

Relevance of Topic

- Switzerland wants to quadruple renewable electricity generation by 2035
- New energy regulations incentivize self-consumption and allow community solar PV

Research Question

- How will solar PV adoption evolve in urban Switzerland under new regulations that allow community solar projects?

Theoretical Framework

- Diffusion of Innovations, Theory of Planned Behaviour

Data & Method

- City Energy Analyst – Building level energy demand and production
- Agent-based Modelling

Findings

- Community solar PV formation difficult – contingent on a variety of factors
- Regulation hinders options available for community solar projects
- Huge differences in adoption for wholesale vs. retail electricity prices

ETH zürich

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