

EWRC webinar

Climate Neutral & Circular Food Production

European food

- Safe, nutritious and of high quality
- Global standard for sustainability
- Challenge to feed a fast-growing world population and steer food systems
- Current production practices and consumption patterns still result in pollution, loss of biodiversity and climate change

Some of the EU-facts

- Agriculture is responsible for 10% of GHG emissions
- Important part of this is because of the foodchain
- About 20% of food produced is being wasted
- 20% of adults are obese and 50% are overweight

our dream

A better world for
the NEXT generation





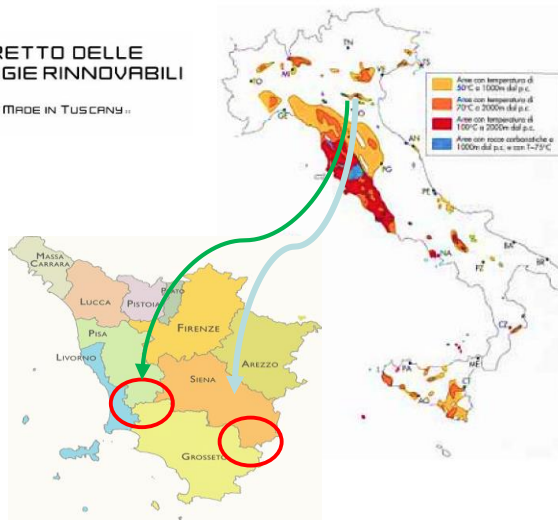
Dr. Loredana Torsello

CoSviG – Consortium for Development of Geothermal Areas

- Executive manager and responsible for technology transfer, international projects
- Cluster manager DTE-Toscana– Regional Technological District for Energy and Green Economy.



CoSviG: Consortium of Geothermal Areas



CoSviG supports local development in geothermal areas, owned by

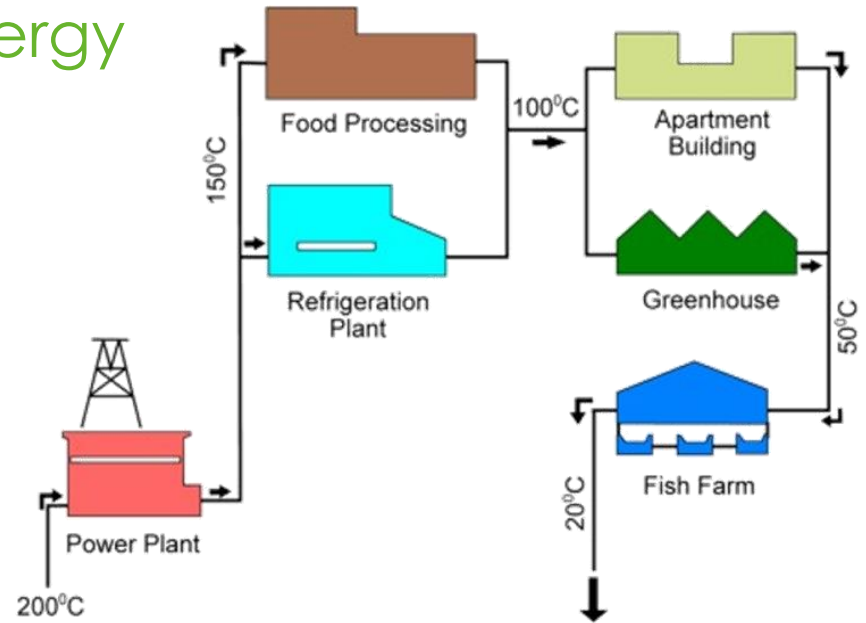
- 14 Municipalities
- 2 provinces
- 4 consortium of municipalities
- Tuscany Region



CoSviG, in close collaboration with Regional Government and Municipalities, has promoted the creation of development paths involving all economic and social actors in the territories.



Direct use of geothermal energy



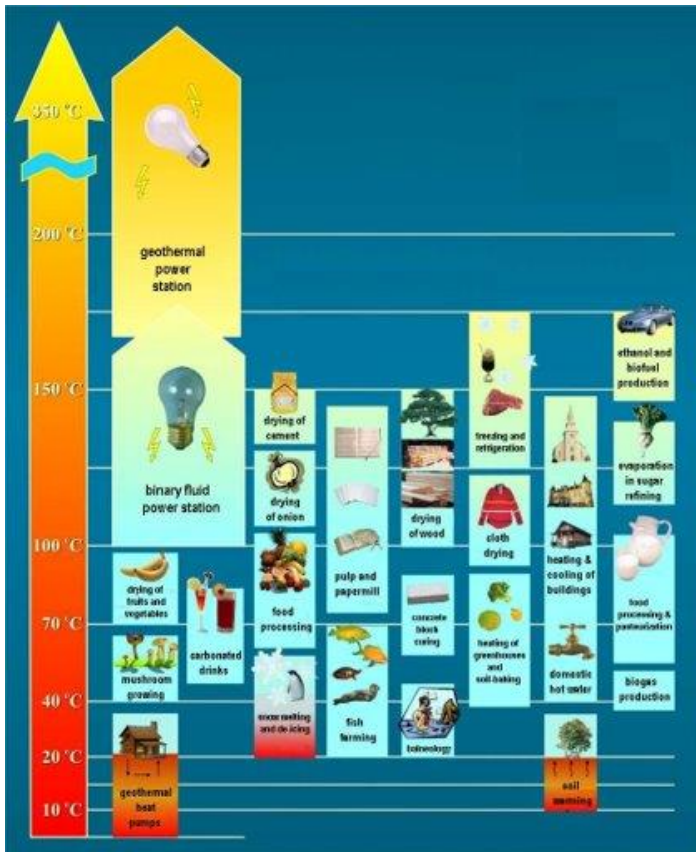
Environmental and energy advantages

- Reduced pollution and CO2 emissions
- Reduced fossil fuel consumption
- Safe and durable energy source

Economic advantages

- Local value chain
- Jobs
- Reduced costs for energy

Technological innovation for tailored solutions





A Social Cooperative, called "Parvus Flos" "little flower" exploiting the existing structural potential and the cost-effectiveness deriving from geothermal power, natural steam wells that with their 100 degrees allow us to heat the greenhouses in a clean way, significantly reducing management costs

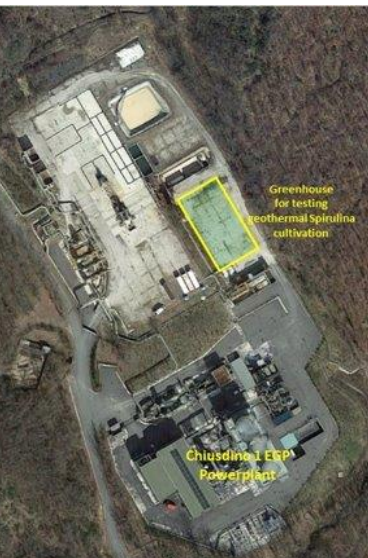


Experimental cultivation of Spirulina in a geothermal environment



Spirulina (*Arthrospira platensis* microalgae rich in iron and proteins, its market is constantly growing)

Experimental project to demonstration of a new opportunity offered by geothermal energy. The knowledge to be acquired is available to those who want to invest in commercial production.





Thank you for your
attention.

