



CO2 PACMAN

COoperation and CO-designing PARTnership for CLiMAtE Neutrality

The **CO2 PACMAN** project is guiding Mediterranean islands on an exciting journey toward climate neutrality and adaptation, with citizens and local stakeholders at the heart of the transformation! Using gamification and interactive elements, the project makes it easy for everyone—regardless of age, background, or education—to understand how different measures can reduce CO2 emissions and help adapt to climate change. Building on previous projects like Interreg Med BLUE DEAL, COMPOSE Plus, and FP7 CityZen, CO2 PACMAN equips three islands—Brac in Croatia, Crete in Greece, and Elba in Italy—with the tools and knowledge needed for integrated decarbonization planning. **The project offers multi-purpose solutions for CO2 reduction, addressing a wide range of sectors including energy, buildings, mobility, water and waste management, and tourism. The project's inclusive and engaging approach mobilises public authorities, citizens, and stakeholders in co-creating transition scenarios.** The project's main activities include two rounds of Living Labs on each island: the "Rooting Labs" and the "Island I Would Like" Labs. The Labs engage everyone, with a special focus on students through a Youth Think Tank. Public-private cooperation is also encouraged, supported by a cooperative web platform for Open Innovation Action submissions and a Business Forum. To make the experience even more immersive and relatable, Virtual Reality is used to visualize and compare different transition scenarios. CO2 PACMAN aims to extend this experience to other islands, using the insights gained to develop a comprehensive cooperative planning framework. This framework will include a joint strategy and action plan for climate change mitigation and adaptation, providing a model that can be replicated across other islands and coastal areas.

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Overall objective: CO2 PACMAN is fostering Mediterranean islands transition to climate neutrality. The project targets three islands currently dependent on fossil fuels, with limited infrastructure, services, and economic diversity. Drawing from the outcomes of previous projects CO2 PACMAN develops a visualization and assessment tool to guide this transition. The project fosters community engagement through two rounds of Living Labs, a Youth Think Tank, and a Business Forum and Innovation platform. The result are co-created, integrative roadmaps that outline multi-purpose solutions for achieving net-zero carbon communities.



Main deliverables:

- CO2 Pacman datasets and tool
- Citizen survey, Youth Think report, Financing the transition: evaluation report
- Pilot islands transition roadmaps



Pilot activities: Decarbonisation pilot actions in Elba Island, Brac Island, Crete Island



Partners:

- **University of Siena, Italy**
- University of Florence – Architecture, Italy
- The International Centre for Sustainable Development of Energy, Water and Environment Systems – SDEWES Centre, Croatia
- European Business and Innovation Centre of Valencia (BIC Valencia) – CEEI Valencia, Spain
- European Public Law Organization – EPLO, Greece
- GEOIMAGING, Cyprus
- Technical University of Crete, Greece
- Split-Dalmatia County, Croatia
- CENER 21 - Association Center for Energy, Environment and Resources IPA, Bosnia and Herzegovina
- Green Industry Innovations and technology transfer Foundation, Bulgaria



Territories:
Islands

