

Tribute to the Global Energy Transition



@oxleyjc
@WECouncil

Jonathan Oxley | Stockholm, 30-Sep-19

The World Energy Council

- A registered charity, established in **1923**
- The only **truly global** energy organisation – UN accredited
- A **neutral platform** engaging experts **across the whole energy system and beyond**
- **Promoting robust energy transition** and sustainable energy for all
- We are **impartial**, but not passive!



The Energy Transition Toolkit



Unique resource to understand, effectively intervene and manage energy transitions on a global, regional and national basis



World Energy Issues Monitor: reality check - global, regional, national energy perspectives on the key energy transition challenges



Energy Policy Trilemma: policy pathfinding to balance security, equity and sustainability performance



World Energy Scenarios: engaging with uncertainty as opportunity and reframing choices and options



Innovation Insights: moving innovation from margins to mainstream & digging deeper into wide and fast shifting landscape



Dynamic Resilience: better prepared for emerging and systemic risks

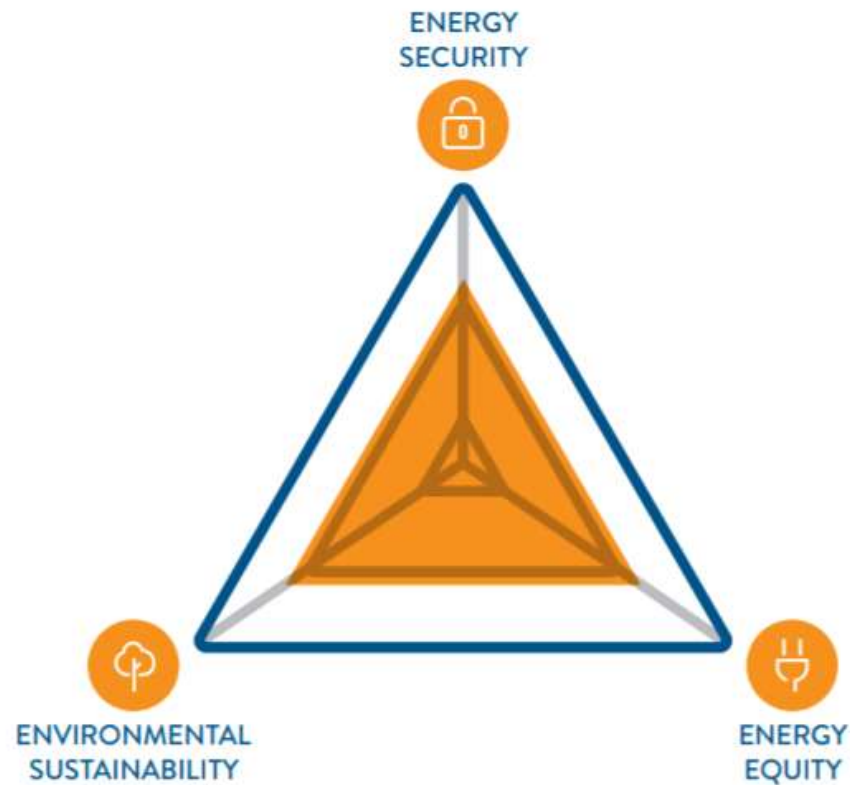


Energy Policy Trilemma – 2019

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TOP 10 OVERALL RESULTS

1. Switzerland
2. Sweden 
3. Denmark
4. United Kingdom
5. Finland
6. France
7. Austria
8. Luxembourg
9. Germany
10. New Zealand





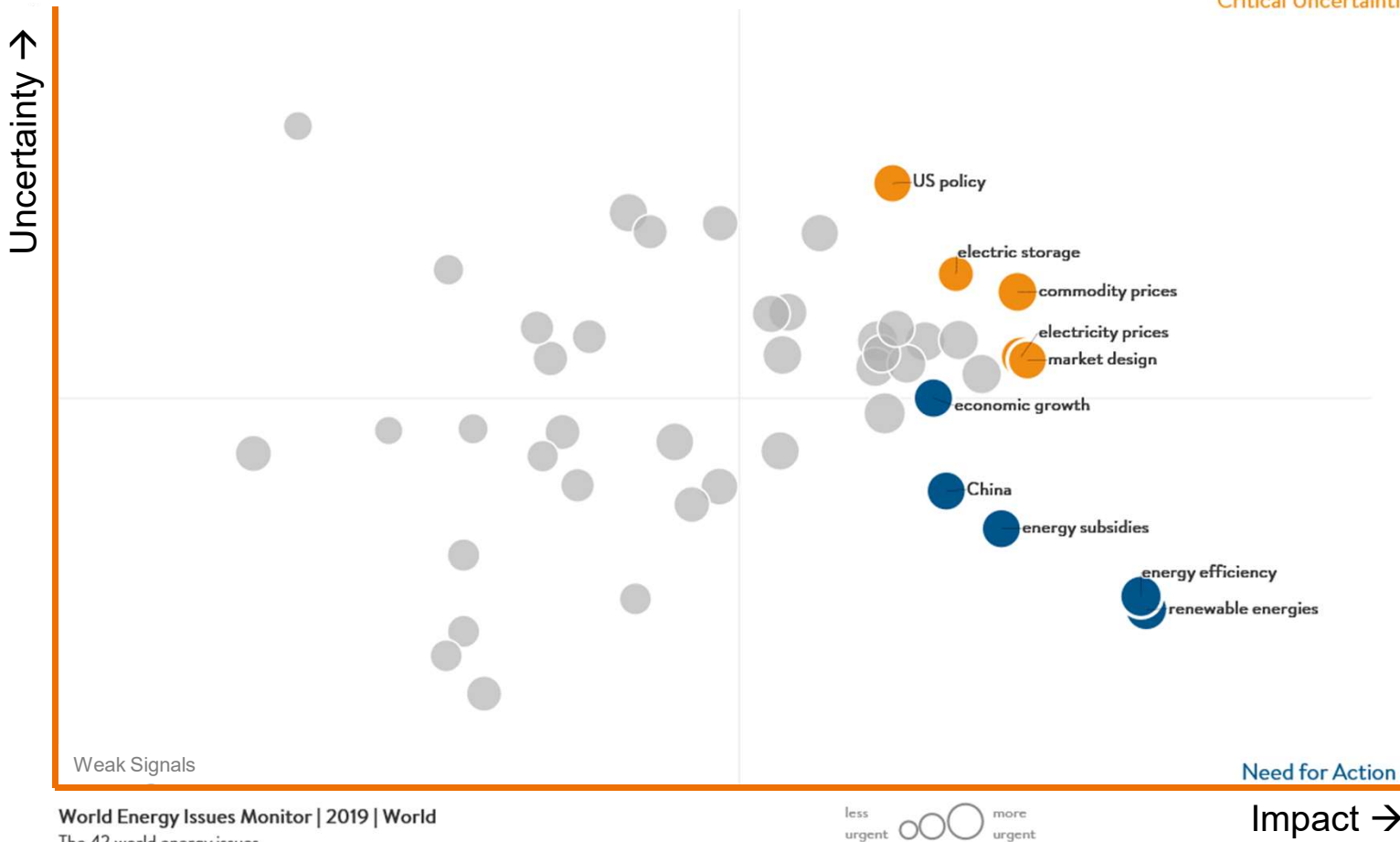
Issues Monitor – Global 2019

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Critical Uncertainties

Four strategic priorities:

- Market Design
- Electrification
- Global Competition
- Resources & Commodities





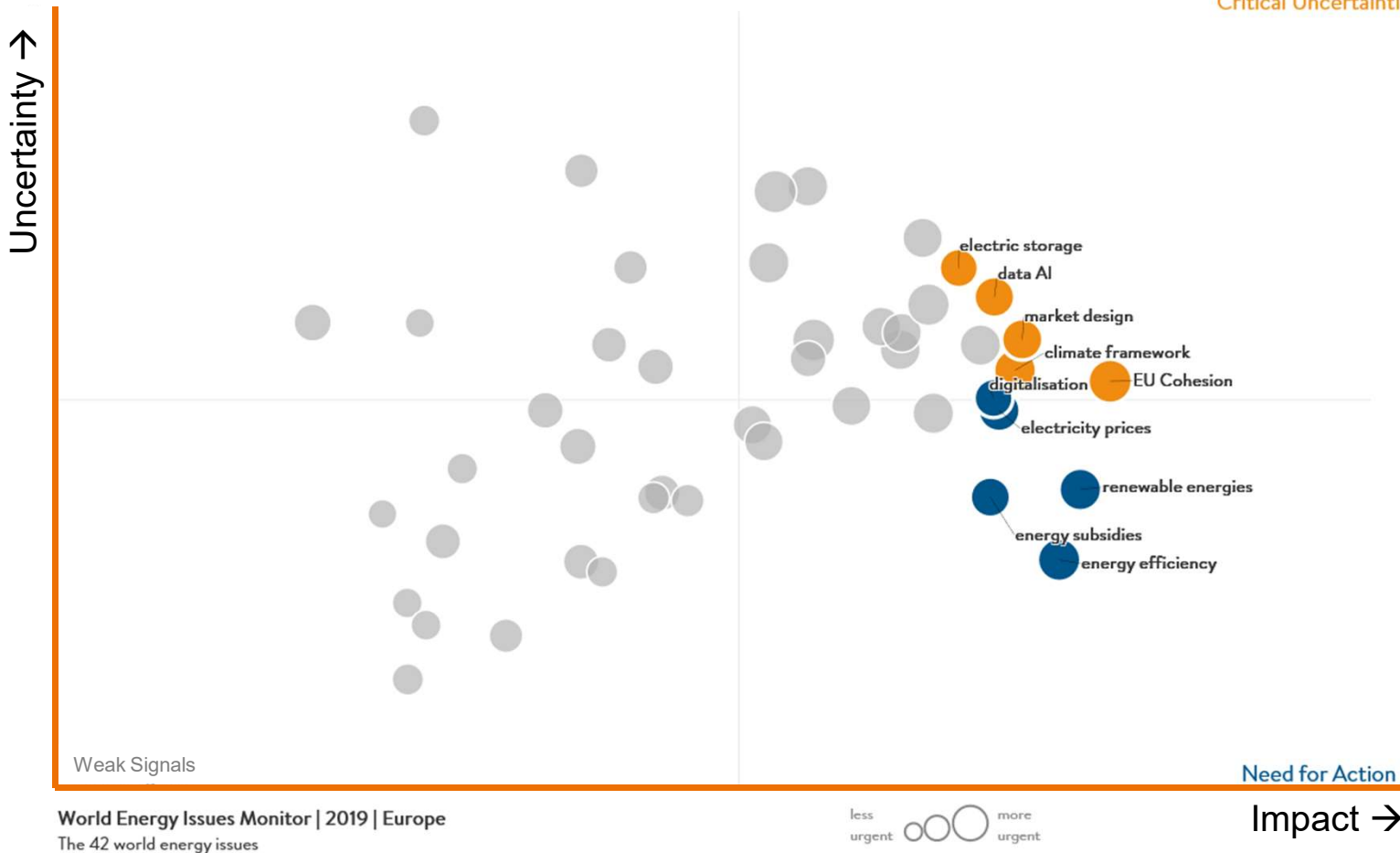
Issues Monitor – Europe 2019

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Critical Uncertainties

European Differences:

- Digital/Technology
- Storage (regulation)
- Market Design
- Efficiency remains strong
- Regional politics (EU)



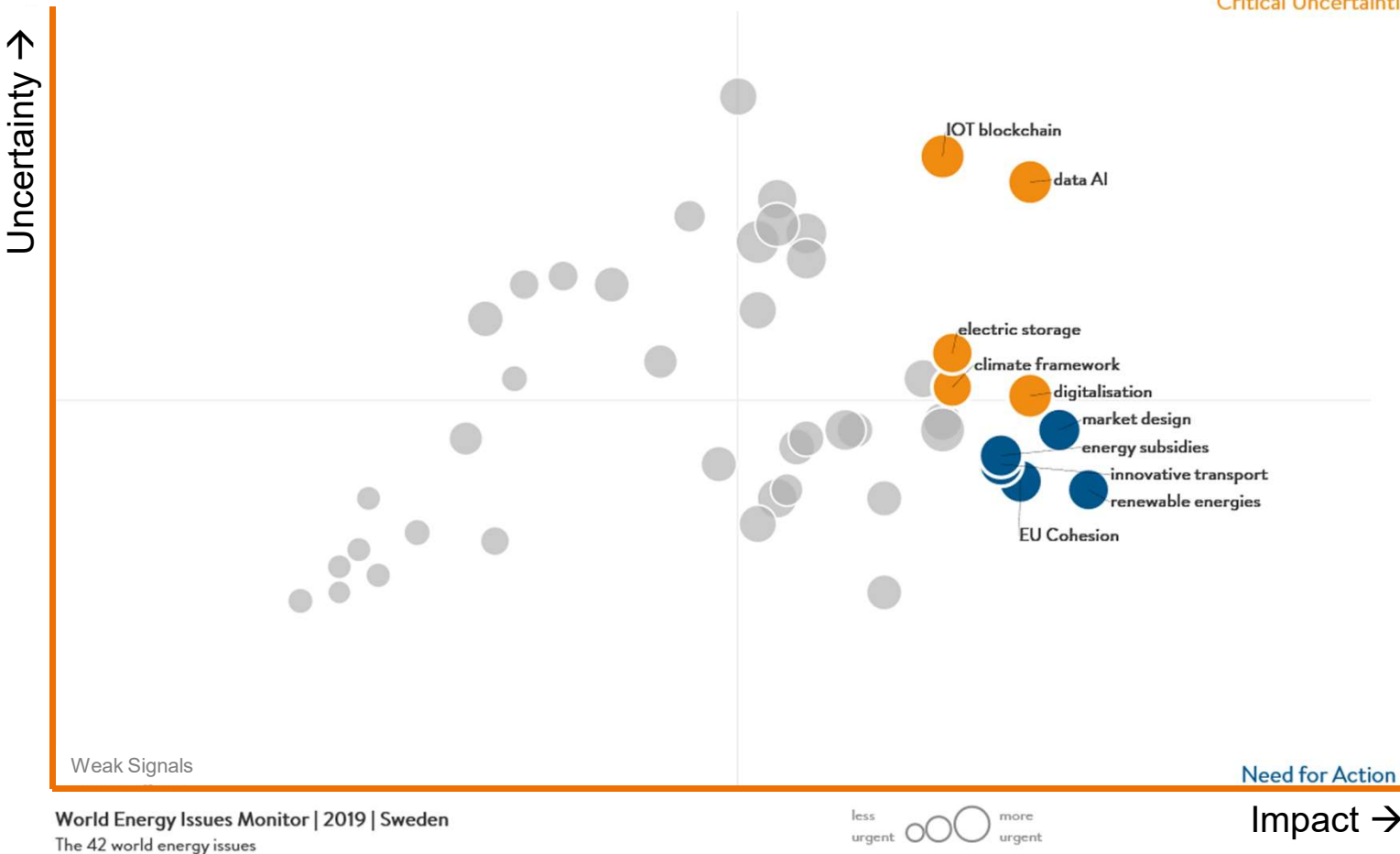


Issues Monitor – Sweden 2019

Critical Uncertainties

Uniquely Sweden:

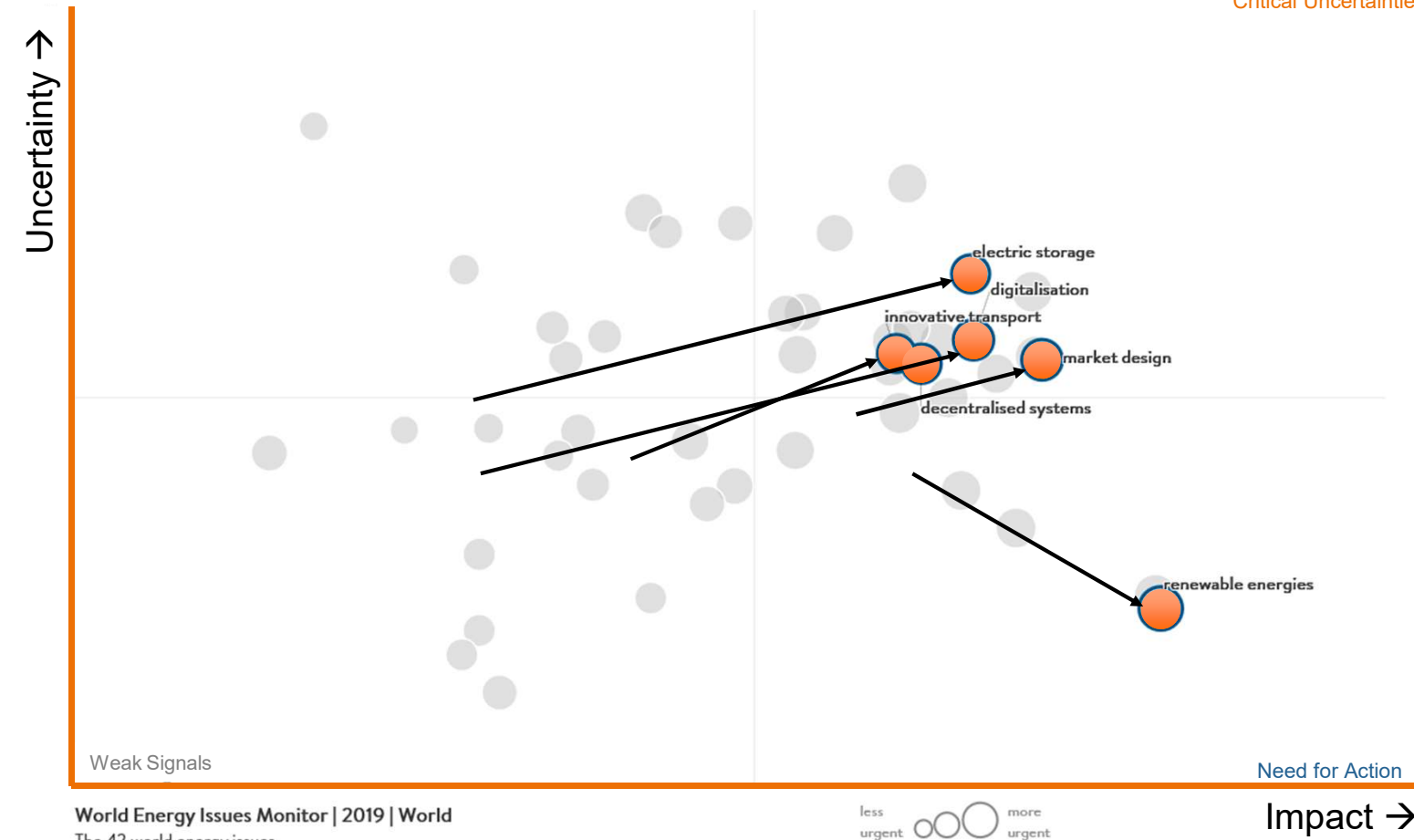
- Key digital tools
- EU preparedness
- Market design
- Transport
- EU Preparedness





Issues Monitor – Innovation Movers

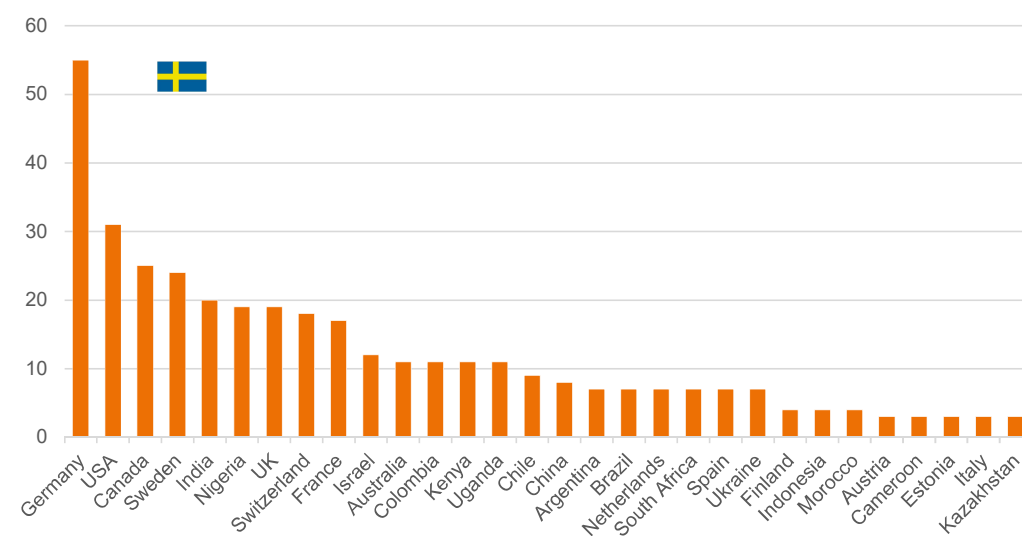
Critical Uncertainties



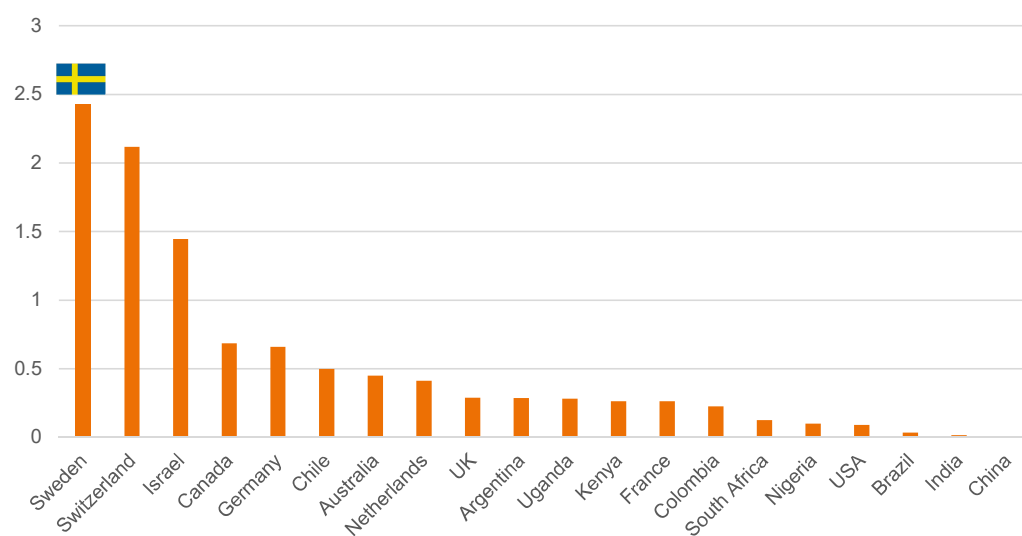
- Technology innovation clusters of **renewable energies, electric storage, & innovative transport** are moving up.
- This technology push is going hand in hand with **innovation in new market designs and decentralised systems**.

Swedish Energy Agency SET Partnership

SET19 Applications per Country Top 30



Applications / M people



Thank you

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