



Cultivating

our common future













WORKSHOP Rewriting the adaptation narrative

Thursday 19 October | 15:00 – 16:45 | Camera di Commercio, Modena



Agenda

- Welcome & introduction
- Adaptation CA projects and EU policy
- Challenge presentation Modena
- Co-creation & pitches
- Closing





Ways of working

- Pressure cooker style
- Every idea is a good idea
- You can disagree, but be considerate
- I will guide you and keep the time
- If anything is unclear, please ask

Have fun!





Objectives

- Up to date with CA projects & EU policy on adaptation
- Solutions identified for Modena's challenges
- Being inspired and energized!





Adaptation: Climate Alliance's work

PROJECTS













WORKING GROUP

The Working Group Adaptation is having a facelift!

Want to be part of it?
Give us your contact details
or write directly to
adaptation@climatealliance.org





EU adaptation strategy

Adopted in October 2021

European Union to become climate resilient by 2050

- Smarter, swifter and more systemic, and to step up international action
- Systemic:
 - Integrating into macro fiscal policy
 - Nature-based solutions for adaptation
 - Local adaptation action

Progress report expected October 2023.







A **platform** with a comprehensive database of European, national and regional adaptation planning.

- EU Policy & latest national news
- Tools
 - Adaptation support tool
 - Urban adaptation viewer
- European wide case studies





EU Nature restoration law

Adopted by EU parliament (July 2023)

Restoring ecosystems for people, nature and the climate

- Restore at least 20% of the EU's land and maritime areas by 2030
- No net loss of green urban spaces by 2030 and a minimum of 10% tree canopy cover in European cities by 2030
- Etc.

Currently in **trilogue** negotiations





Heat

Deadliest natural disasters by year excluding epidemics and famines

	2018	4,340	2018 Sulawesi earthquake and tsunami
	2019	1,593	Cyclone Idai
	2019	3,951+	2019 European heat waves
,	2020	6,511	2020 South Asian floods
	2021	2,248	2021 Haiti earthquake
	2022	24,501	2022 European heatwaves
	2023	59,259	2023 Turkey–Syria earthquakes

Source: wikipedia





Modena's presentation

Francesca Poli, Simona Rotteglia, Marina Malossi





REWRITING THE ADAPTATION NARRATIVE MODENA CHALLENGE

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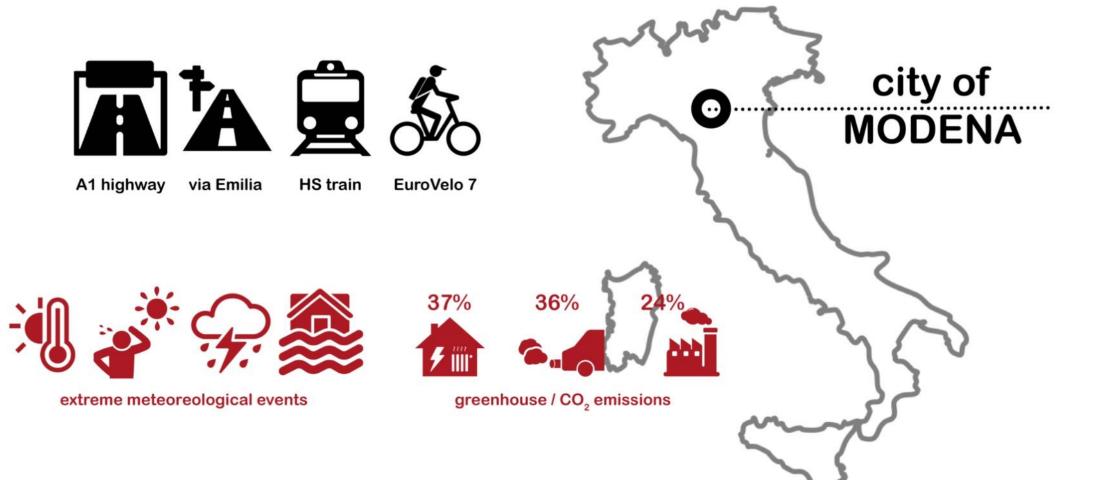






automotive industry / motor valley

food economy through intense farming and agriculture





FLOOD IN MAY 2023 / 300-400 mm of rain [= 300 It x 1 sqm] / in 1 week the amount of 6 months of rain



FLOOD IN MAY 2023 / 21 rivers flooded / 35 municipalities with flooding / 250 landslides / 9 confirmed deaths



HEAT WAVES SUMMER 2023 (25th August) / T max record: Bologna 39,2°C / Ferrara 38,8°C / Modena 37,8°C



HEAT WAVES SUMMER 2023 / 2003 +2,7°C / 2022 +2,2°C / 2023 +1,8°C compared to 1900

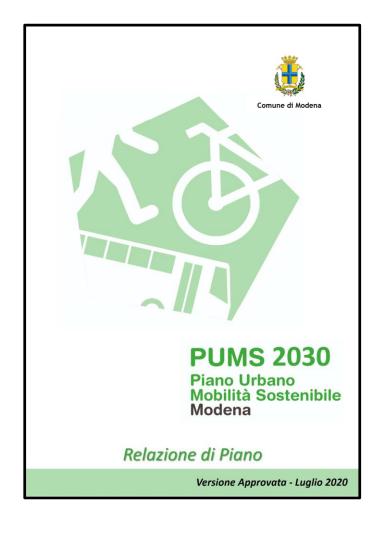
MODENA / challenges and ambitions



The city of Modena has been involved in climate change, energy and sustainability issues for many years through diverse **local actions** and participating to **numerous networks** and **international initiatives**.

Thanks to the commitments to the Covenant of Mayors first, and the Covenant of Mayors for Climate and Energy later, the City of Modena is setting its path to reduce carbon emissions and draft an adaptation plan to combat climate change.

MODENA / climate strategies







SECAP 2018-2030



TIMELINE

2009 baseline

2010 Covenant of Mayors

2011 SEAP approval

2018 SEAP monitoring

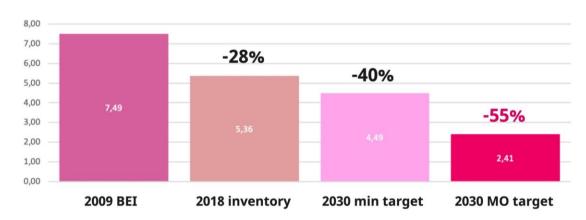
2019 Covenant of Mayors for Climate and Energy

2021 SECAP approval (4th February)

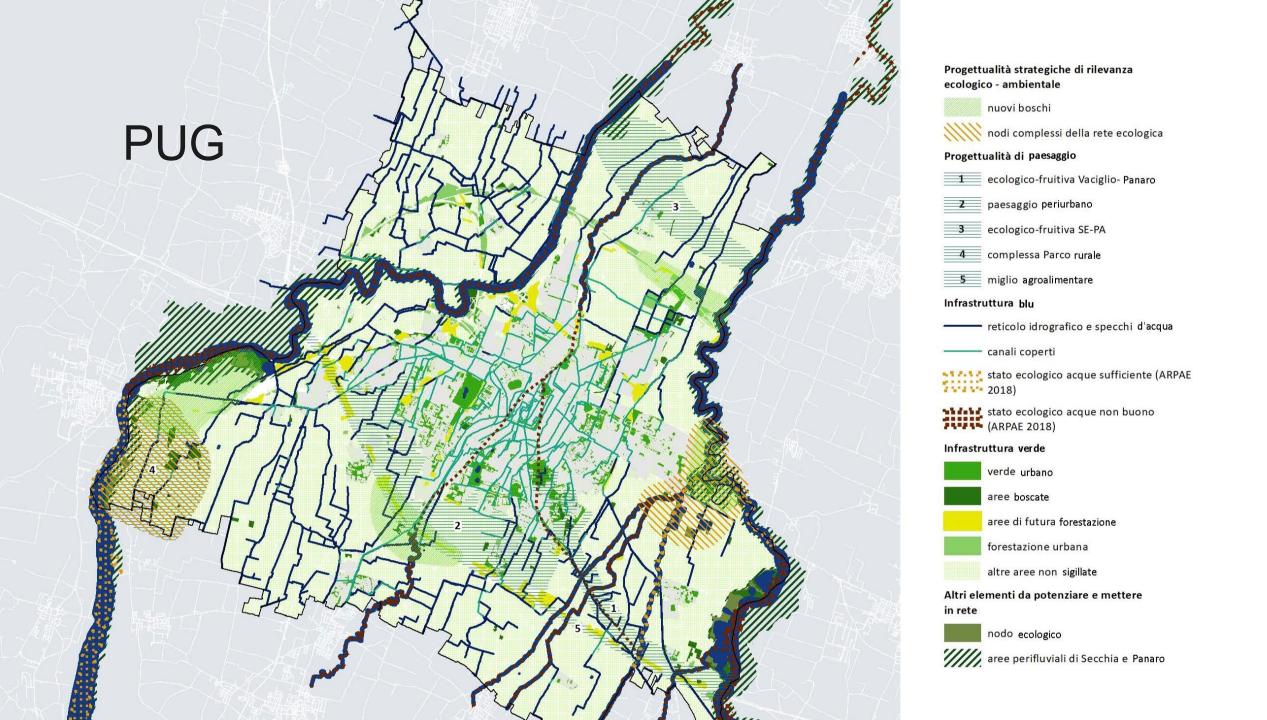


GOAL -55% BY 2030

191.081 inhabitans - 680.921 tCO2 - 3,75 tC02/inh



«Sustainable mobility and green&blue infrastructure for a smart, healthy and inclusive city by 2030»



CASE STUDIES





VILLAGGIO ARTIGIANO / case study



The Artisan Village is a **manufacturing district** located in the first outskirts the city that was **built during the postwar period of World War II** from an audacious political intuition.

It was the first **model of industrial site** in Italy: an area that sits **in-between the city and the countryside**, and that ties together **life and work**, know-how and industry, production chain and local community.



VILLAGGIO ARTIGIANO / facts and figures



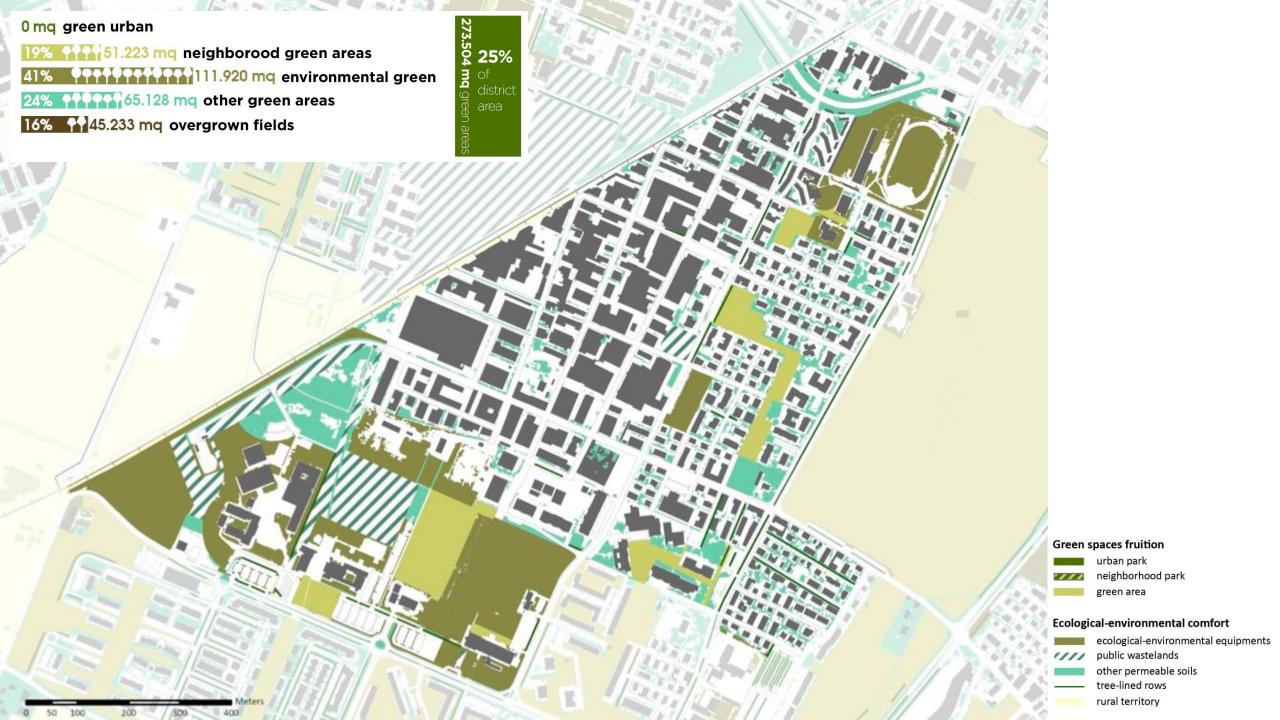
4.408 tot population 395 children 0-18 941 elderly over 65



110,07 ha tot surface 52% public spaces / 48% private surfaces 25% green areas = 273.504 mq 25-50% unsealed areas 05 IQ quite poor soil quality index



36°C max air temperature in summer (*) 53°C max surface temperature in summer (*)



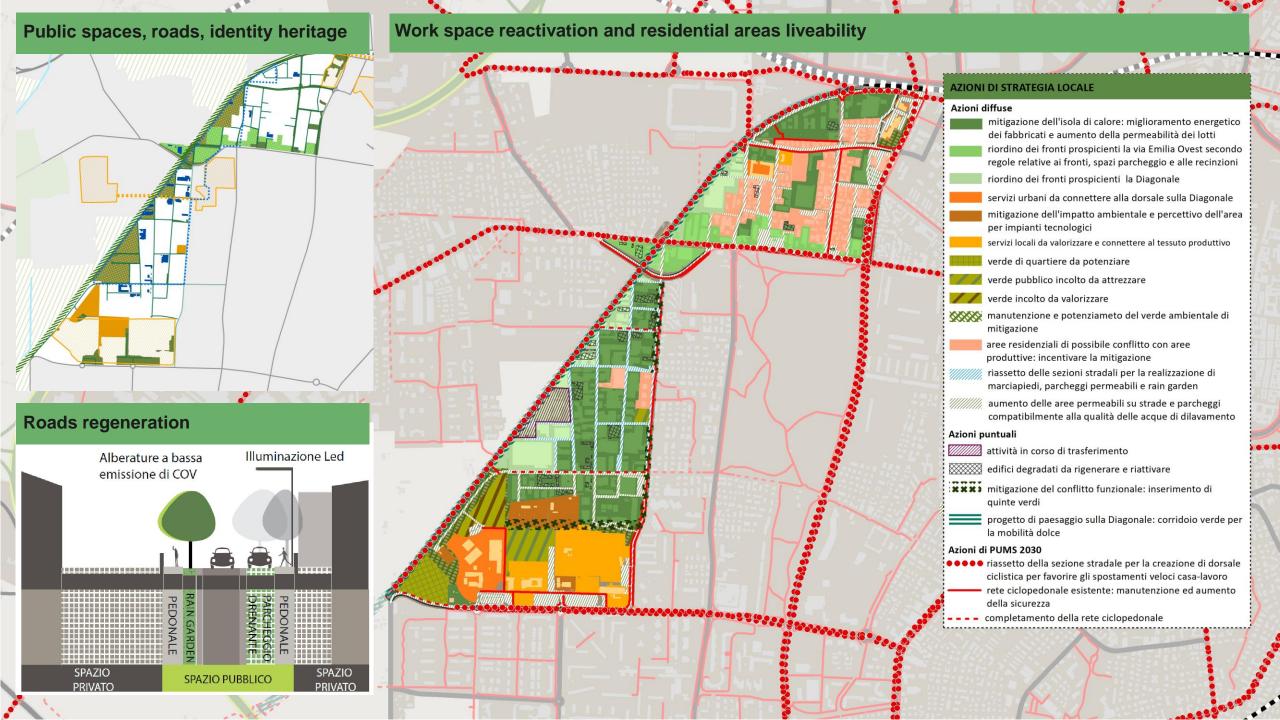








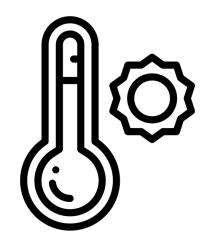




VILLAGGIO ARTIGIANO / focus challenge

How can we deal better with extreme heat?





SAN LAZZARO / case study



San Lazzaro is a **huge mixed-use district**, just adjacent to the city centre.

The first residential settlements dates in the 30s, the neighborhood intensely developed from 50s onward, and now it has a varied social structure, but really active and cohesive.

Thanks to its position and the public dotations that contains it's a really **strategic area**.



SAN LAZZARO / facts and figures



14.968 tot population

1.861 children 0-18

3.479 elderly over 65



232,39 ha tot surface

55% public spaces / 45% private surfaces

30% green areas = 701.139 mq

 \simeq 30% unsealed areas

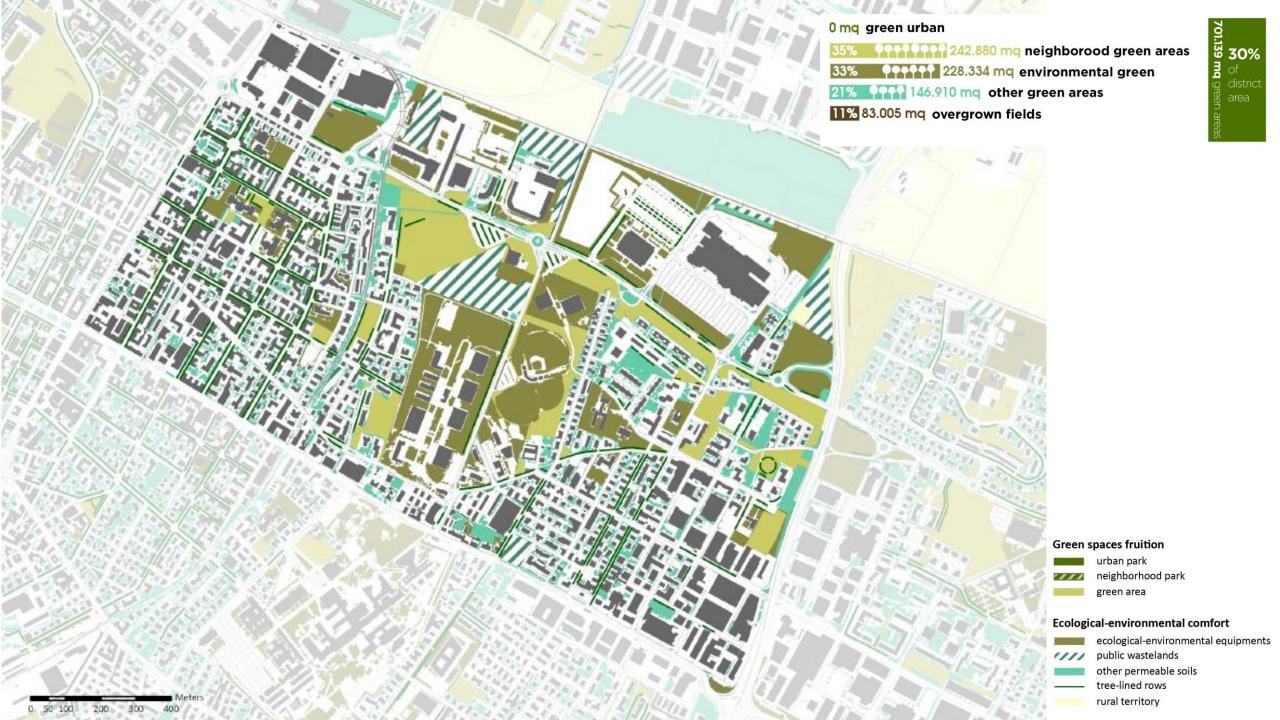
04 IQ quite poor soil quality index



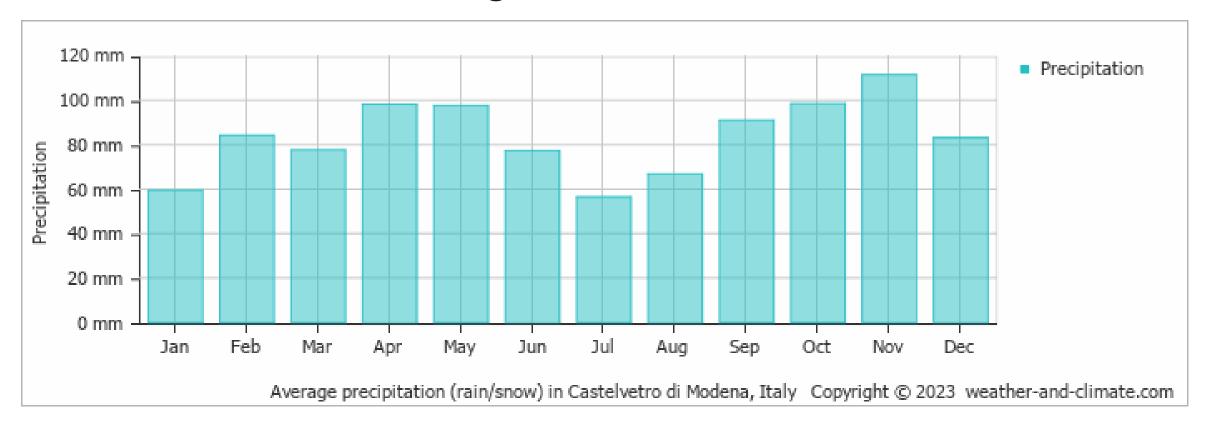
39°C max air temperature in summer (*)

56°C max surface temperature in summer (*)

Medium-high local flood risks (high cricital level basin in the east area)



MODENA / Average rainfall









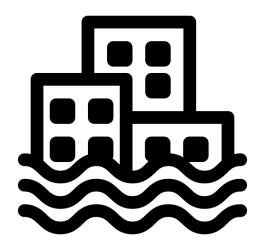




SAN LAZZARO / focus challenge



How can we deal better with heavy rain (+ 200 mm) in San Lazzaro?





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Co-creation exercise

How can Villagio Artigiano deal better with heat?

How can San Lazzaro deal better with heavy rainfall?

Groups will identify **concrete solutions** from three perspectives:

- Citizens & city representatives (10 min)
- Flora and fauna (10 min)
- Entrepreneurs and investors (10 min)

What **win-wins** can you identify? What **frictions** could arise? (10 min)

Result

Prepare a pitch Max 2 minutes

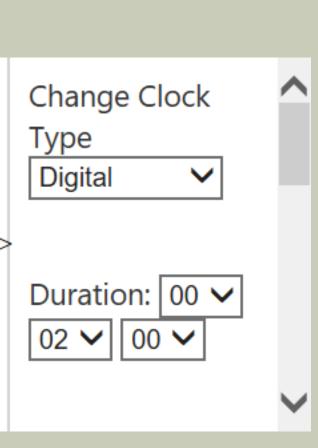


Pitch

Can you share what you came up with?

Max 2 min.

00:02:00





Thank you!

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