbon in soils) side;
- **industrial and services companies** will have the opportunity to use a **new green marketing lever** able to environmentally characterise their products;
- **local governments and public authorities** will improve the **environment** and **agricultural** management of their regions;
- **general public** and consumers will enjoy best environmental conditions and more **ecofriendly products**.

## WIN-WIN SOLUTION

The matching of carbon credits supply with the compensation requests may therefore be a winning formula for everyone: farmers, landowners, companies, public administrations, citizens and more generally for the environment as a whole.

# CONTACTS

**Organisation name:** Arpae

**Contact person:** Vittorio  
Marletto

 Address: viale Silvani 6,40122 Bologna

 email@: vmarletto@arpae.it

 Telephone number: 0039 0516497564

 [www.italy-croatia.eu/geco2](http://www.italy-croatia.eu/geco2)