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LAW, POLICY, AND REGULATION FOR SMART LOCAL ENERGY SYSTEMS

10TH OXFORD ENERGY DAY
(DR. TEDD MOYA MOSE)



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OVERVIEW



WHAT ARE SLES?



LAW, POLICY & REGULATION



CONTEXT: PROJECT LEO REVIEW



ENERGY SYSTEM CHALLENGES



HIGH LEVEL FINDINGS



LAW & POLICY FUTURES?



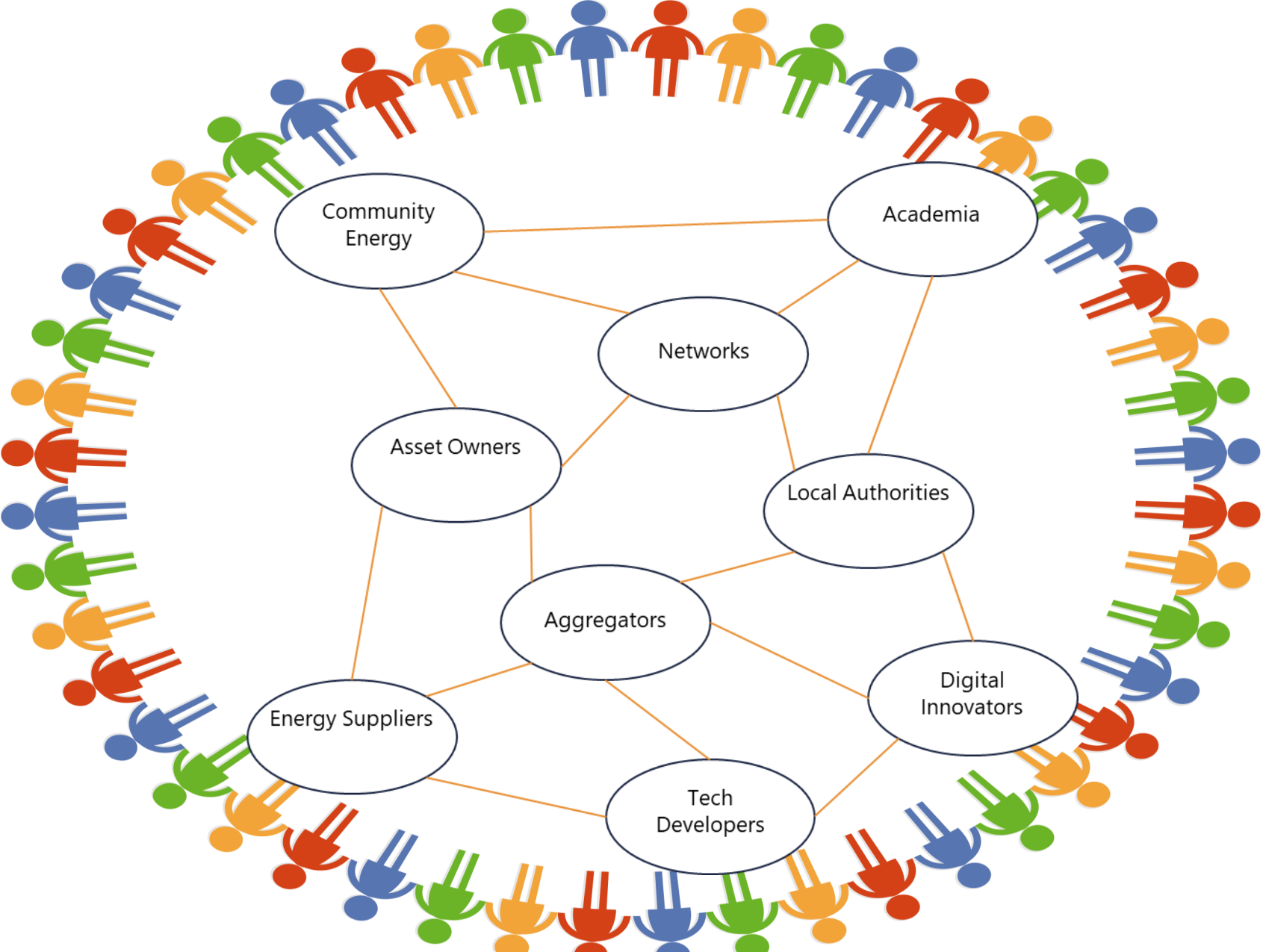
WHAT ARE SLES?

- *Smart*: Technologically innovative, automated & uses ICT for communication.
- *Local*: Generation and other assets close to the people.
- *Equitable*: Offer access to affordable energy services for all.
- *Sustainable*: Transition to Net Zero carbon and resilience.





ACTORS IN SLES?





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EXAMPLE OF SLES?

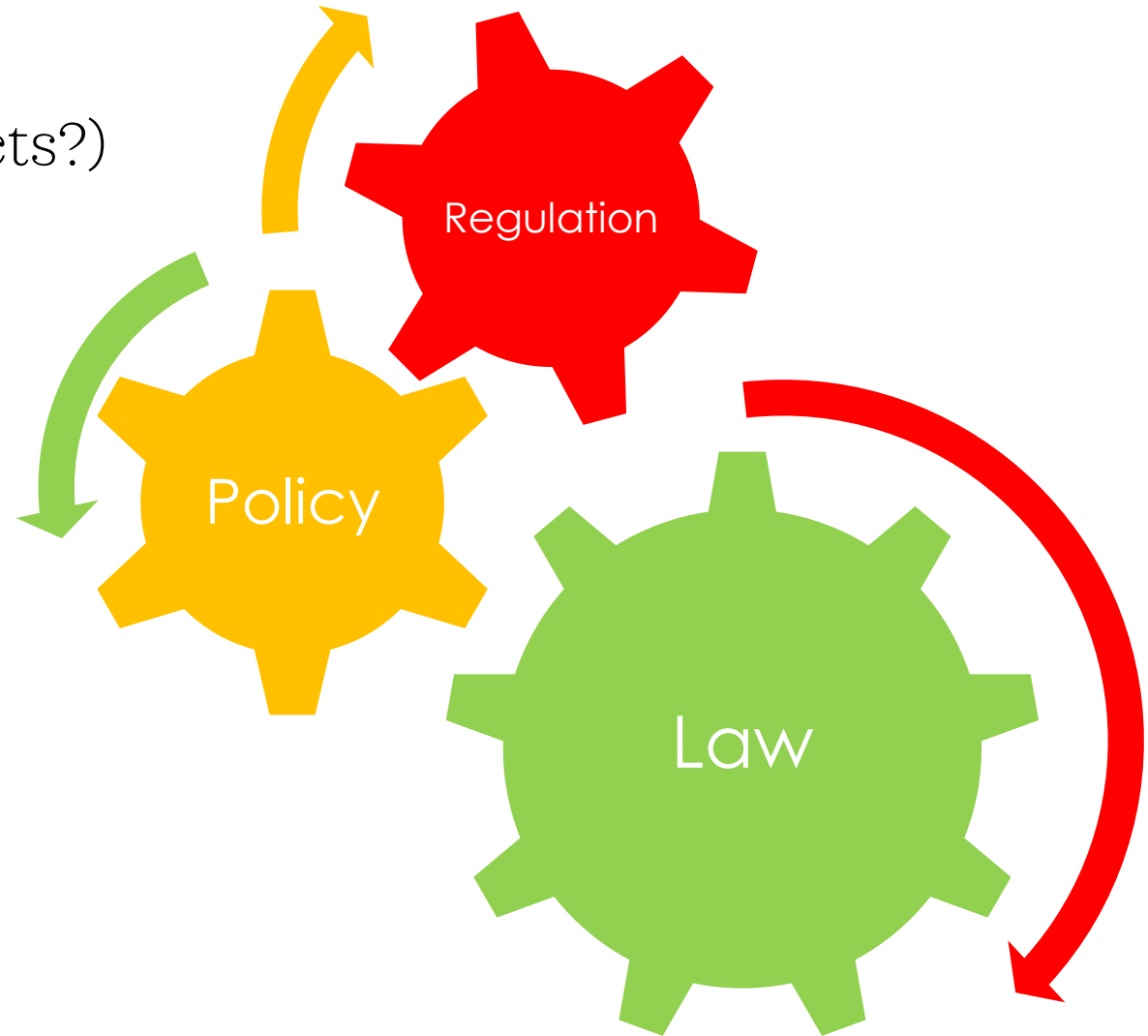


- £40m Smart Local Energy System Demonstrator Project
- Diverse set of 10 core project partners
- A 4-year project (originally 3) with 10-year vision
- Part funded by the UK Industrial Strategy Challenge Fund



LAW, POLICY, & REGULATION

- Law: Legislation (Courts & contracts?)
- Policy: Politics
- Regulation: Rules





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LAW, POLICY, & REGULATION

TIERS OF ENERGY LAW



Local

Secondary Legislation
By-Laws, Permits,
Restrictions, Licenses,
Local Standards

*Local Council,
Neighbourhood



Provincial

Sub-National
County Laws/ Land
Use.

*City Council,
Governors & Senators



National

Constitution
Primary Legislation
Parliament

* MPs, PM, President



International

Treaties/ Conventions
(Hard)
Declarations/
Standards (Soft)

*The State



CONTEXT: LEO POLICY & REG REVIEW



- How national and local law, policy, & regulation shape SLES and Markets
- LEO partners' experience with local law, policy, & regulation
- Reviews national and local policy and regulation, refers to international frameworks
- Law, policy, & regulation can be an enabler or barrier to development of SLES
- Implementing a SLES can only be achieved with policy and regulatory support

<https://project-leo.co.uk/reports/policy-and-regulatory-review/>



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ENERGY LAW & POLICY?

ENERGY SYSTEM CHALLENGES

ELEPHANTS IN THE ROOM





ENERGY LAW & POLICY?

(CENTRALISED) ENERGY SYSTEM CHALLENGES

Nord Stream pipelines from Russia



Source: Gazprom



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GLOBAL ENERGY LAW & POLICY?

(CENTRALISED) ENERGY SYSTEM CHALLENGES





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GLOBAL ENERGY LAW & POLICY?

(CENTRALISED) ENERGY SYSTEM CHALLENGES





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GLOBAL ENERGY LAW & POLICY?

(CENTRALISED) ENERGY SYSTEM CHALLENGES





CONCLUSION



AMBITION:

Mismatched regulations
(decarbonisation & equity aims)

-VS-

resources needed to achieve
them.

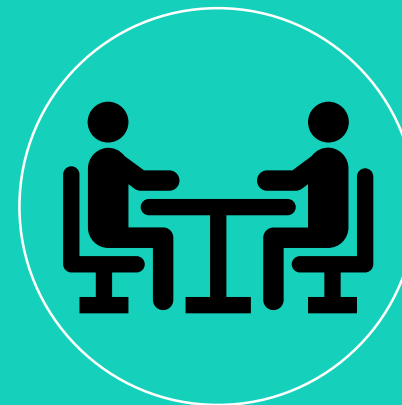


BREAKDOWN:

Disaggregated national policy
goals

-VS-

local planning plans &
documents.



COLLABORATION:

Law, policy and regulation
breadth

-VS-

finance, governance, & planning
documents synergy

