

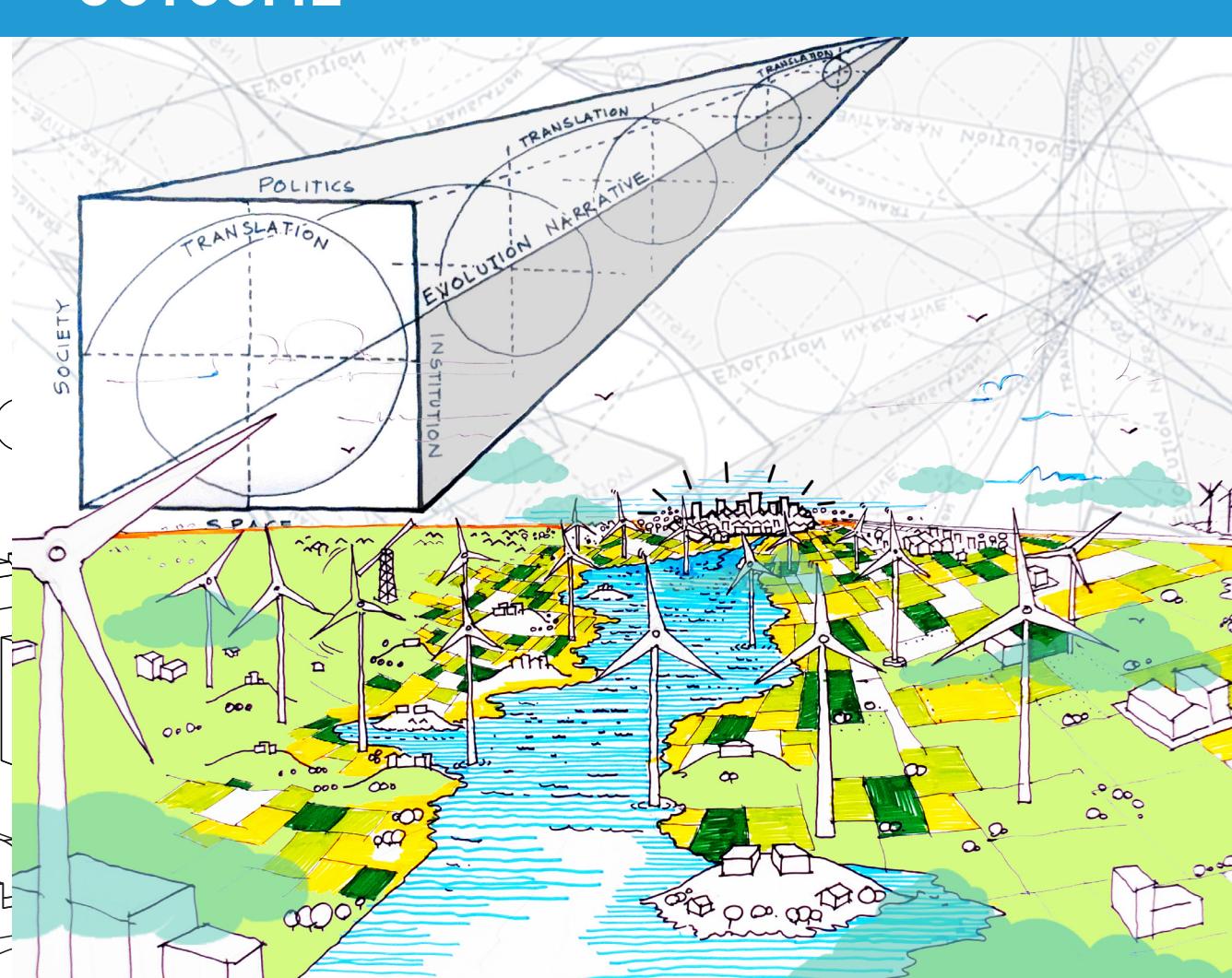
# TRANSFORMING THE ENERGY TRANSITION

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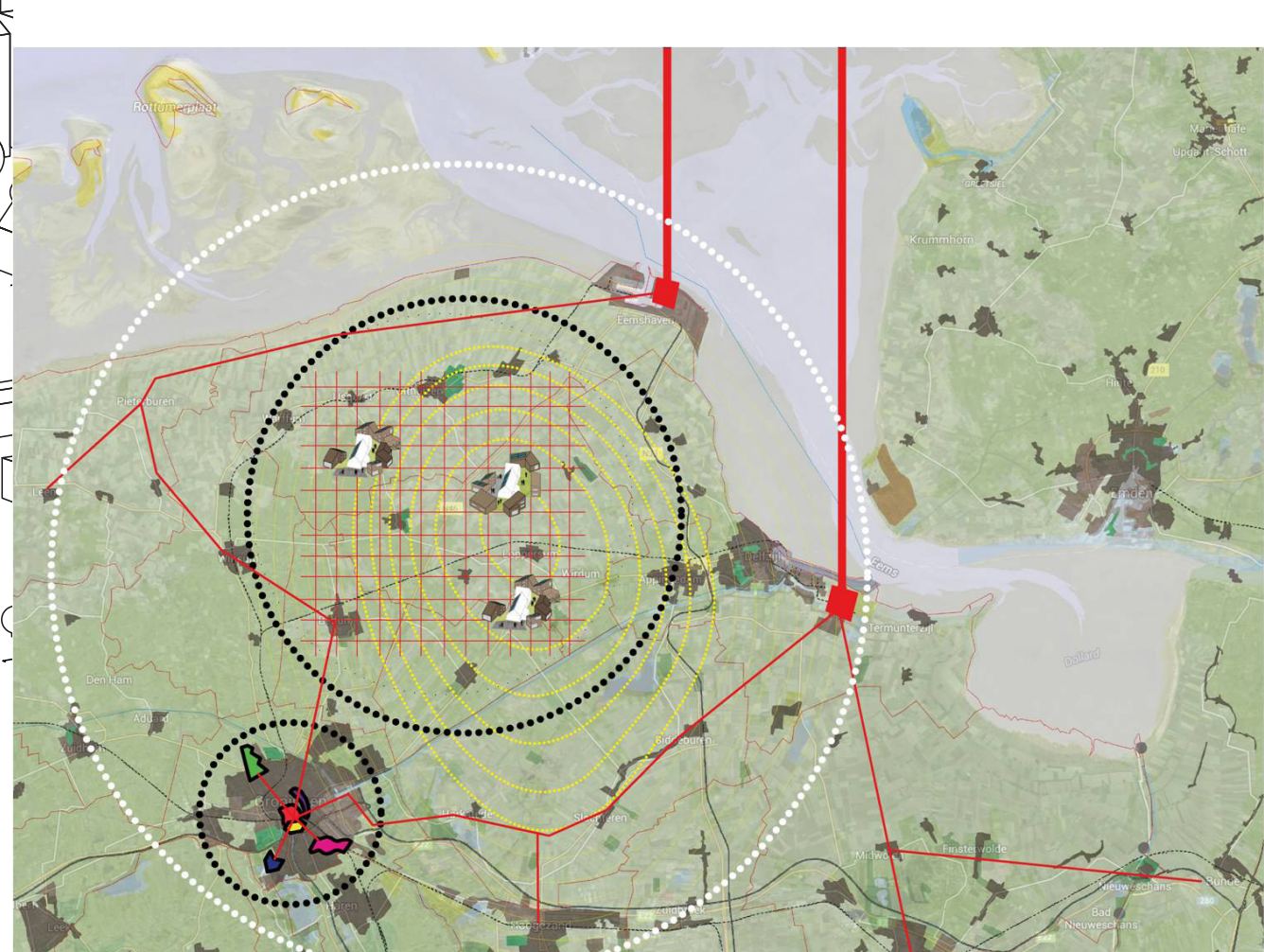
## PREPARATION PROCESS



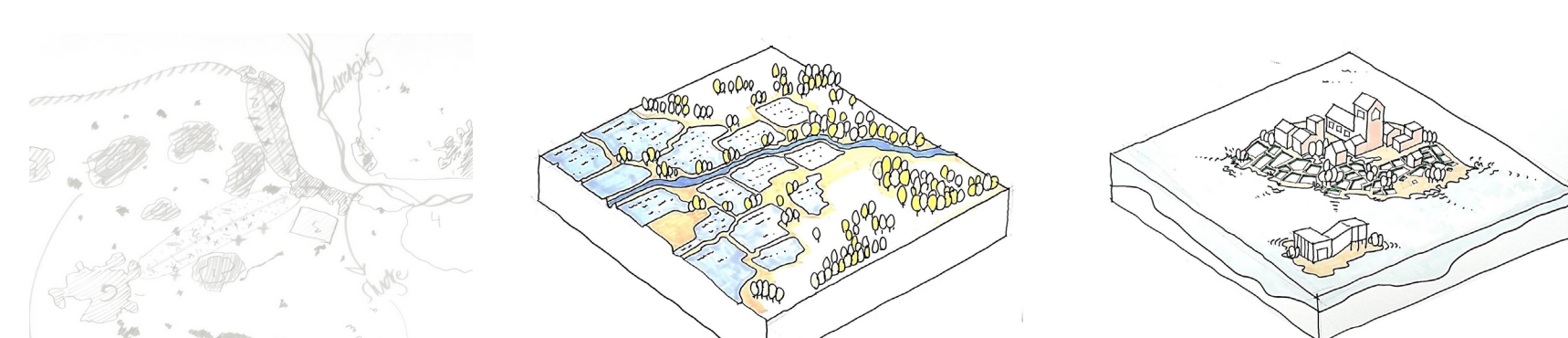
## OUTCOME



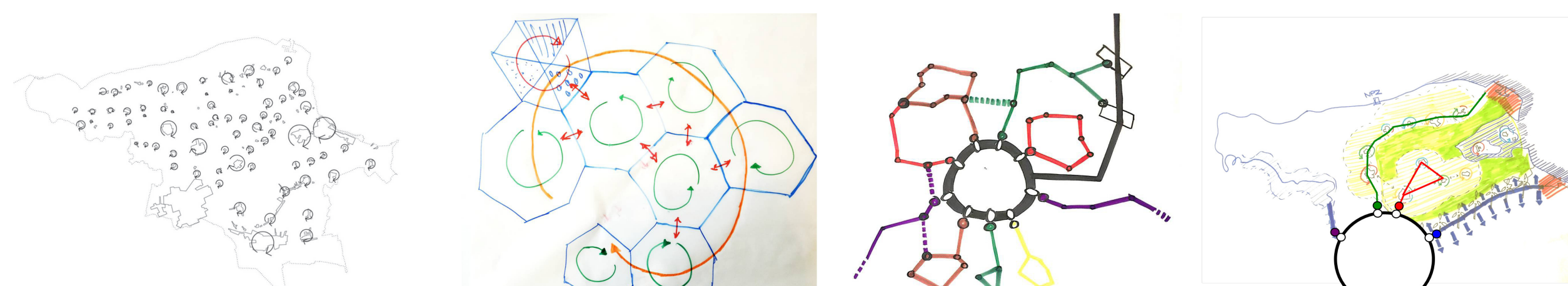
- THE ENERGY TRANSITION NEEDS A PLACE
- MANY PLACES NEED THE ENERGY TRANSITION
- MORE WASTE A GOOD CRISIS
- DESIGN AS POLITICS-POLITICS AS DESIGN
- LET'S REINVENT PLANNING-TRANSLATING POLITICAL GOAL, SOCIETAL DREAMS + SPATIAL REALITIES INTO AN EVOLVING NARRATIVE OF LANDSCAPE + SOCIETY



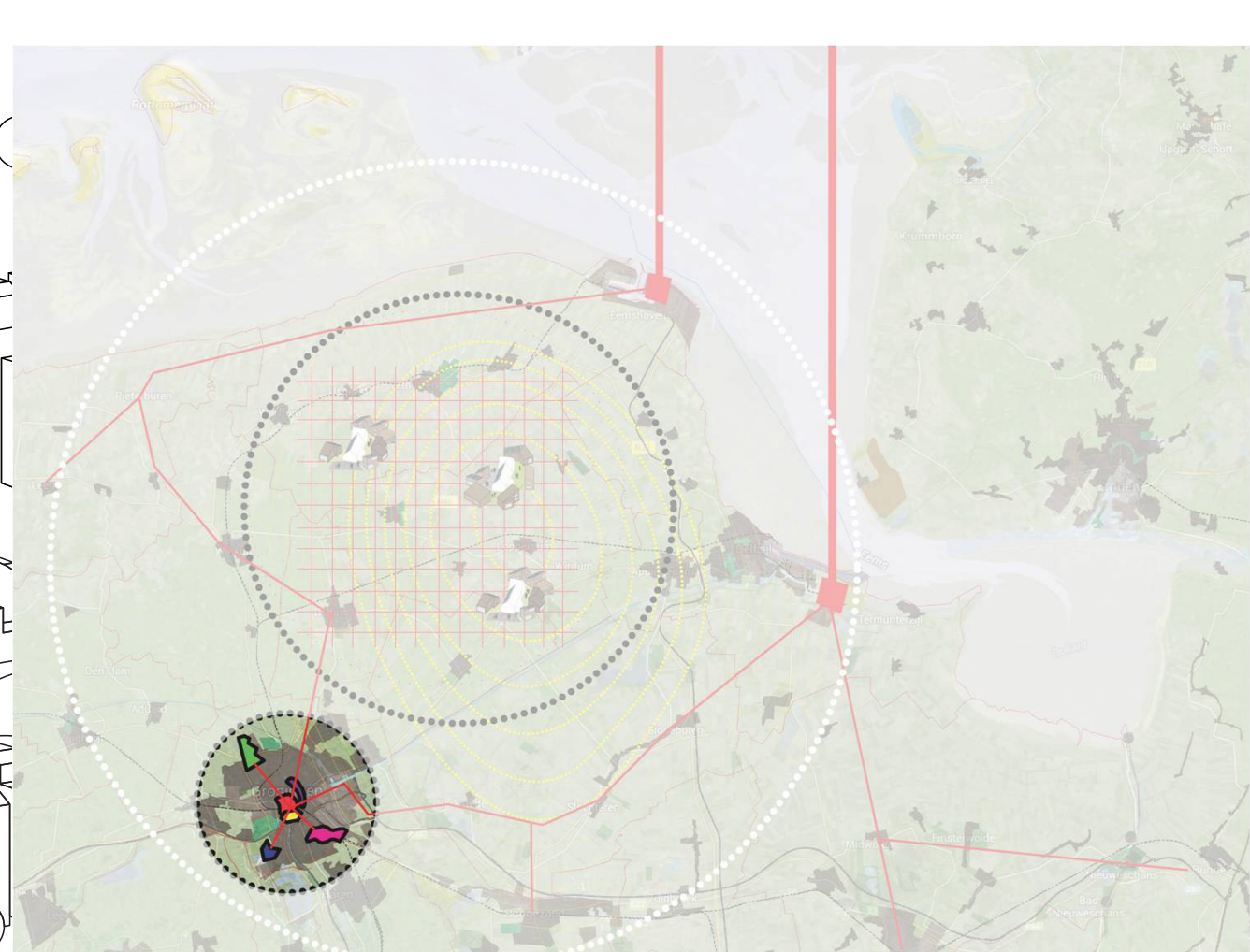
### THE SMOOTH OPERATOR



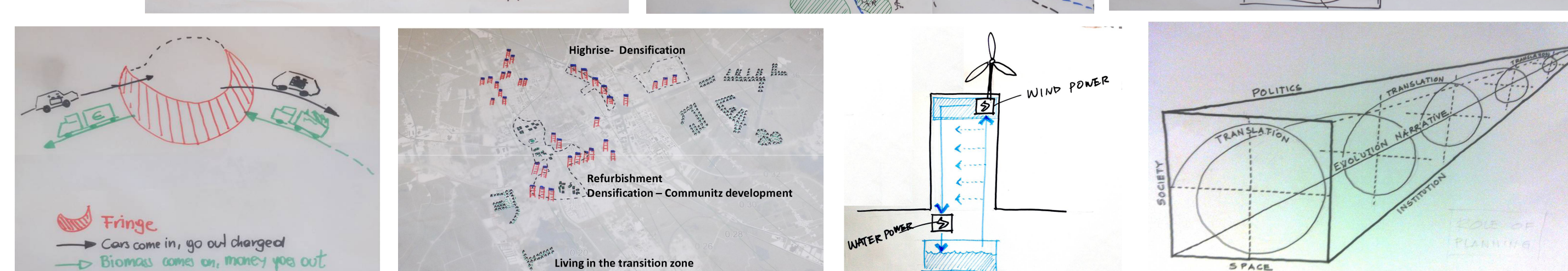
### FLIPPING THE ENERGY SYSTEM (COLLECTIVE SELF-SUFFICIENCY)



### ENERGIZED POLYCENTRALITY



### TRANSFORMOON



### Urban energy landscapes



### Energy city batteries



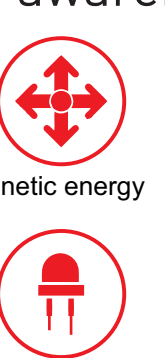
### Infrastructure energy



### Consumer energy



### Raising awareness



## SUMMARY

Listed as one of Europe's most liveable cities, Groningen is surrounded by a contrasting region. Economic stagnation and population decline accompany urgent challenges due to gas-induced earthquakes. In this charged societal context, the Groningen region aims for energy neutrality. It is a move polarizing society, with people fearing the future.

We transformed the vast spatial challenges of the energy transition into a promising perspective for city and region. A future where the region transforms from an earthquake wrecked society into one using its unique environment of wind, water, agriculture and strong sense of community to be a proud island of energy innovation. The city benefits, but

also provides. Strengthening its compact qualities towards an energy efficient urban fabric, while using its urban fringes for producing biogas, heat and solar energy. Groningen as the niche of innovation of how spatial transformations can surf on the waves of the energy transition.

## FUTURE

