



Sustainable Peri-Urban Framework for Climate Neutral Development

The Spur-UP Project aims to transform **peri-urban zones** (the transitional areas between cities and the countryside) into hubs of climate-neutral innovation and social equity.

KEY CHALLENGE AREAS



Industrial Buffer Zones

High GHG emissions and pollution hotspots requiring immediate decarbonization



Fragmented Governance

Policies are often split across multiple administrative jurisdictions, hindering cohesive planning.



Lack of Infrastructure and Resources for Climate Action

Particularly for decarbonizing industries, managing waste, and enhancing resilience to climate vulnerabilities



Social Vulnerabilities

Marginalized populations in these fringes are hit hardest by environmental degradation and lack of infrastructure

OBJECTIVE

Equip local authorities, urban planners, industries and other relevant stakeholders with innovative and advanced tools, technologies, and mechanisms, to control urban expansion in the city periphery through cross sectoral collaboration and co-development.

THE SPURUP CORE GOALS



Decarbonization & Energy Efficiency

Transitioning energy-intensive industries through Net-Zero technologies in peri-urban industries.



Circular Economy & Resource Optimization

Establishing Industrial Symbiosis Hubs and promoting recycling, material reuse, and material efficiency.



Governance, Stakeholder Engagement & Planning

Developing Participatory Governance frameworks and "Local Green Deals."

DIGITAL TECHNOLOGIES



Knowledge Hub



VPT Simulator



Nexus for Funding and Incentives (NFI)



AI-Analytics Designer



REACT Platform



MaaS Platform



SERVE Platform



OSS - One Stop Shop Energy platform



Scalable digital infrastructure for large-scale deployment

DEMONSTRATION

SpurUP is a hands-on demonstration of how technology and policy work together.

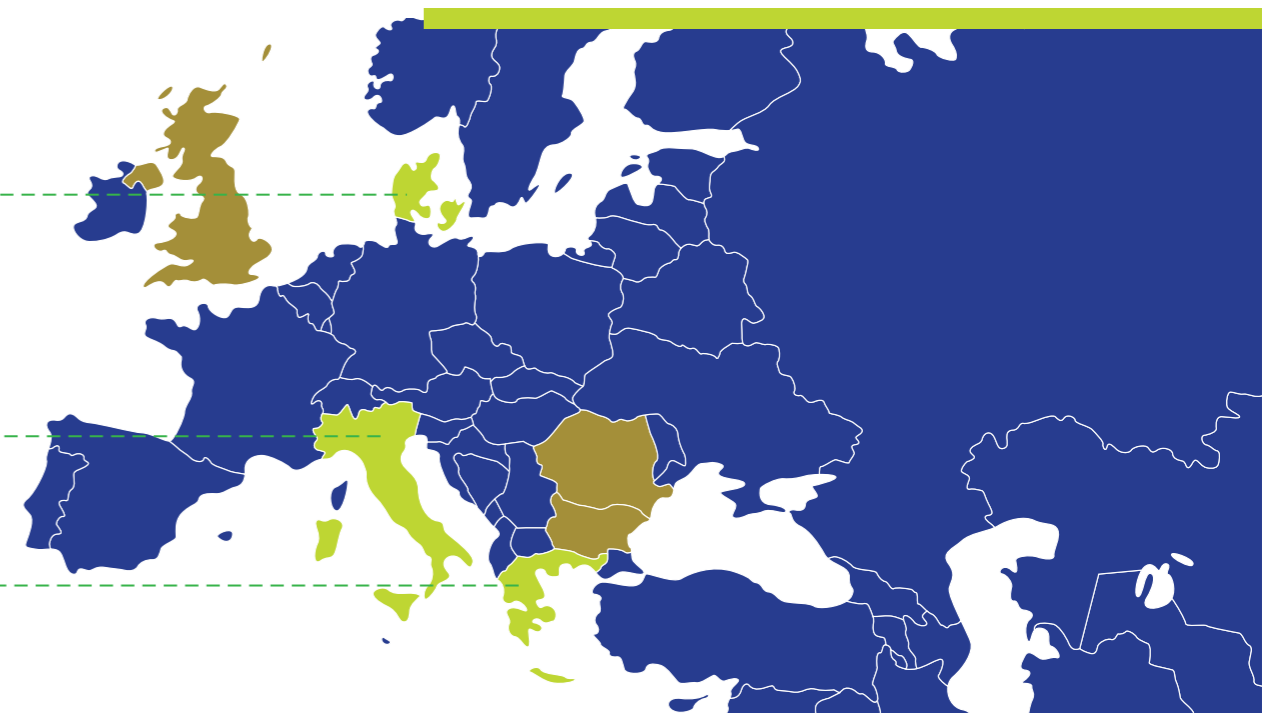
Living Labs

Replication Sites

Industrial Microgrids & PtX Water Treatment

Industrial Energy Efficiency & Sustainable Mobility

Solar Thermal and CCU Methanol Production



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