

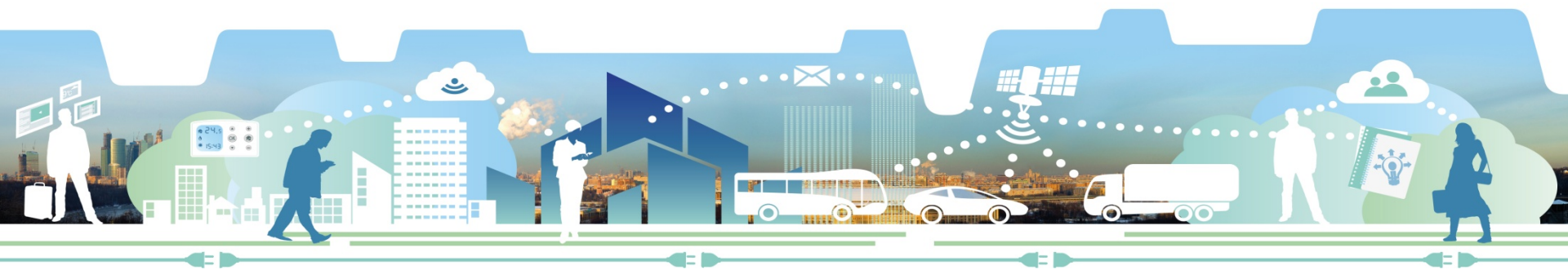
SP5



AVs & Parking

Workshop
STAD Spring meeting 2018

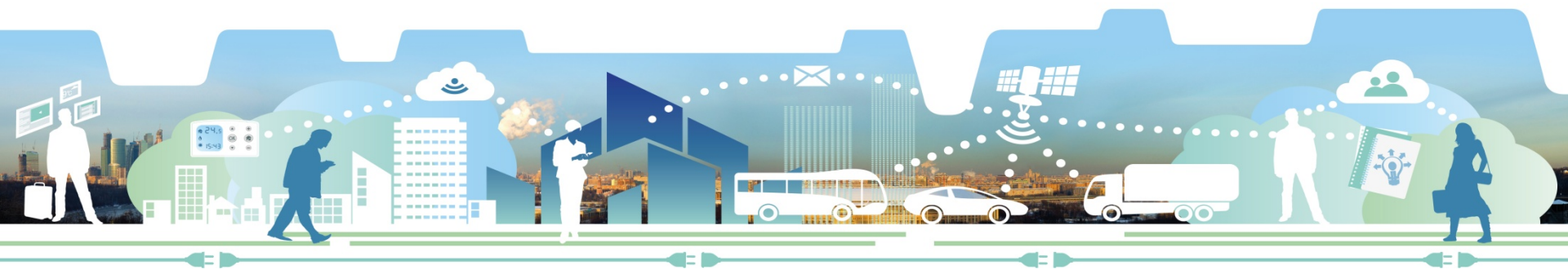
Francis Ostermeijer
Vrije Universiteit Amsterdam



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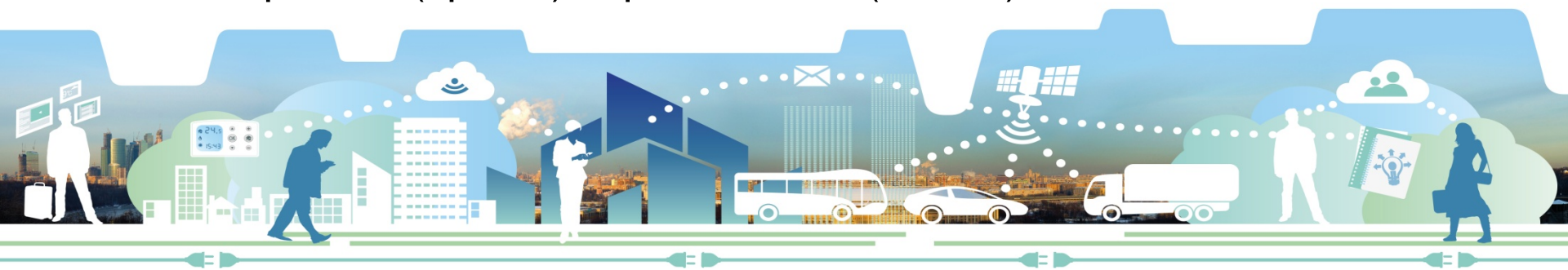
- I. Introduction
- II. Insights
- III. Interactive workshop



I. Introduction



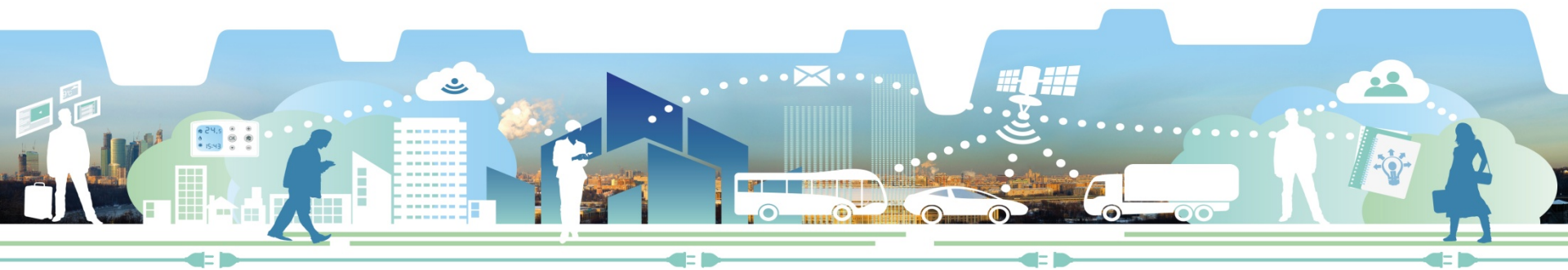
- My research
 - Residential parking costs and car ownership
 - Cars and decentralisation
 - Phone distractions and vehicle accidents
 - Evaluating parking behaviour in Amsterdam
- Why parking?
 - How every car trip begins and ends
 - Car is parked for most of the day
 - Large share of land in cities
 - Various provisions – Q: Amsterdam revenue?
 - Important (spatial) implications of (level 5) AVs



I. Introduction



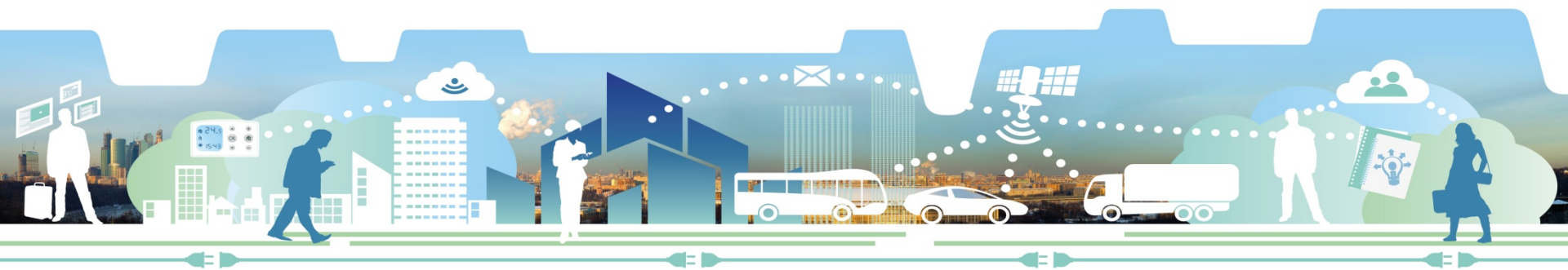
- AV: No longer need to park at final destination
- Demand
 - Car use (centre)
 - Short trips
- Supply
 - Parking capacity: on/off-street
- Good news if you live in a city!



II. Insights



- Residents
 - Car ownership quite elastic w.r.t. parking costs (-0.7)
 - Absent policy: vehicle demand in centre \uparrow 8-14%
- Visitors
 - Rich literature on price elasticity of parking demand
 - But... large variation in elasticities due to local conditions
 - Paper 4: Study this in Amsterdam



III. Interactive workshop



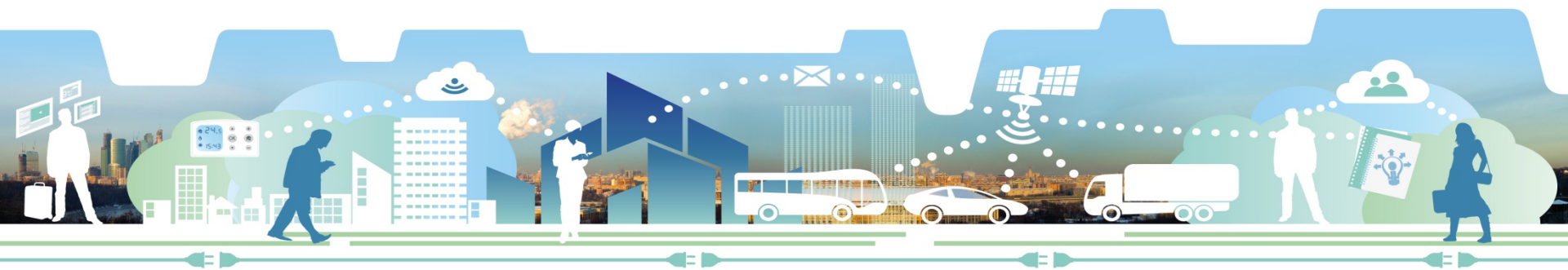
- **Aim:** Rethinking parking policy with AVs
 - Four rounds of discussion
- **Round 1:** Objectives of government parking policy?
 - Resident
 - Visitor
 - Business



III. Interactive workshop

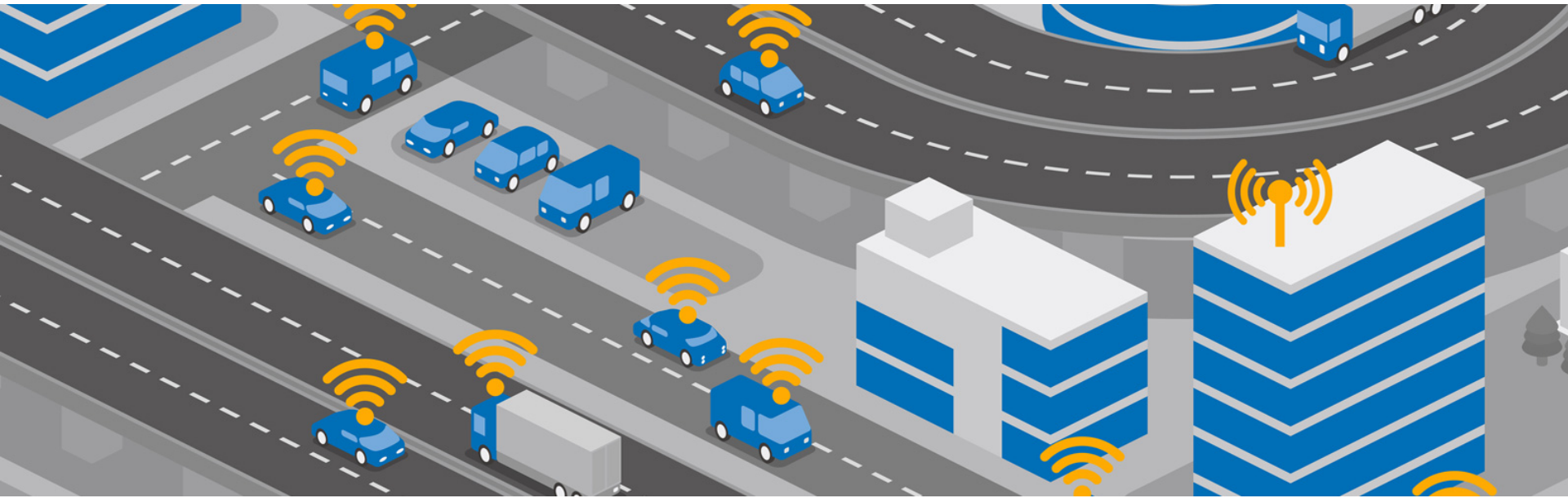


- **Round 2:** What are *current* parking policies?
 - Think about residents, visitors and business.
 - Do these policies match the objectives?



III. Interactive workshop

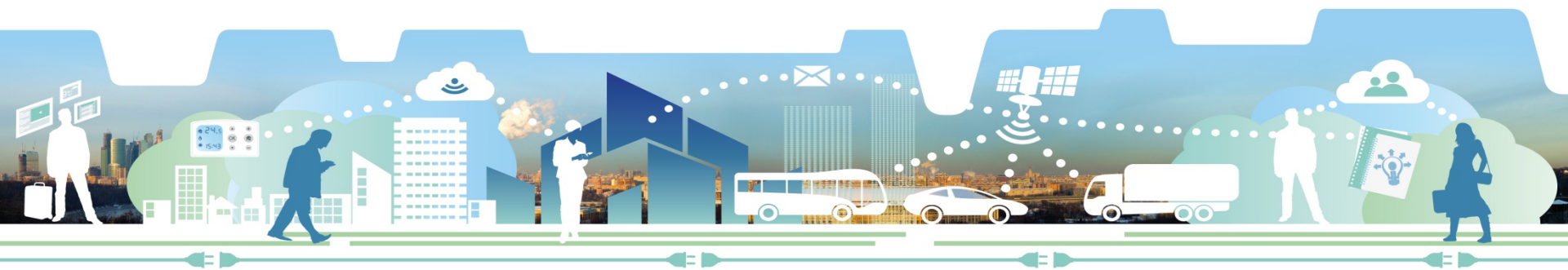
...fast forward 10-20 years



III. Interactive workshop



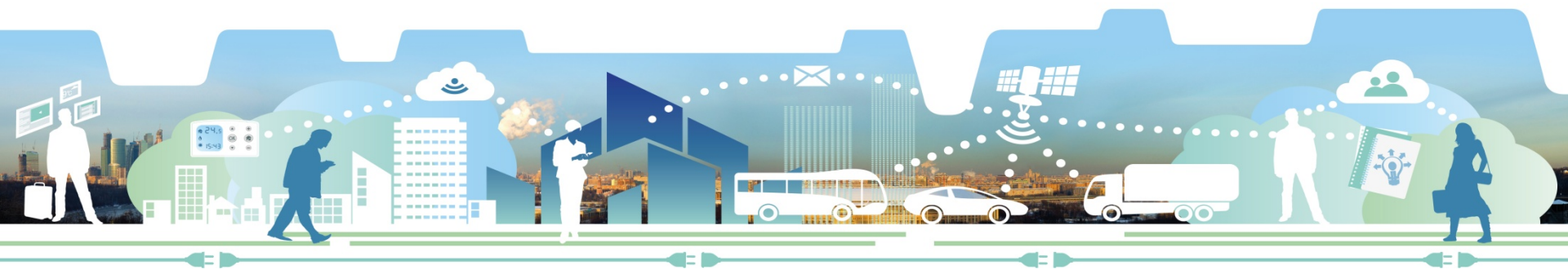
- **Round 3:** How should we adjust these policies?
 - Groups of three or 4.
 - Keeping our objectives in mind.
 - One or two concrete policies each.



III. Interactive workshop



- **Round 4:** How will this effect stakeholders?
 - Put yourself into the shoes of a stakeholder.
 - Who is it? Be explicit!
 - Present your perspective to the group.
 - Any clashing objectives?



AVs & Parking



Thank you for coming!

