

## Insights on replication Why may replication (not) be happening?

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## Business as usual is too easy / Path dependency

Corporate standards

Risk aversion

Capacities

Short term cycle pressures

Pricing incentives: energy, carbon price

Organisational silos / public-public collaboration

Behavioural change

De-risk, hudge, price



From payback time to secondary benefits and willingness to pay

Secondary benefits

Reduced social and health expenditures

Cleaner and safer environment, reduced fossil fuel dependency and energy poverty, increased local employment in green economy, higher quality of life Reduced economic losses (reduced absence, time lost in traffic congestion,...)

Willingness to pay

accounting

'Play on jealousy

'Giving factor' / local economy and society investments

## Regulatory bottlenecks / vested interests / system inertia

Regulation web for the status quo vs. dynamic legal certainty

Energy paradigm shift from a stable and centralized supply model to an intermittent and decentralized prosumer model: no ideal intermediate status is possible

Differing translations into MS regulation

Suboptimal implementation in smart city projects (technical, financial)

Legal sandboxes

Regulatory changes



## Challenges at the level of EU regulation

- 1. Providing space for a whole systems approach E.g EPBD versus area measures / integrated trade-off
- 2. Tensions between regulation fields

  Budgetary rules vs. long term investments

  Local authorities as co-investors

  LECs and PEDs vs. free choice of supplier, unbundling rules
- 3. The Commons versus the Market Energy is in between, but functionally linked to climate as a commons