

Embarking the Whole Territory on the Path of Sustainability

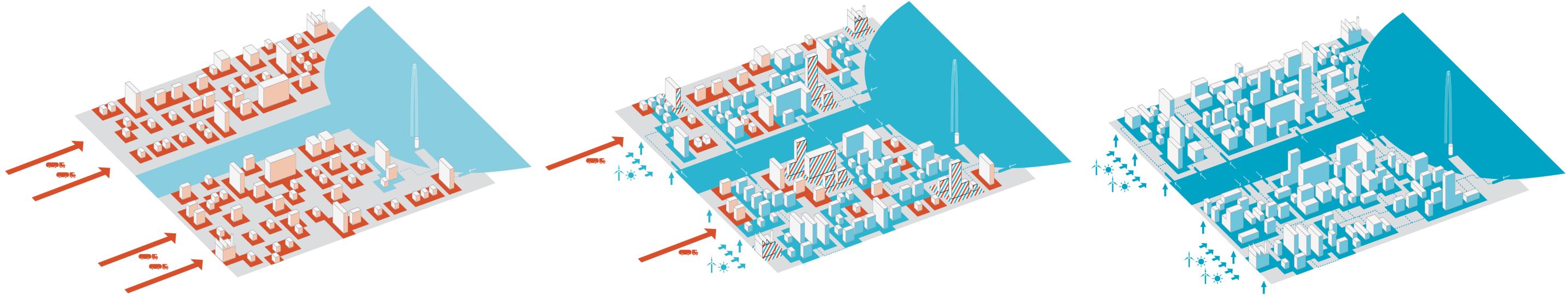
Rather than ecobuilding or ecoarea, think **ecoterritory**. In terms of energy, this means developing local resources and recognising territorial interdependence. This is the objective of the Canton of Geneva for the coming years. Embodied in a pioneer Energy Act, the **Territorial Energy Concept** (TEC) is now part of any new spatial planning project

This territorial planning approach is innovating because of its **three dimensions**:

- Spatial dimension: extension of the project areas to reach overall optimum effects in terms of energy, but also from an economic and social point of view
- Temporal dimension: reflexion on the capacity for a project to evolve in time depending on the available renewable energy resources and the energy demand
- Relational dimension: development of a concerted strategy among the different participants on the territory, including spatial planners and energy experts

ECTP
CEU TOWN
PLANNING
COMPETITION

Spatial planning in support of energy transition



2000

Legacy of the fossil society

- Individual mobility → oil encourages urban sprawl, the city is erected around its major roads
- Individual heating → oil boilers allow to overcome geographical constraints, thus spreading urban sprawl

2035

Energy transition

- Local resources are used over extended areas
- Network infrastructures are developed
- Fossil energies have a role to play as supplementing energy

2050

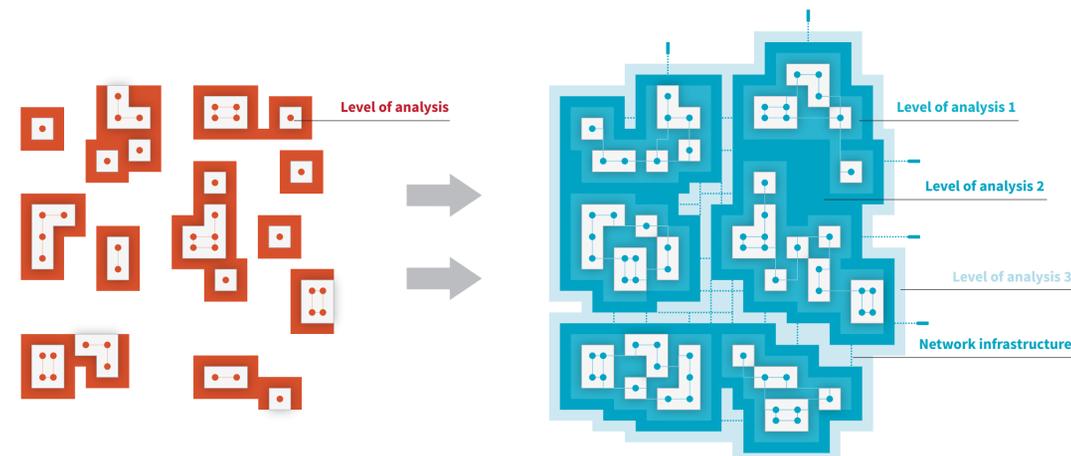
A sustainable society

- A city organised around its resources
- A mastered, sustainable energy consumption
- Interconnected territories

From the building to the Ecoterritory

Fossil energies → individual and private logic → building-based reflection only (e.g. heating)

Transition to renewable energies → reflection at different territorial levels



Spatial planners and energy experts - a concerted strategy

Target

To develop joint strategies and coordinate energy and spatial planning among participants from different professions and industries:

- To develop a shared vocabulary and joint tools in order to integrate energy within the territory
- To assert energy as a structuring component of spatial planning
- To integrate energy experts into the steering committees of the big urban planning projects

