

*Workshop 7*

# Supporting local energy communities

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# Topics



- Civic energy aims and visions
- COBEN Civic Energy Process Design
- Community benefits that drive civic energy
- Building actor networks
- COBEN blueprints
- What about policy enablers?
- Additional guidance

# Aims and visions



- ❑ Promote civic energy as the main player of energy transition
- ❑ Mobilize local energy potential in pioneering communities
- ❑ Shift energy value chains to communities
- ❑ Pilot the development of civic energy enterprises
- ❑ Deliver real benefits to citizens from civic energy partnerships
- ❑ Make civic energy blueprints available to other communities
- ❑ Support transnational cooperation on local energy promotion

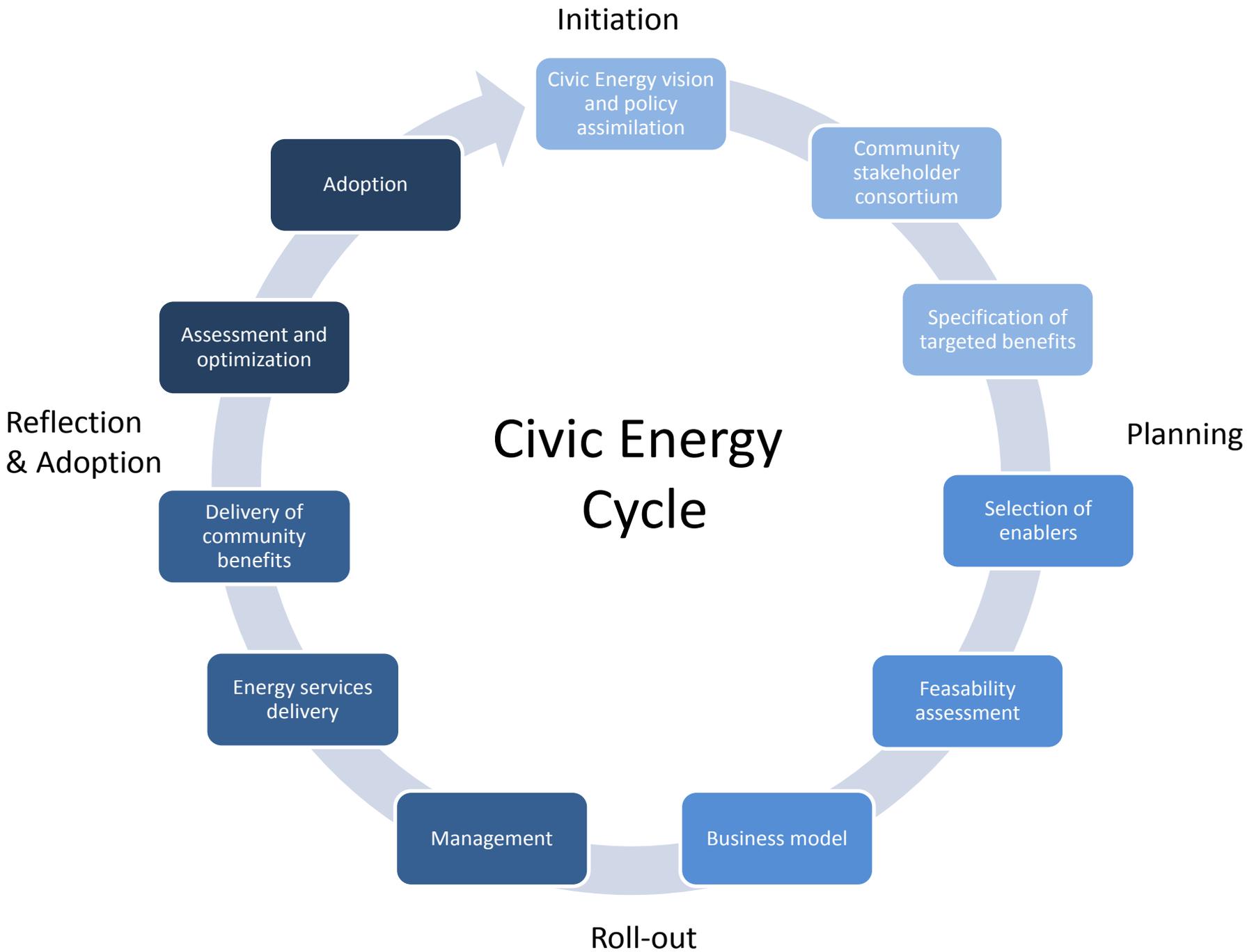
**... entail a shift in the current techno-economic paradigm**

**... with no process to follow**

# Demands on a civic energy process design



- Structure civic and social elements
- Cater to complex value propositions
- Guarantee transparency
- Safeguard process by integrated continuous improvement
- Enable community transfer



# Community benefits as drivers of civic energy



*Extract from pilot projects*

<b>Emmen</b>	Community cohesion: 300 citizens enrolled in 2 cooperatives EUR 130.000 p.a. savings on energy bill
<b>East Flanders</b>	Increased community ownership of local energy resources 20.000 tonnes CO2 reduction
<b>Østfold</b>	Boost to agricultural economy through smart farming Increase in community purchasing and procurement power
<b>Ringkøbing-Skjern</b>	Cleaner and cheaper energy for citizens New planning synergies through community energy
<b>Osnabrück</b>	Substantial energy savings in heating sector Deployment of surplus heat via local heat networks
<b>Highlands &amp; Islands</b>	Community control of Local Energy Plan Bulk procurement to support local supply chains

# Building actor networks



Region	Key stakeholders	Organisation form
Ringkøbing-Skjern, DK	Citizens, villagers Regional district heating network Municipality	Regional district heating network
Østfold, NO	County, municipality, Klima Østfold, farming community	Agrol Farmers' Union and AgriKjøp Procurement Group
Highlands & Islands, SCO	Scottish Government, municipalities, local stakeholders	Formalized Local Energy Plan
Eeklo, East Flanders	Waste incinerator operator, municipality, heat network operator, municipality, local school, citizens	PPP District Heating Network
Emmen, NL	Citizens, village representatives, cooperatives, regional companies	Cooperatives
Landkreis Osnabrück, DE	Businesses, prosumers, regional funders and banks	B2B and B2C contracts, heat network

# COBEN blueprints



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<b>Emmen</b>	Solar cooperatives initiative
<b>East Flanders</b>	PPP-based district heating network
<b>Østfold</b>	Solar energy provided by farming community
<b>Ringkøbing-Skjern</b>	Extension of district heating to scattered villages
	E-mobility in rural areas
<b>Osnabrück</b>	Deployment of surplus heat via local heat networks in 4 hotspots
<b>Highlands &amp; Islands</b>	Local Energy Plans for 4 representative communities

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**December 2018:** Publication of all business model frameworks inclusive of energy models, targeted benefits, enablers, supply chain ownership, economic models, organisational set-ups, legal forms and risk factors.

## What about policy enablers?

### Civic Energy potential

- Decentralized energy offers new perspectives for regional economies and community cohesion
- Surge in re-communalization, especially in Germany

### Policy needs

- National policy enablers currently only available in Scotland and Denmark
- Need to establish level playing field with incumbent energy regime and re-assess monopoly structures
- Legal upgrading of local energy initiatives overdue
- Need to lobby on §16 Local Energy Initiatives (Governance rules for EU energy market design)

# Success factors of civic energy initiatives



1. Community buy-in
2. Multi-competent partnership
3. Skillful stakeholder management
4. Reliable process management

# Additional guidance and support



More on [civic-energy.eu](http://civic-energy.eu)

