



Shenzhen - NL

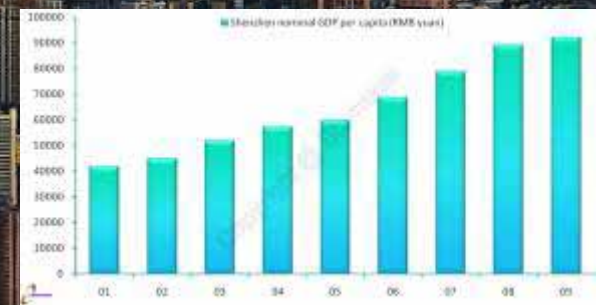


fishing village

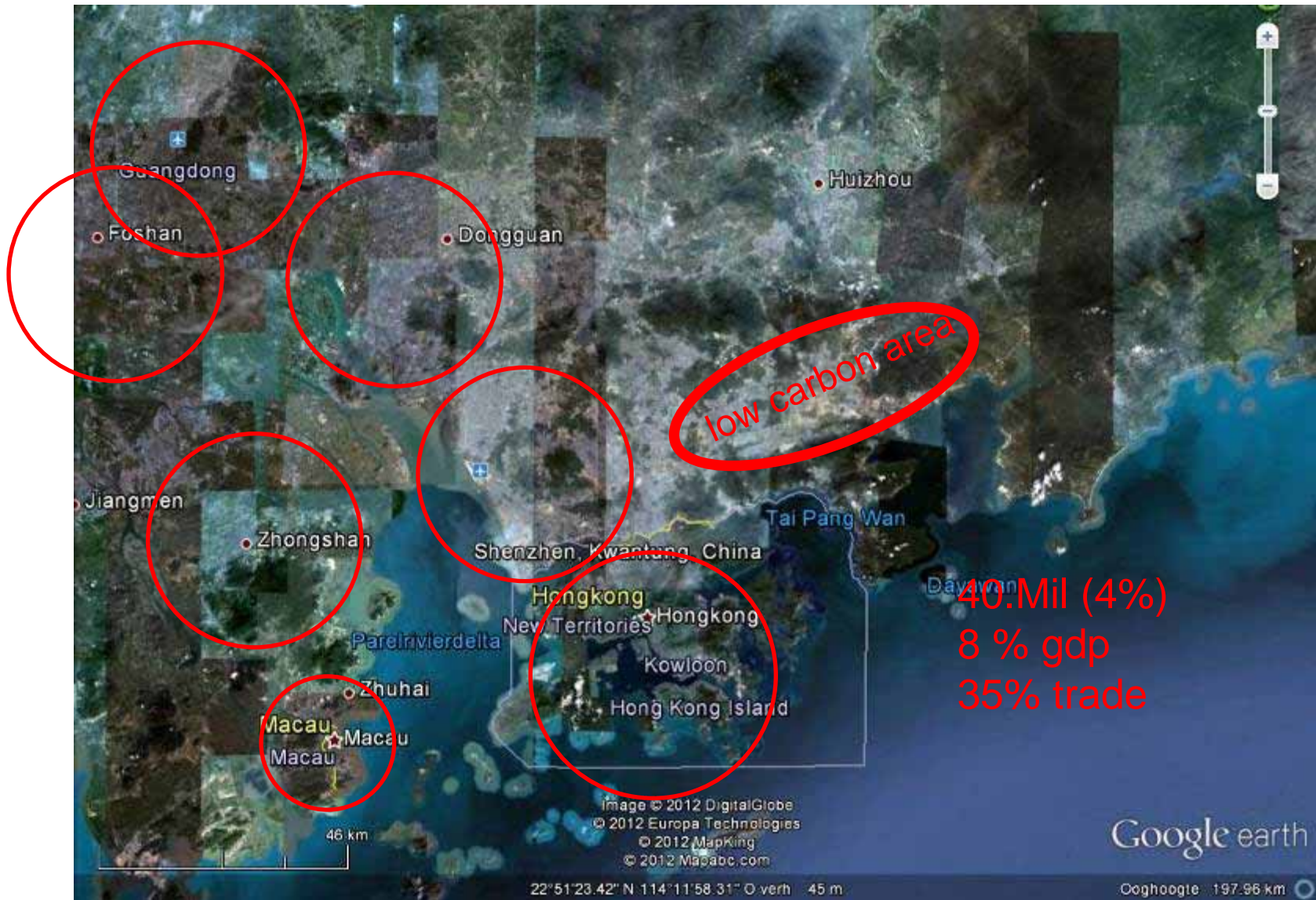
smart
city



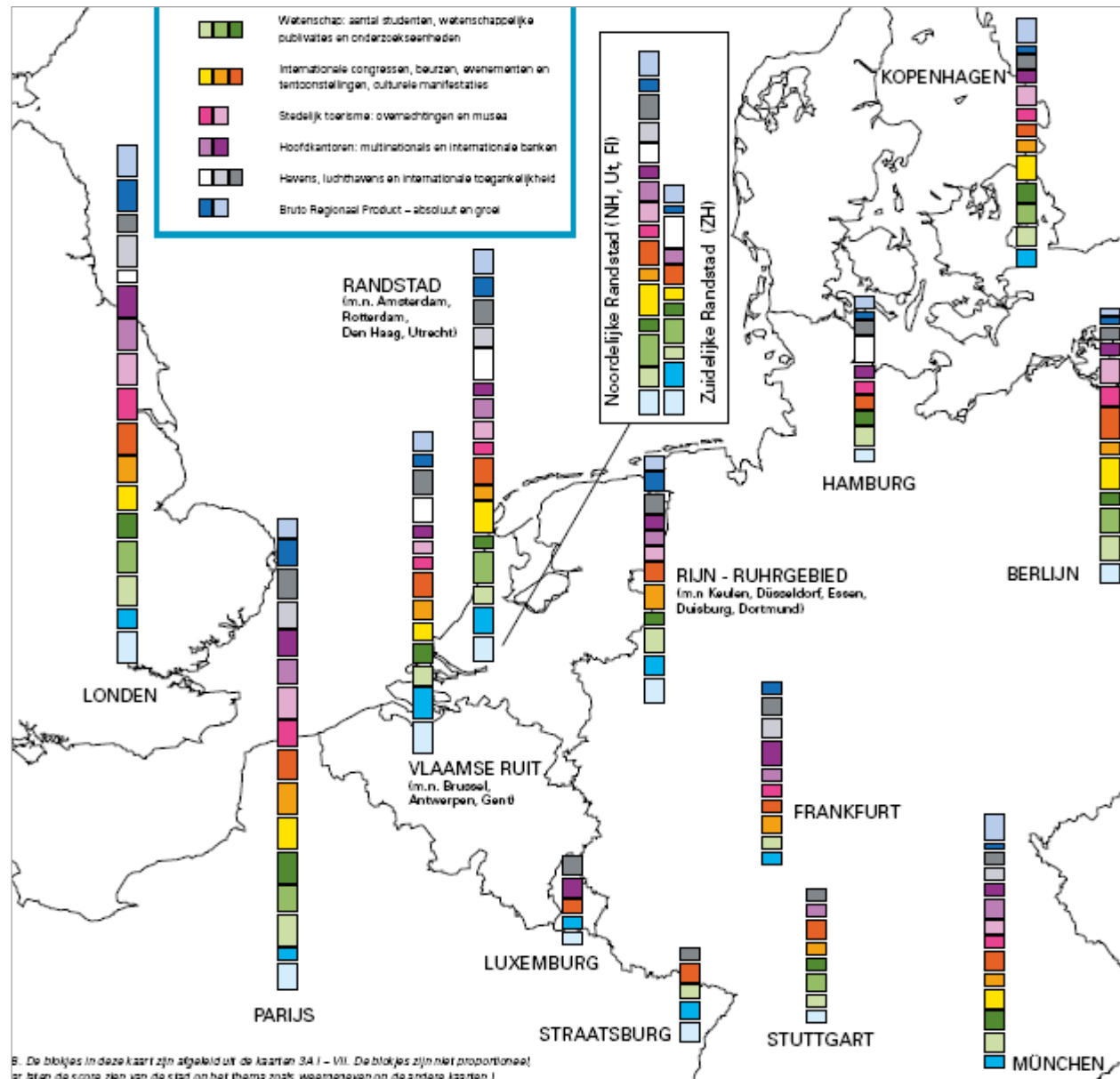
2010



Pearl river delta



Randstad Area NL: comparable with London and Paris



From tudelft ->

smart
city



2012国际低碳城专家研讨会
International Low Carbon City Review Meeting

2012.6.18-19

国际低碳城的总体规划与建设 Master Plan & Construction



From tudelft -> government 2 government

smart
city



2012国际低碳城专家研讨会
International Low Carbon City Review Meeting

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国际低碳城的总体规划与建设 Master Plan & Construction



From tudelft -> government 2 government + experts

smart
city



2012国际低碳城专家研讨会
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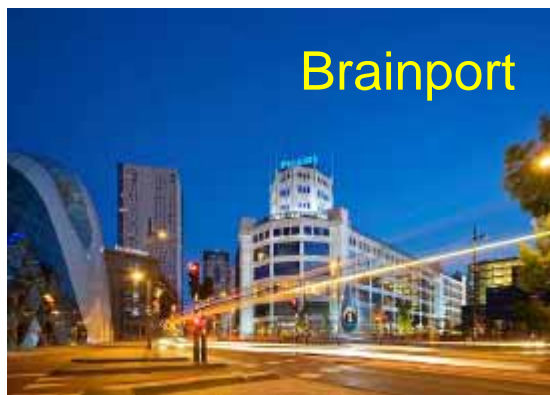
2012.6.18-19

国际低碳城的总体规划与建设 Master Plan & Construction



>technology, planning processes, quality of live

smart
city





• Low Carbon City Pingdi

- Extreme lowering CO2 emissions:
-30% 2015, -90% 2020
- Growth of GDP (double)
- Shift to low carbon knowledge econ
- Shift to green industries
- 'Reach new international standards'



- Workshops

- Planning
- Technologies
- Diplomacy

- Visits NL

- Weekly contact

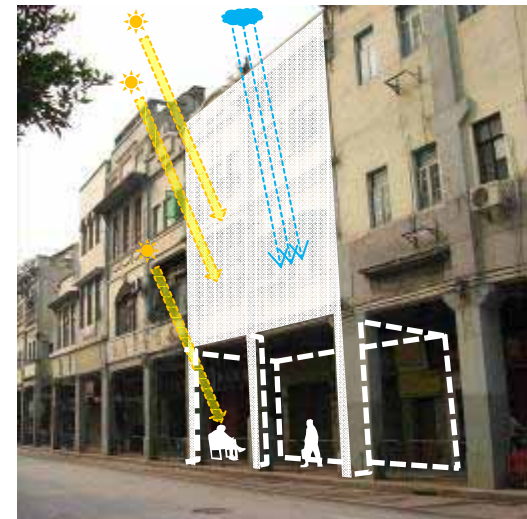
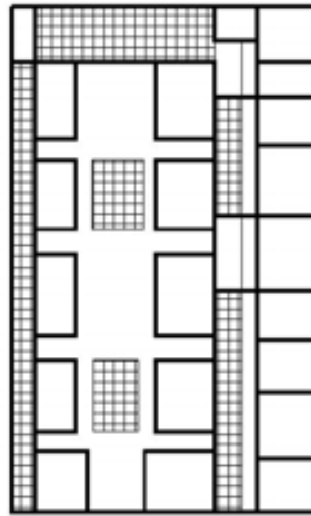
- Consulate
- Private contacts



- L.C. Urban planning
- Energy/resources strategy
- Waste to energy
- Green building
- Water management
- Brainport development
- Carbon monitoring
- Soc&econ factors
- B2B matchmaking
- City marketing

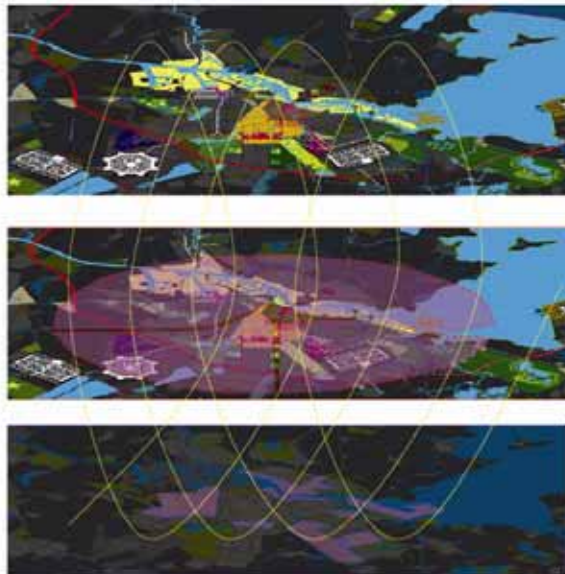
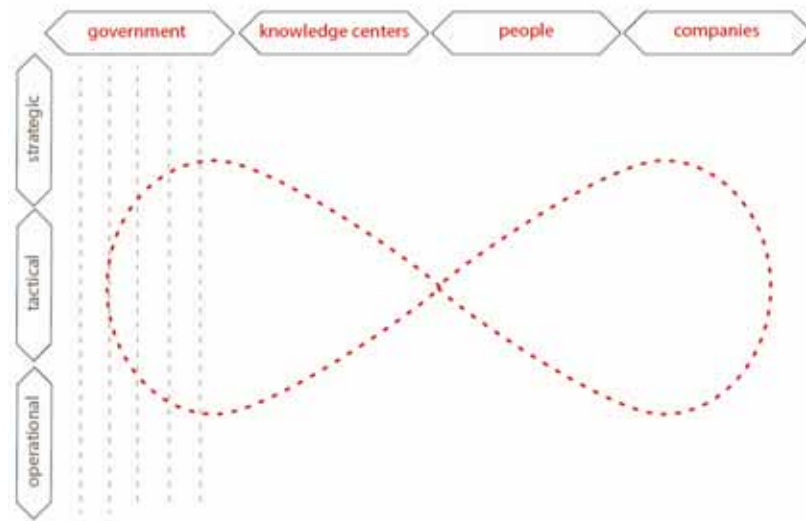
first scope program

smart
city

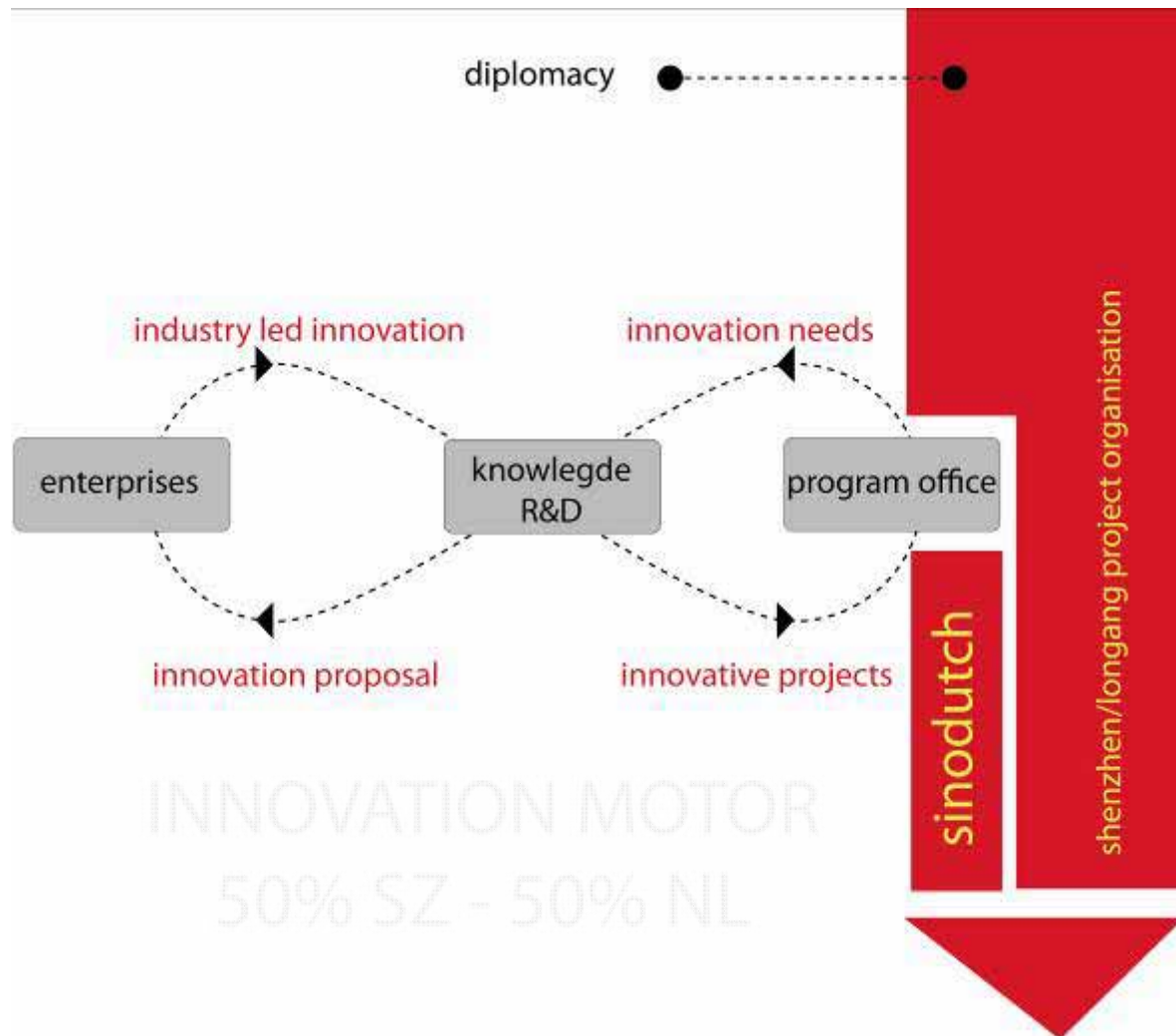


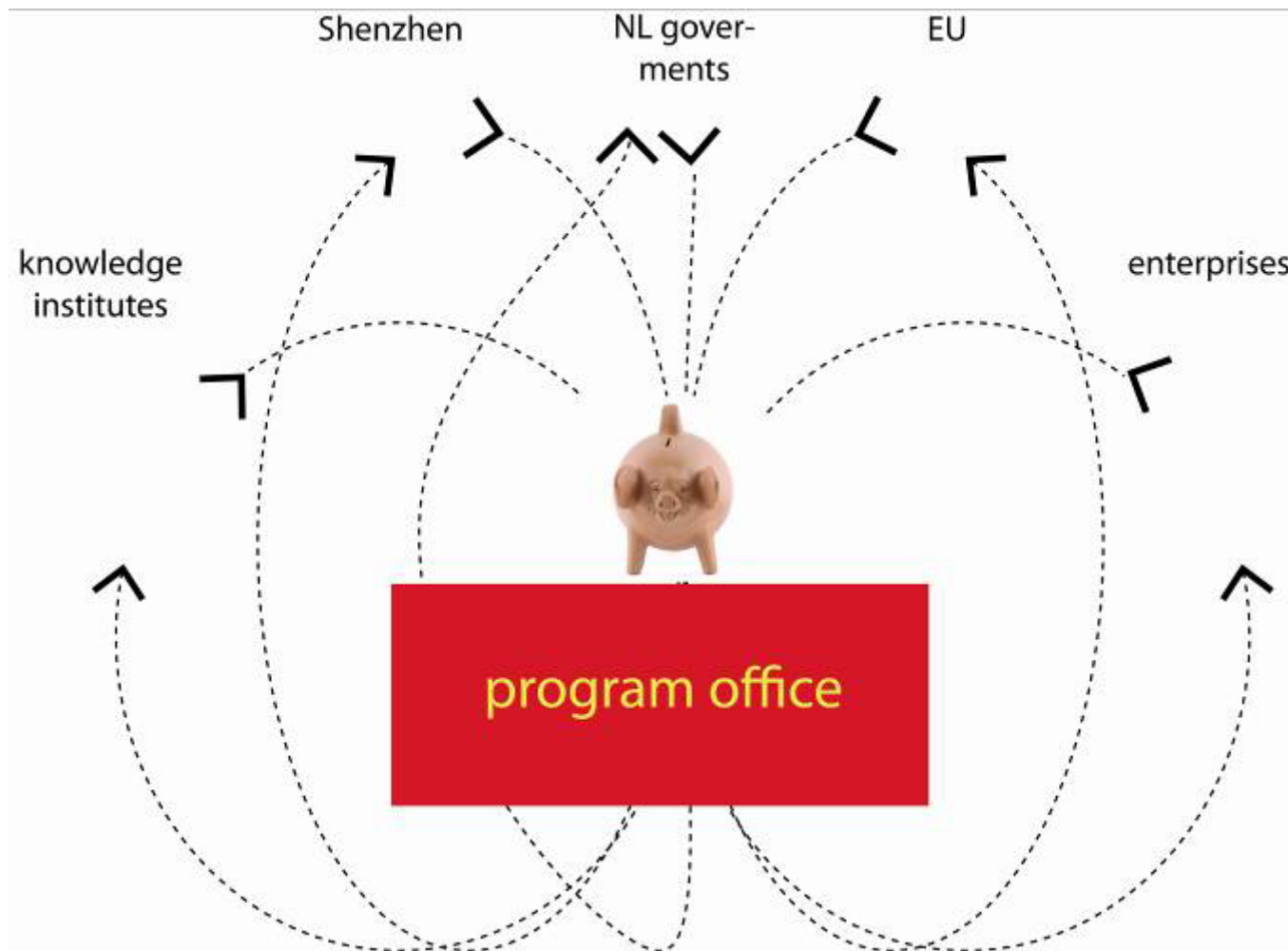


- innovationmotor : speed & size + high ambition (tech+process)
- economical: understand business making in CH
- ethical: decreasing footprint



- Integrative approach
- Planning tradition
- Stakeholder management
- Open financial system, very suitable for open energy systems





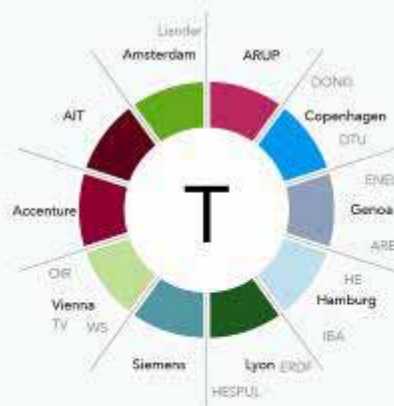
- workshop proposal -> cocreation -> deeping the program
 - setting up long term organisation (NL)
 - activation of enterprises (frontrunners)
-
- Deliver shortterm actionplans
 - Long term commitment (program)

Now: advisory board TRANSFORM (fp 7, 8.8.1)

works with...

TRANSFORM gathers frontrunner cities, energy and grid companies and leading commercial and knowledge partners in the field of energy and urban planning, financial models, stakeholder processes and analytics.

Amsterdam, Copenhagen, Genoa, Hamburg, Vienna and the Grand Lyon metropolitan area bring together different expertise on planning, city administration, and climate and energy policies. These cities bring together both ambitious politicians and experts. Energy and grid companies DONG Energy, ERDF, ENEL, A.R.E. and Hamburg Energie bring in their competencies and state of the art in smart grids (thermal and electricity), renewables, business models and modeling. The Energy and Grid companies bring in their respective networks and possibility to generate impact through their presence in other European cities. The Dutch grid company Liander works together with the City of Amsterdam in the local Amsterdam Smart Urban Lab. Commercial partners ARUP, HESPUL, Accenture and Siemens join forces with their knowledge of planning, energy systems analytics and quantitative data modeling and qualitative models and Key Performance Indicators. TRANSFORM combines the knowledge of institutes like AIT, DTU, OIR in the field of energy, planning and modeling.



works at...

● Copenhagen Nordhavn: Redevelopment of a port area towards a CO₂ neutral, mixed-use lively new neighborhood for living and working. Nordhavn will be a lab for new solutions in energy and building construction. Focus areas: integration of smart energy grids, geothermal energy production and low energy buildings.

● Hamburg IBA Wilhelmsburg: Transformation of an industrial zone into a mixed-use urban area, combining housing, industry, port, water, green and open space. Focus areas: stakeholder process, 100% renewable energy by 2025, heating and cooling.

● Amsterdam Zuidpoort: Transformation of a mixed-use area (300ha), incl. Ajax stadium, offices, leisure and shopping, a city hospital, large datacenters and an energy plant. Focus areas: transforming energy grids (thermal and electric) into smart grids, energy efficiency, waste and new mobility concepts.

● Lyon Part Dieu: Transformation of a 1960 central district into a mixed-use area. Large building program, including offices and residential and commercial areas. Focus areas: heating and cooling and renovation schemes.

● Genoa Mela Verde: This port area will be transformed in a new urban area. Mela Verde is part of a comprehensive CO₂ reduction strategy and a Technology Masterplan. Focus areas: stakeholder process, solar PV, e-mobility and new technology for buildings.

● Vienna Seestadt and Liesing: Seestadt is a greenfield & brownfield development, incl. 20.000 apts., 20.000 work places; new public transport, social & smart technical infrastructure. Liesing is a transformation area, including residential, industrial and service functions.



- good contracting / programming
- accurate value case development
- diplomatic anchoring
- start small, scale fast

- complexity
 - cultural
 - way of working
 - language
- distance
 - physical distance
 - time
- untransparancy
 - organisational patterns
 - responsibility unclear

A top-down view of a white ceramic bowl filled with a bowl of Vietnamese pho. The dish features thick, white rice noodles submerged in a clear, light-colored broth. Several slices of dark brown, cooked beef are visible, along with fresh green herbs and small, light-colored garnishes. A pair of wooden chopsticks rests on the right side of the bowl. The background is a plain, light-colored surface.

Thank you

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