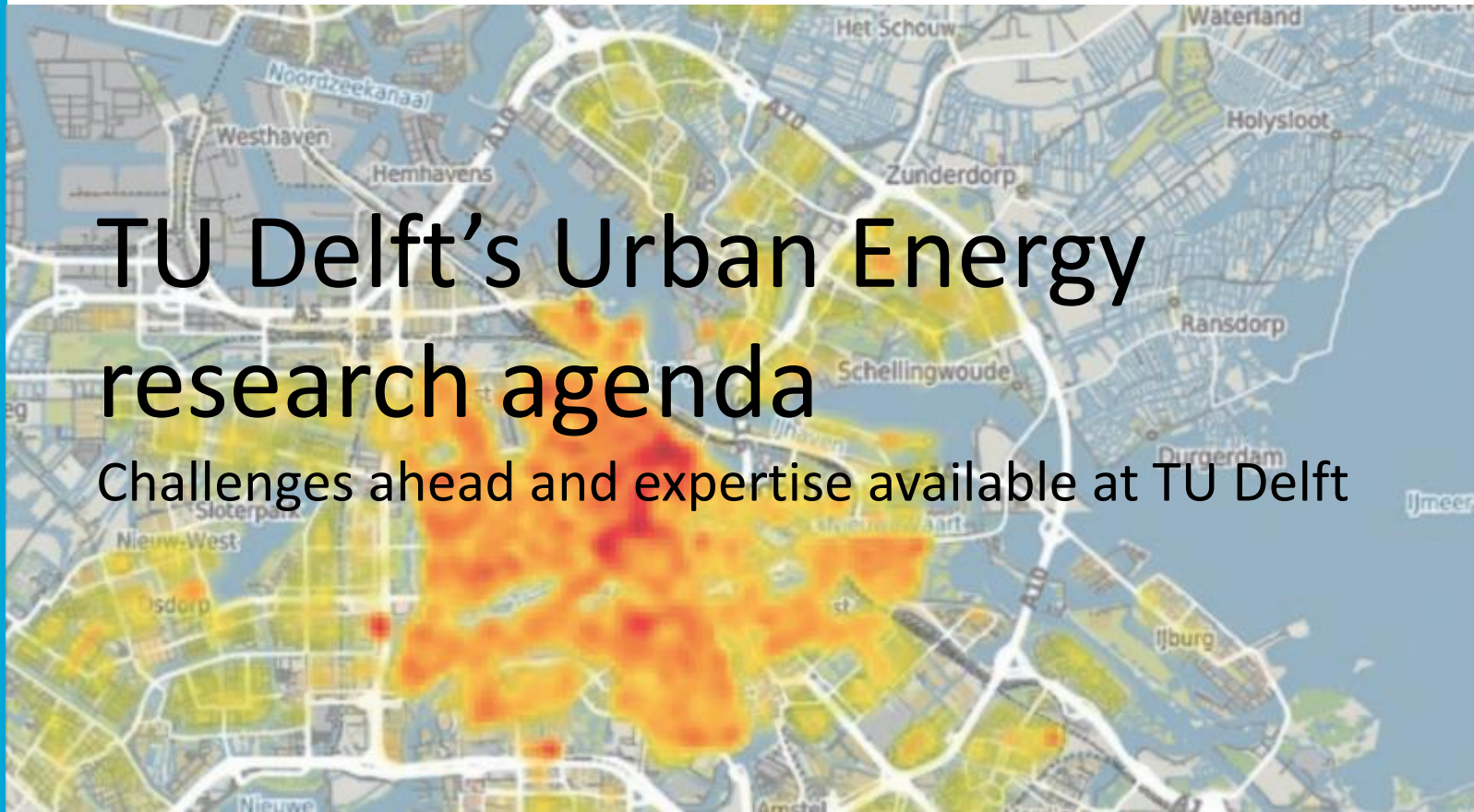


Towards a carbon-free urban energy system in 2050



TU Delft's Urban Energy research agenda

Challenges ahead and expertise available at TU Delft

Andy van den Dobbelsteen

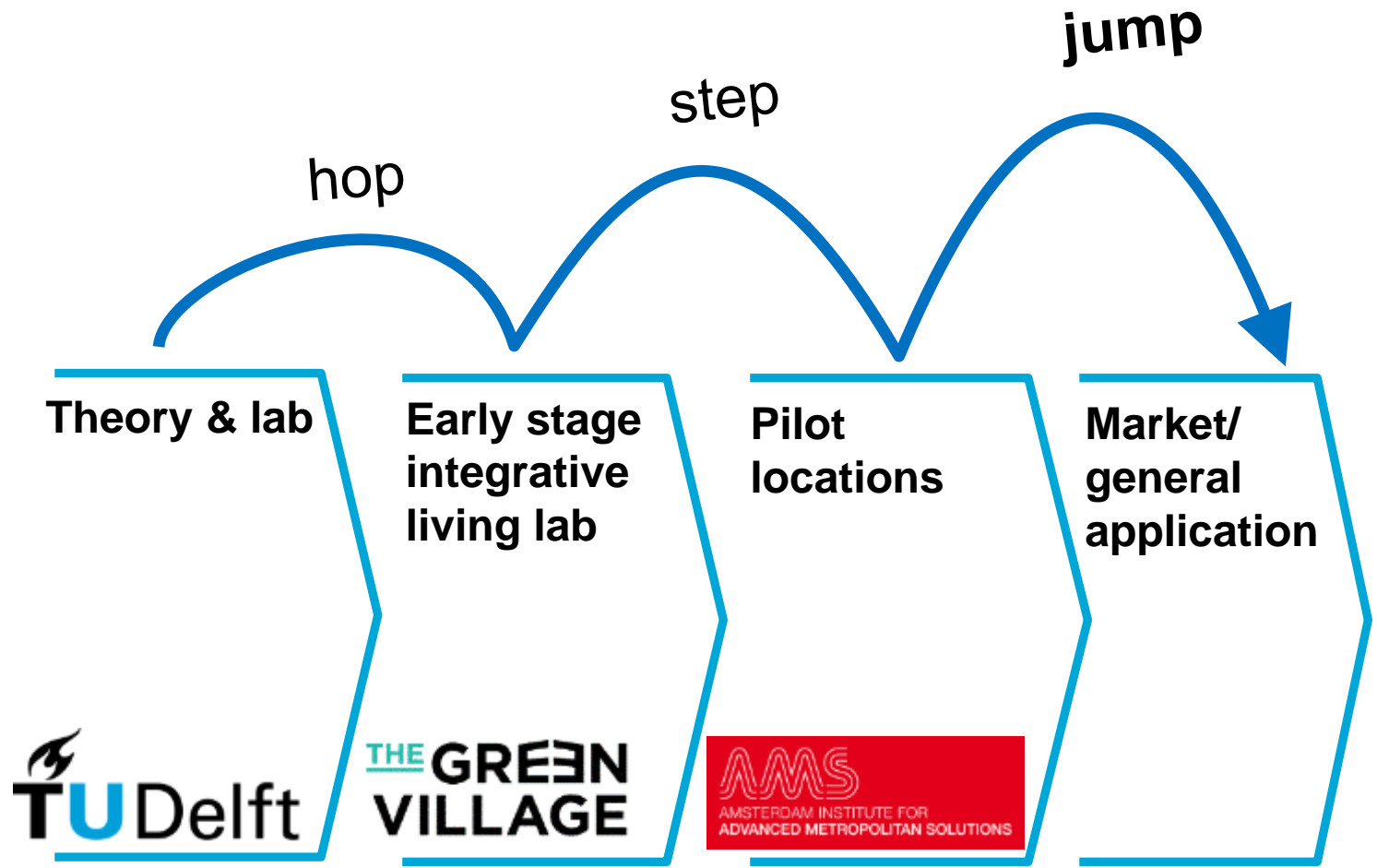
(mede namens Kornelis Blok en UE-collega's)

Symposium Urban Energy Innovation, 30 mei 2018

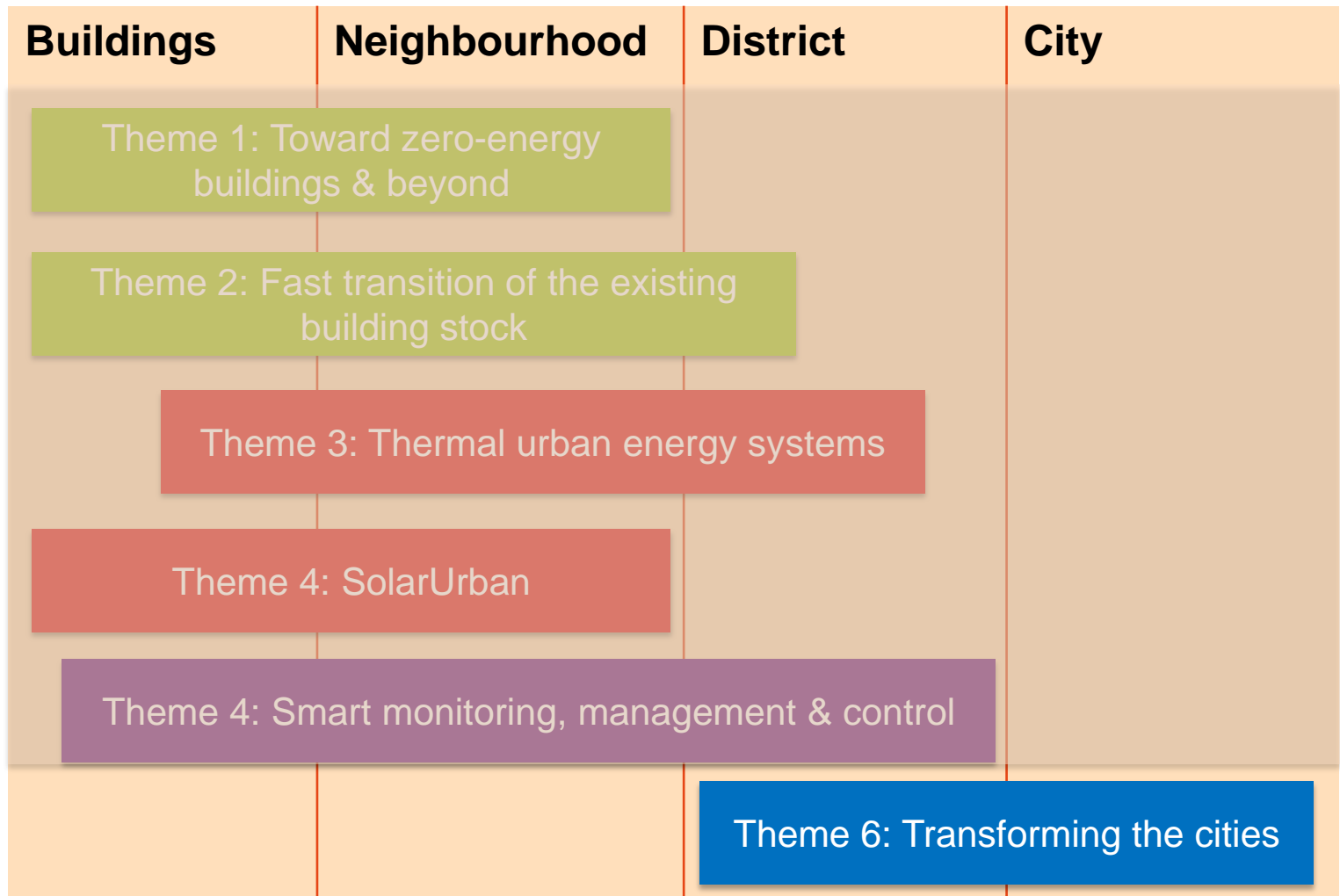
Challenge: Delivering a carbon-free urban energy system in the Netherlands in 2050

- Dutch government objective: 49% reduction in greenhouse gas emissions by 2030
- By 2020: all new buildings 'nearly' zero-energy
- Up to 2021: 30,000-50,000 existing homes 'gas-free'; by 2030: no more use of Groningen gas
- After 2021: market is ready to make 200,000 houses per year sustainable.
- **We want to support this transition!**

Our scope: Bringing knowledge to broad application

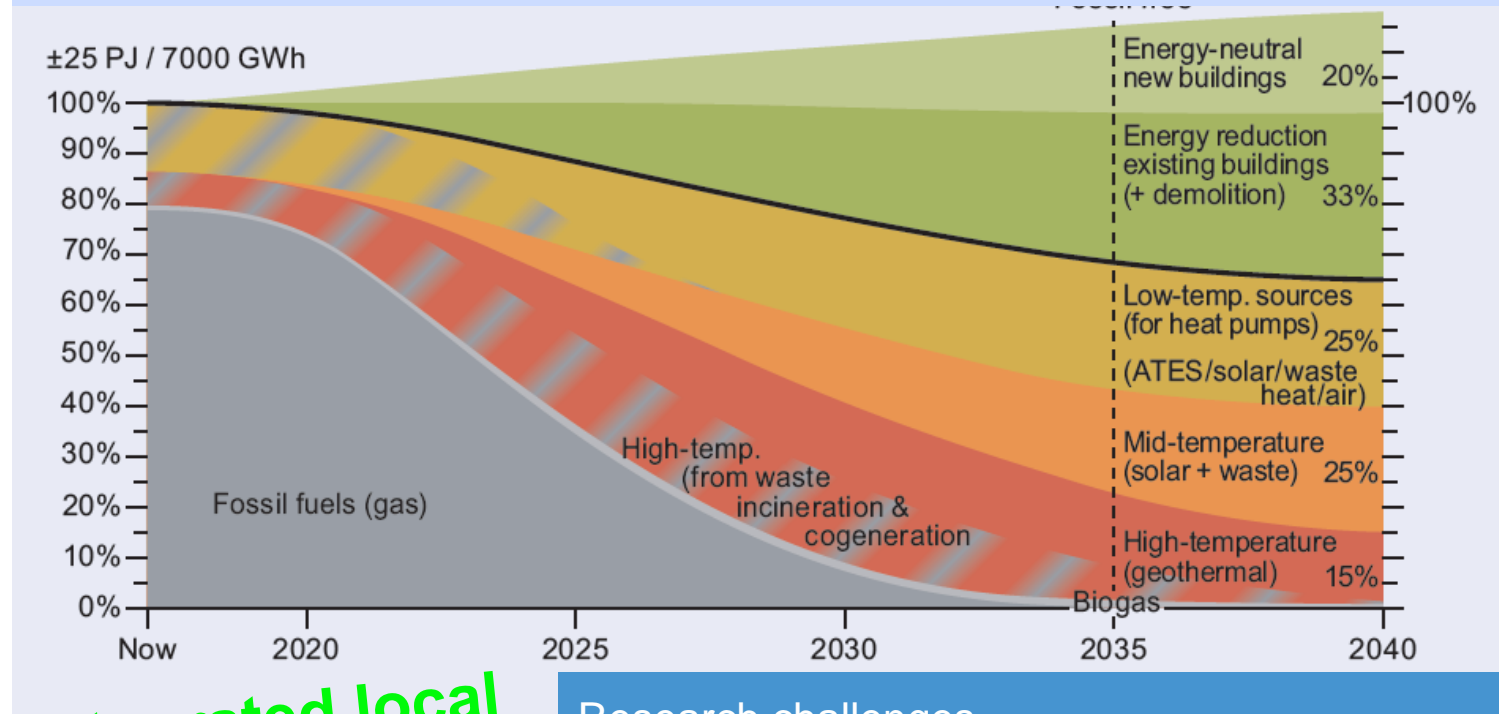


Six entwined themes.....



Theme 6: Transforming the cities

Energy Transition Roadmaps



Robust, integrated local energy transition plans

Research challenges

- Approaches, methods and tools for the energy transition of cities
- Development of new governance models
- Interactive co-creative workshops to set energy visions and action agendas

En nu: de gemeente Delft

Stephan Brandligt, wethouder

- **Wat zijn de huidige plannen?**
(is er een masterplan?)
- **Wat zijn de lastige wijken om aan te pakken?**
(en wat zouden oplossingen daarvoor zijn?)
- **Welke niet-technische obstakels en oplossingen zijn er?**
- **Hoe kan de TU Delft de gemeente helpen in de energietransitie?**
- **Wat zullen we afspreken over de samenwerking en acties hierin?**

Dank u voor uw bijdrage!

