





Valerio Molinari

Majority Shareholder - Ecogest SpA and Founder of the CCSC

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Hosted by

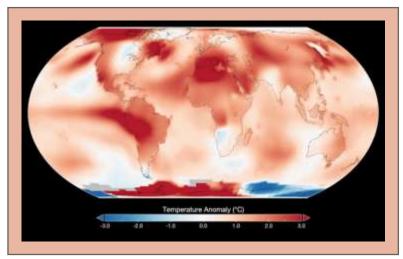








NASA considers July 2023 the hottest month on record since 1880













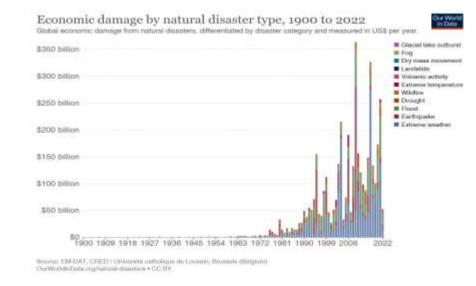








CLIMATE CHANGE is a risk driver that is increasing the intensity and frequency of DISASTERS and endangering the life of our ROAD INFRASTRUCTURE NETWORK.

















Climate-resilient infrastructure

Risk assessment in the medium and long term

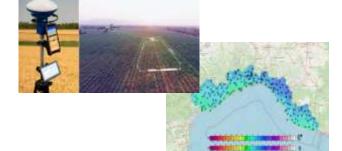






No-regret actions and technology







Planning or specific adaptation interventions



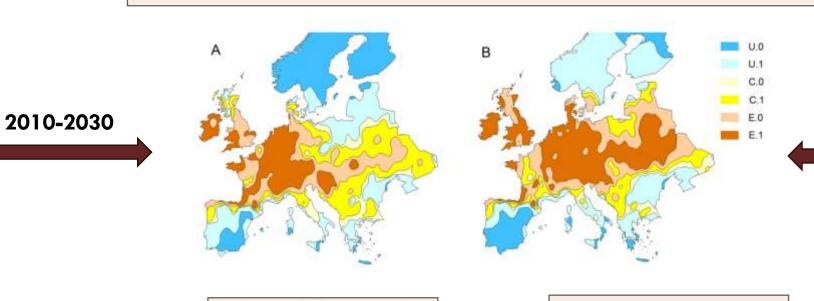








Distribution of Ambrosia artemisiifolia (common ragweed) in Europe under climate change



2050-2070

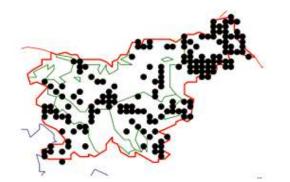


STUDY CENTRE





Distribution map for Common ragweed (Ambrosia artemisiifoia L.) in Slovenia



Common ragweed (Ambrosia artemisiifoia L.)







Climate change affects the weeds, their management, and cost of their control.

The invasive and penetrating capacity of the plants, and of the entire green system, is in a position to compromise not only the safety of the roadway, but also the tightness of the works of art.



















Importance of nature-based solutions

Naturalistic engineering works



































Final Report Presentation Pilot Study

March 2021 - March 2023

- Tangenziale di Mestre from km 13+700 to km 14+000
- A4 Passante di Mestre from km 377+500 to km 377+800
- A4/A57 Venice-Padova from km 366+500 to km 366+800







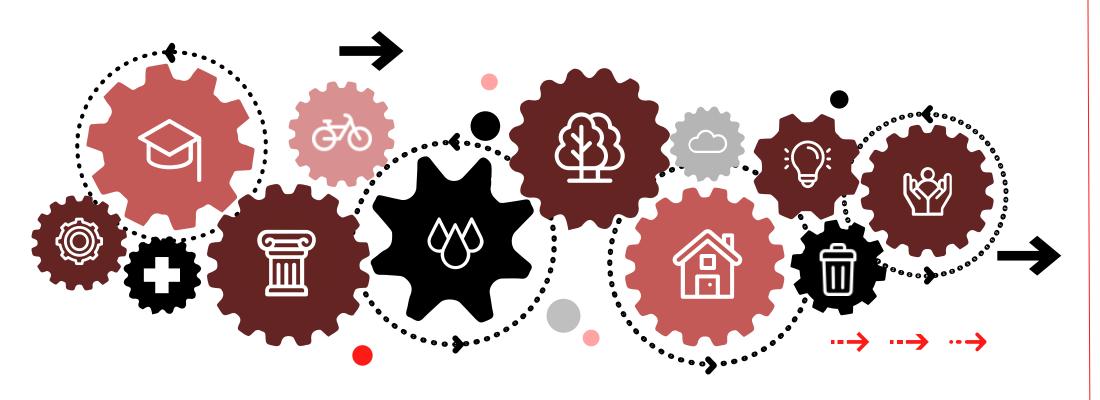








Everything is connected!







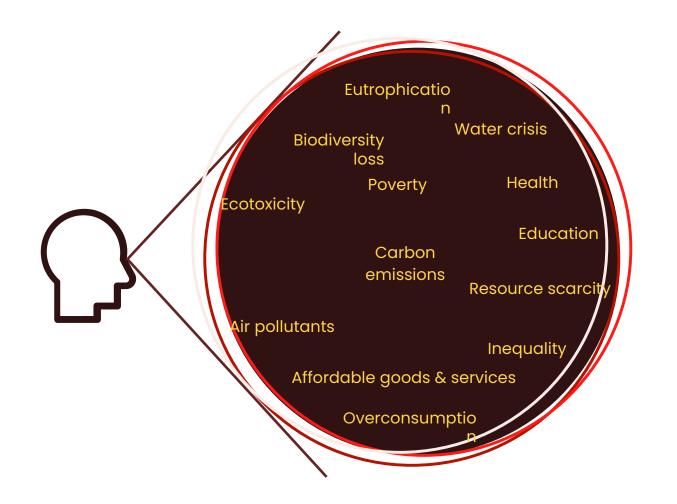








Kassandra's Vision















Primary Aims of the Pilot Study





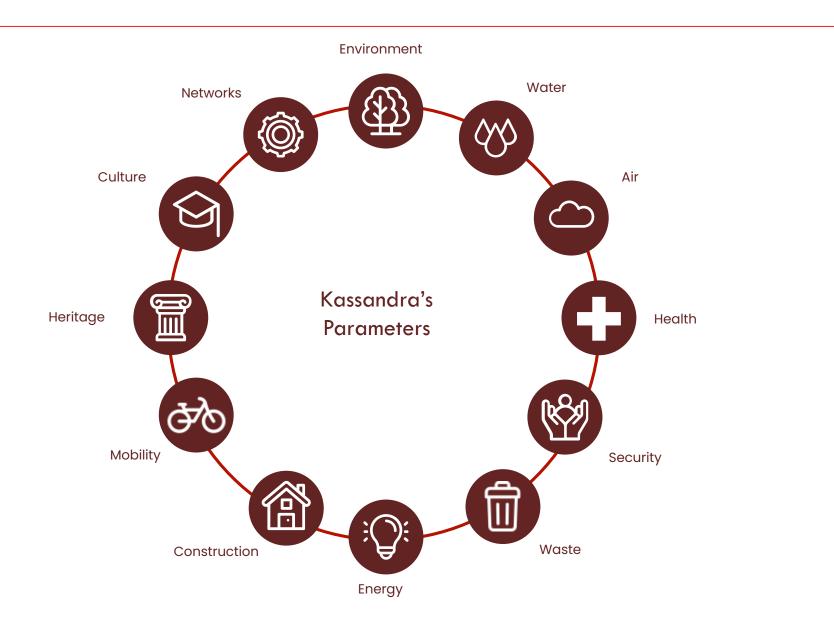
























Pilot Study, methodology

Analyze and give visibility to current critical issues in terms of resilience to climate change

Analyze and give visibility to current critical issues in terms of impact on the quality of life of those who use the motorway or live near it

Create the "digital twin" of the motorway sections considered in this pilot study

Create a specific database

Use the "digital twin" to allow the creation and modulation of different scenarios to improve the elements where there are critical issues in the current state

Create the "best scenario" for each road section

Gives to the Concessioni Autostradali Venete Managment a Final Report















CLASS 20

10%

METAL TYPE: H3-A-W8 (3n28361)

















WIND DIRECTION





SOIL DATA

Public









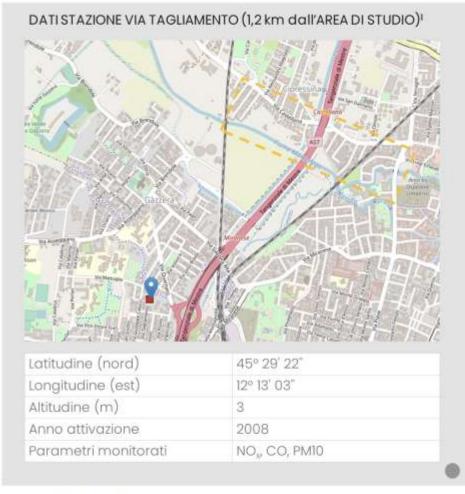


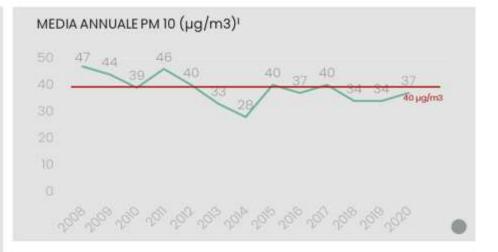


















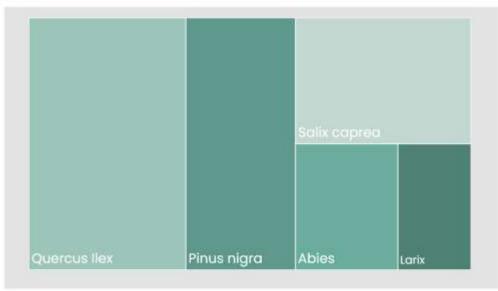


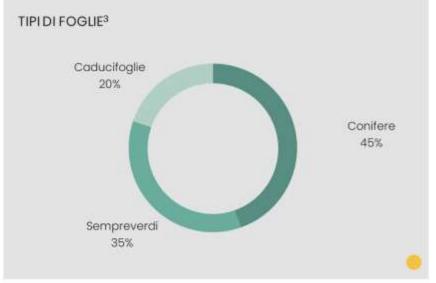










































The Actions Approach



Best Solutions





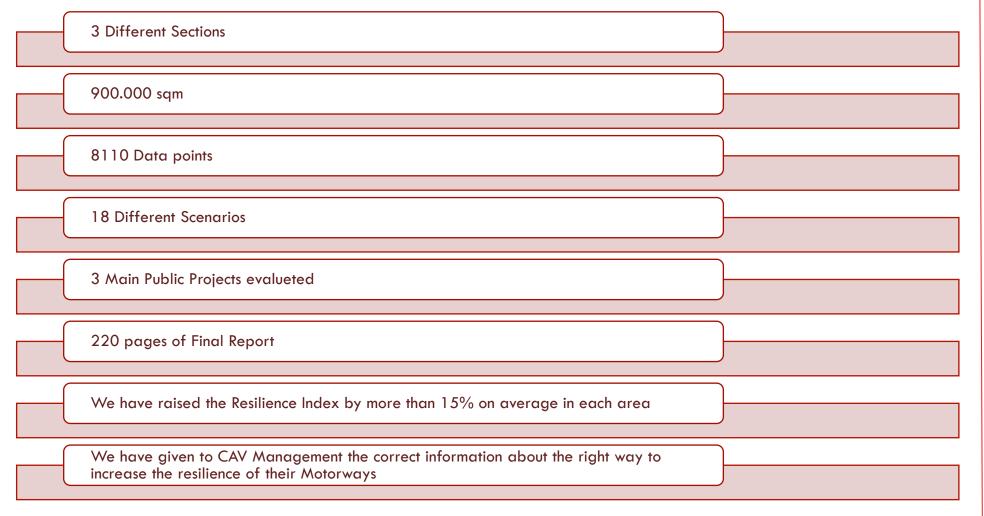








Summary of the Pilot Study













THANK YOU FOR YOU ATTENTION

VALERIO MOLINARI

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In collaboration with Miriam Olmeda Alarcon - Scientific Researcher at CCSC









