

Geopolitical impacts on the development and assessment of LTES

World Energy Council Scenarios

Surfacing the strategic conversation in Global Energy

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The Council's tools to equip transition leaders

Managing successful global energy transition is not straightforward task.

It benefits from a balanced approach and the involvement of multiple stakeholders.

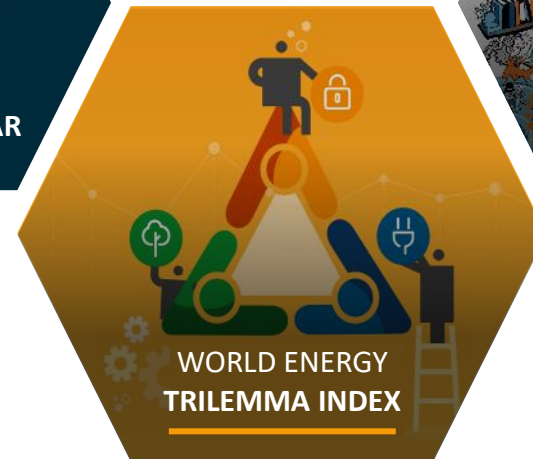
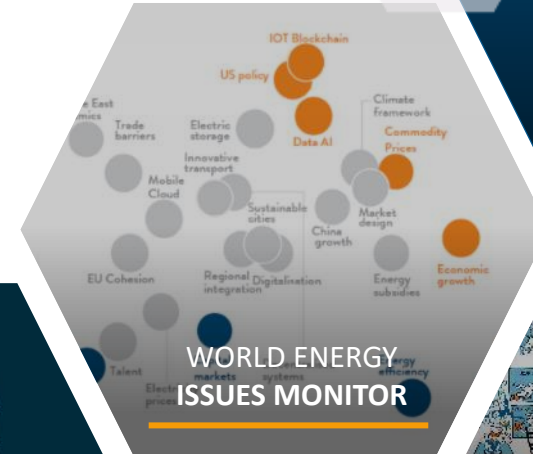
We promote whole system understanding to **enable effective action**.

We believe that engaging diversity in energy – regional, technological and social - provides a source of shared learning, innovation and new insights.

Our [World Energy Transition Leaders Toolkit](#) is a **unique set of practical and easy-to-use tools** for exchanging perspectives, supporting dialogue and forging new common ground and cooperation.

All the tools are codeveloped and continuously improved through use by the entire world energy community.

Our aim is not to predict the future of energy but by engaging more people in energy we can cocreate a better energy future for all.

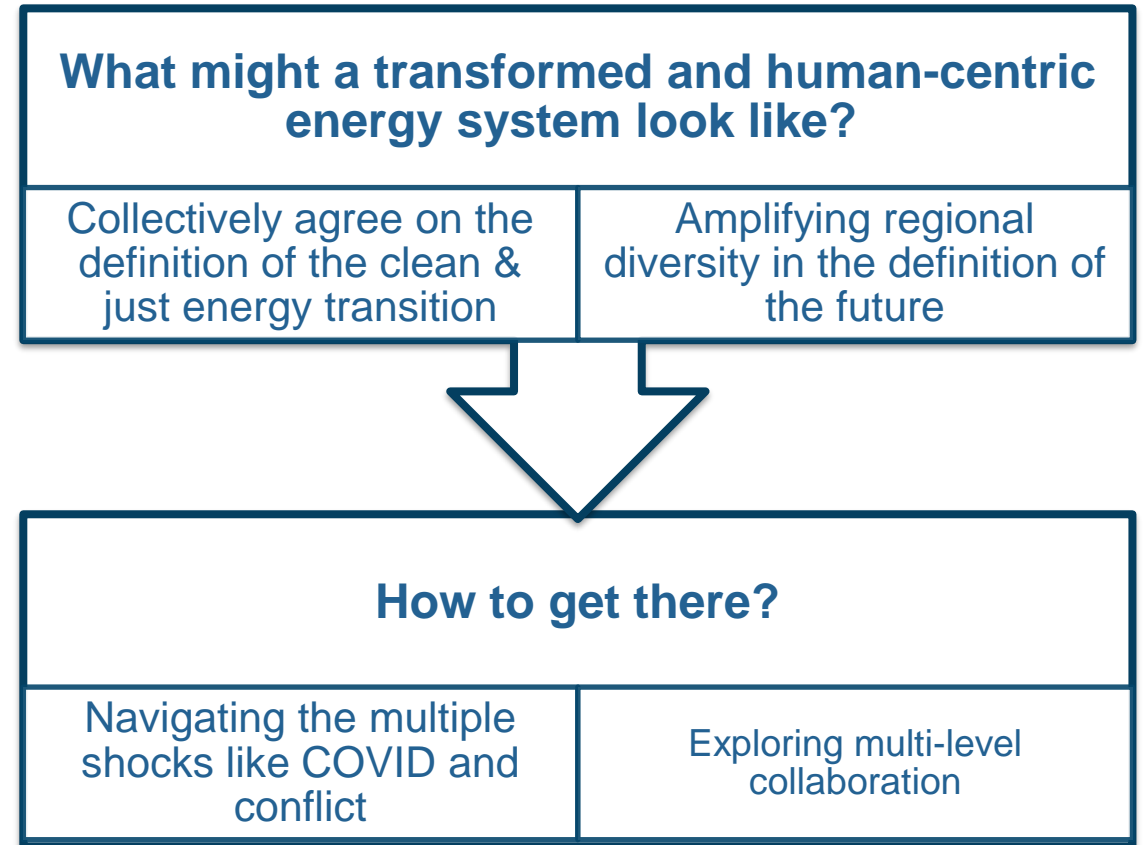


SCENARIOS IN SERVICE OF WEC MISSION

Scenarios as a Process Tool

The aim of the redesigned Scenarios process to establish a **participatory process** for creating Global Energy Scenarios which **explore and catalyze action towards a human-centric global energy transition**. The process is designed to ensure a **systematic approach** to reviewing and updating the **trends, drivers, critical uncertainties and wildcards** within the energy sector. This will build on the Council's Grand Transition framework and utilize the Energy Transition Toolkit.

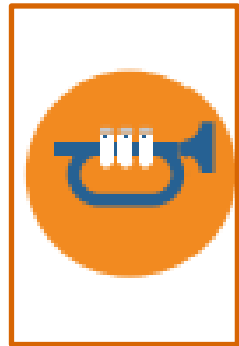
Key Themes to explore



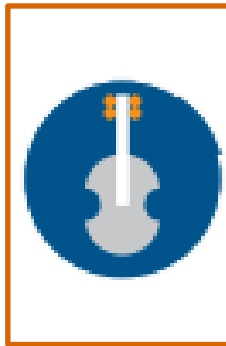
Inductive Approach for the WEC Global Energy Scenarios 2019

“Exploring Innovation Pathways to 2040,” includes three global storylines to 2040, with supporting systems thinking maps, comparative analysis and regional summaries. It includes a discussion of new insights, reflecting deeper shifts in the energy system innovation landscape, and provides a broader view on “how to use” the scenarios. Refreshed scenarios were informed by insights from more than 100 deep-dive leadership interviews across 14 themes, regional workshops and wide experts’ engagements.

[Long-Term World Energy Scenarios | World Energy Council](#)



Modern Jazz: A market-led, digitally disrupted world with faster-paced and more uneven economic growth. Recent signals suggest that this entrepreneurial future might accelerate clean energy access on both global and local scales, whilst presenting new systems integration, cyber security and data privacy challenges.



Unfinished Symphony. A strong, coordinated, policy-led world, with long-term planning and united global action to address connected challenges, including inequitable access and affordable decarbonisation. Recent signals suggest increased activism and commitment to addressing climate change at the sub-national level, and an expansion of the focus from climate change mitigation to a broader, socially inclusive and economically affordable sustainable development agenda

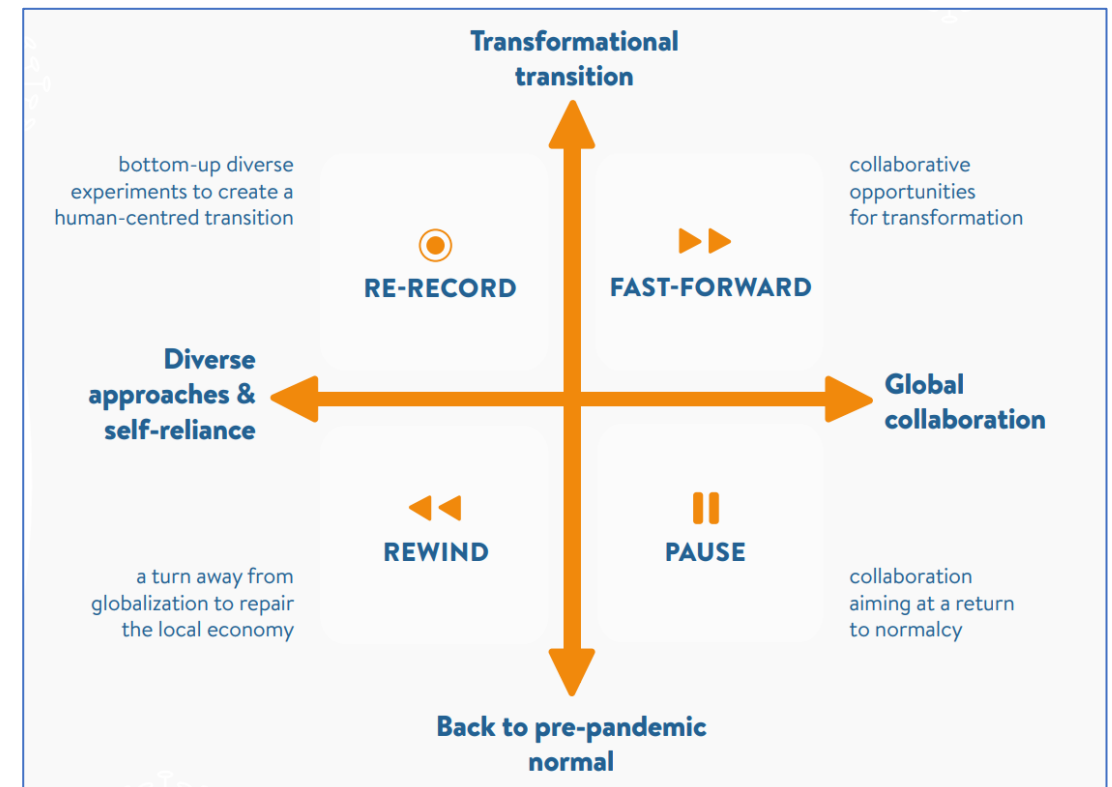
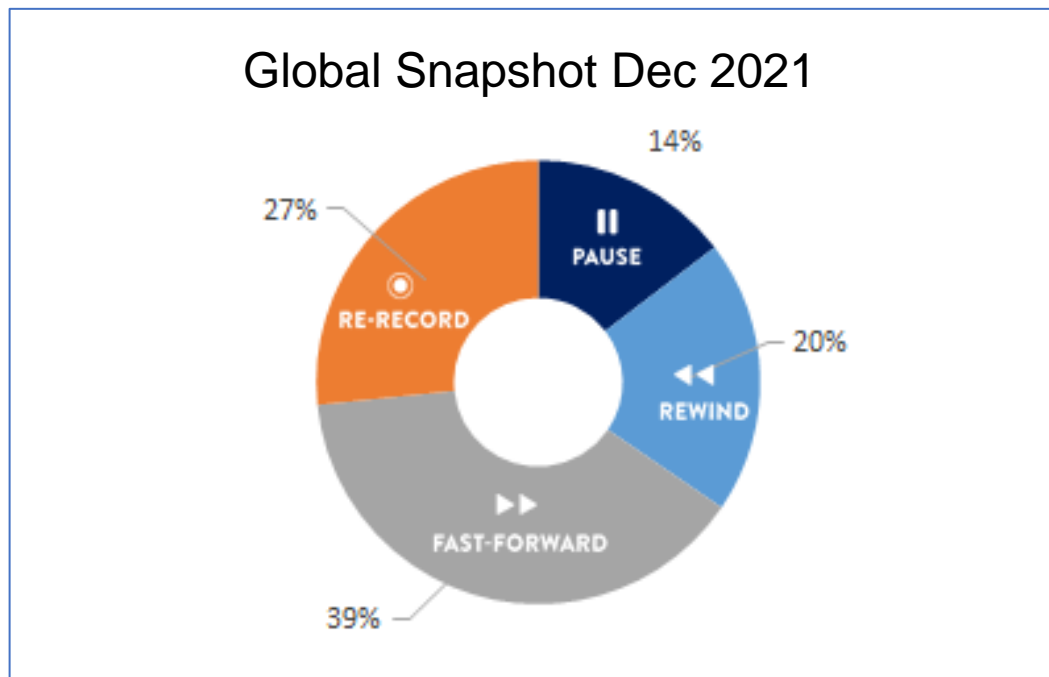


Hard Rock. A fragmented world with inward-looking policies, lower growth and less global cooperation. Recent signals, such as the rise of populist leaders and uncertainty about the outlook for international cooperation, imply that this scenario is also evolving into a story of regionally firmer security foundations rather than total fragmentation and “harder rocks.”

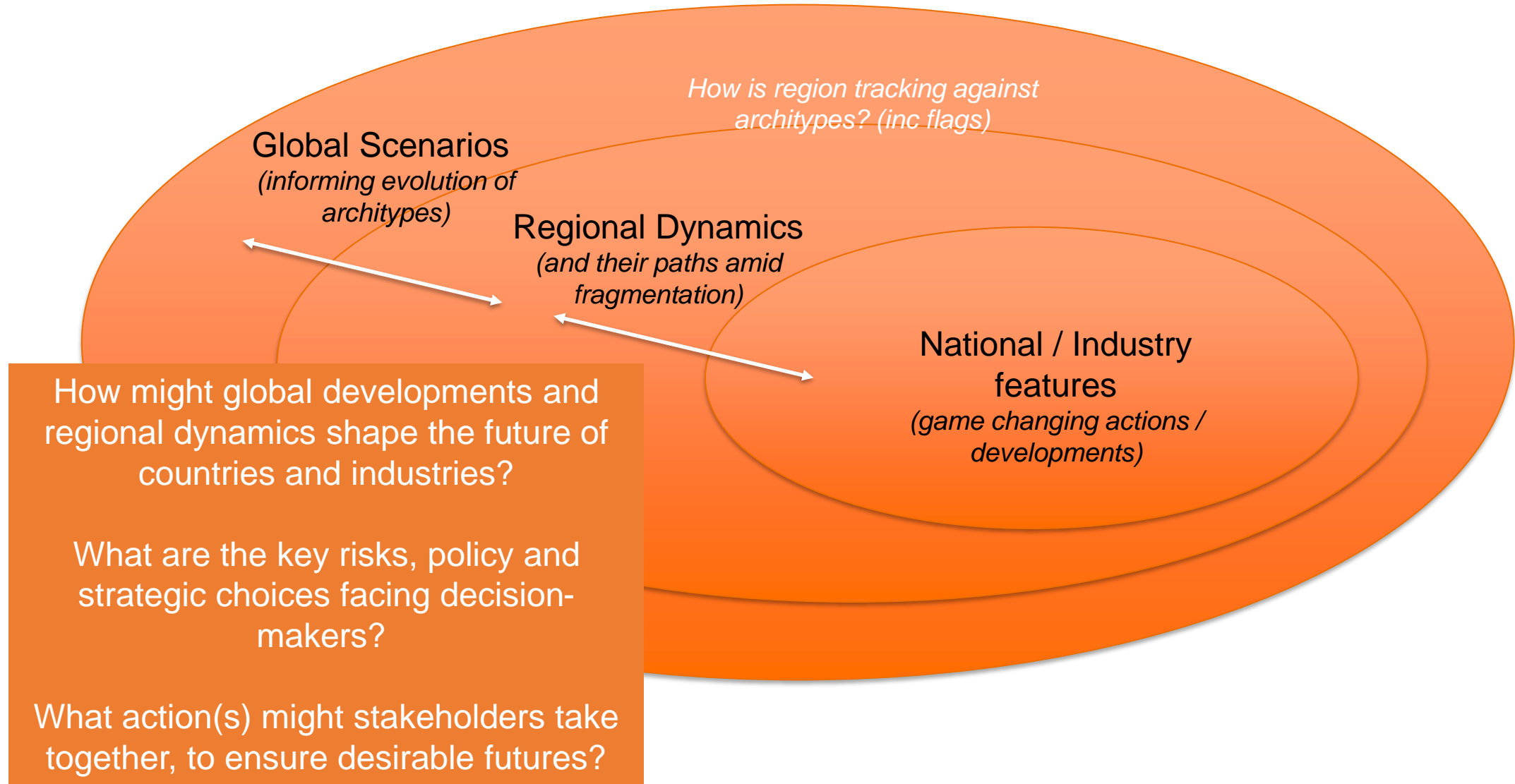
Covid Scenarios

The four scenarios and their taglines are shown below:

- **PAUSE:** collaboration aiming at a return to normalcy
- **FAST-FORWARD:** collaborative opportunities for transformation
- **REWIND:** a turn away from globalization to repair the local economy
- **RE-RECORD:** bottom-up diverse experiments to create a human-centered transition

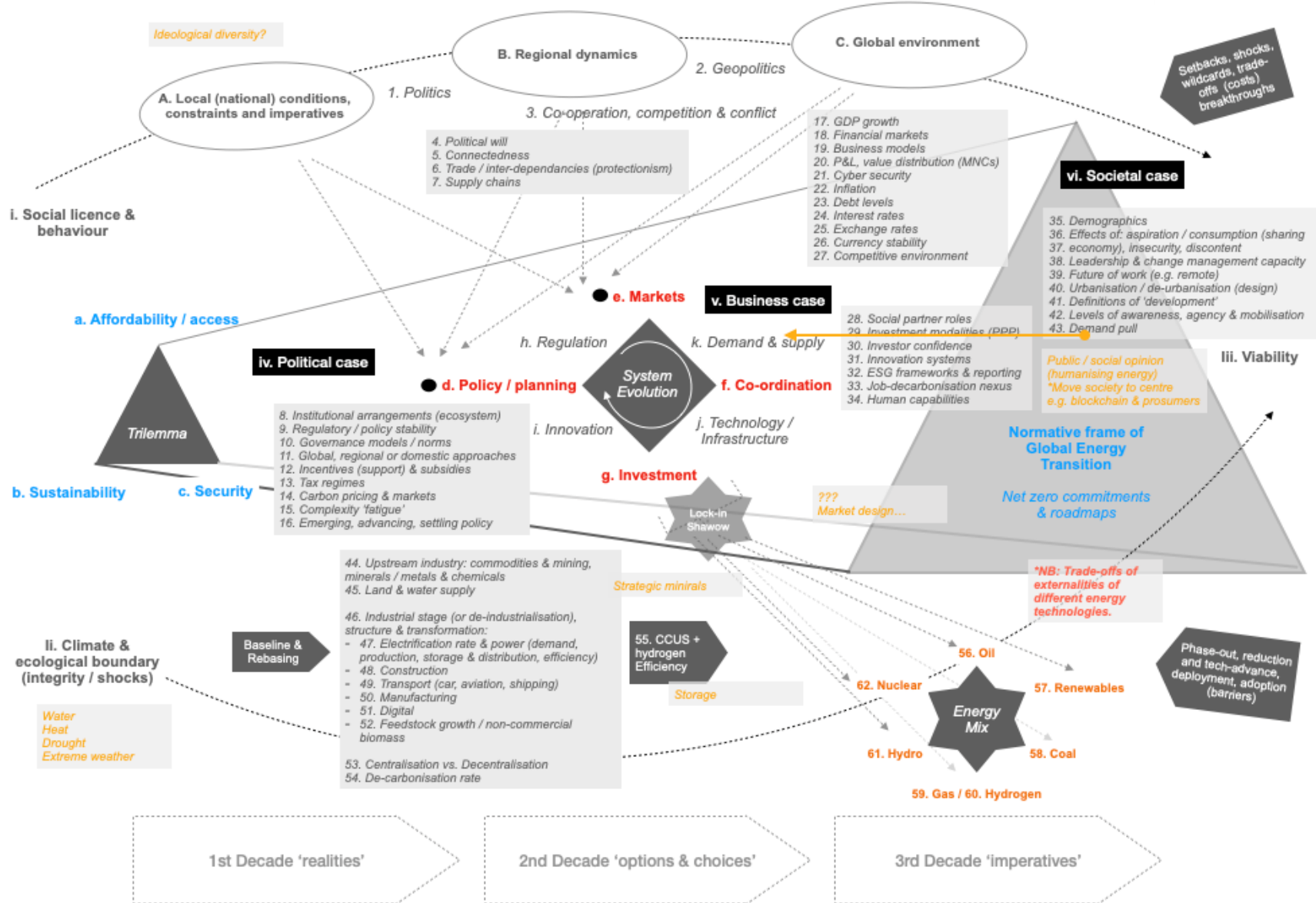


REFRESHING GLOBAL SCENARIOS WITH REGIONAL LENS

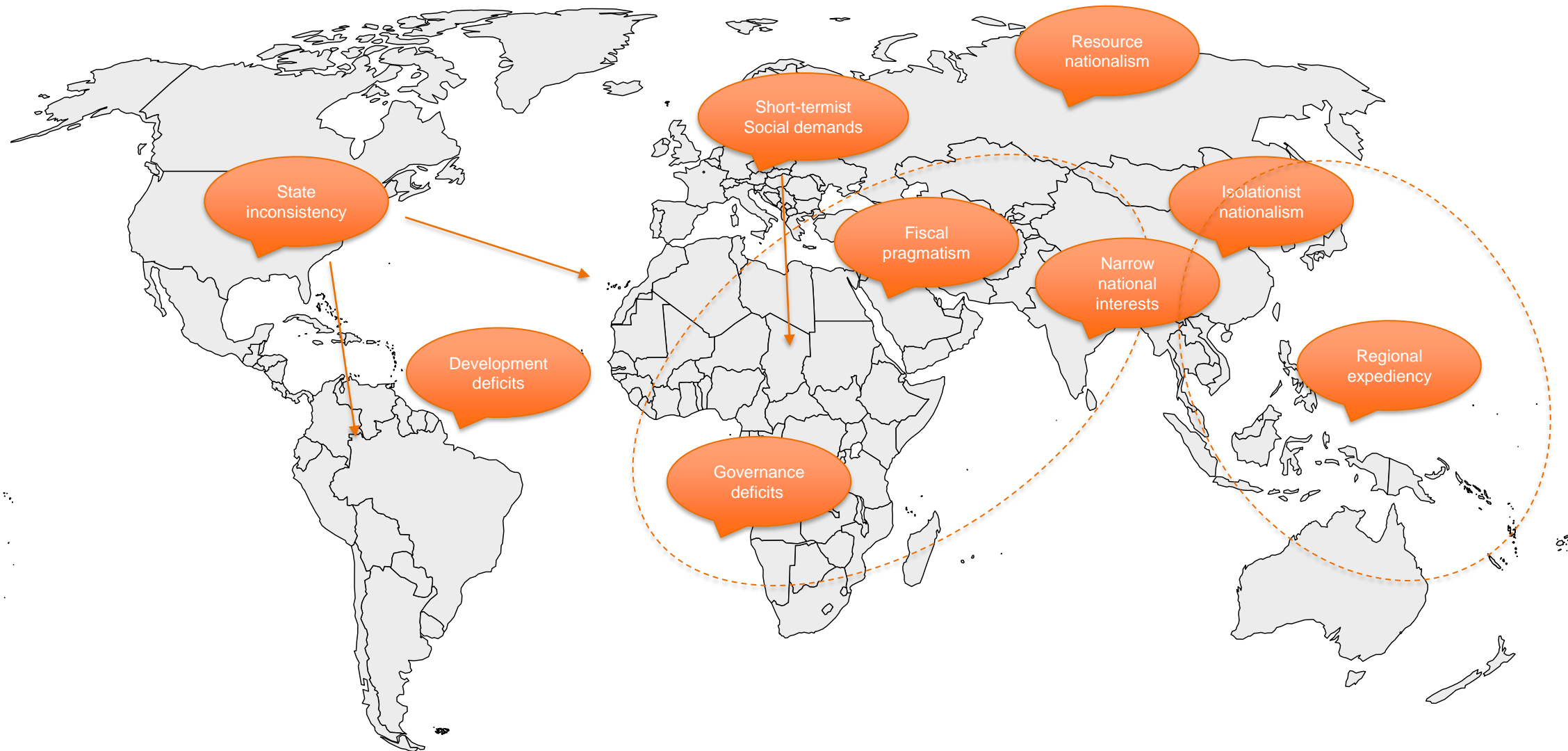


Domain Map & Scanning Framework - World Energy Council Scenarios

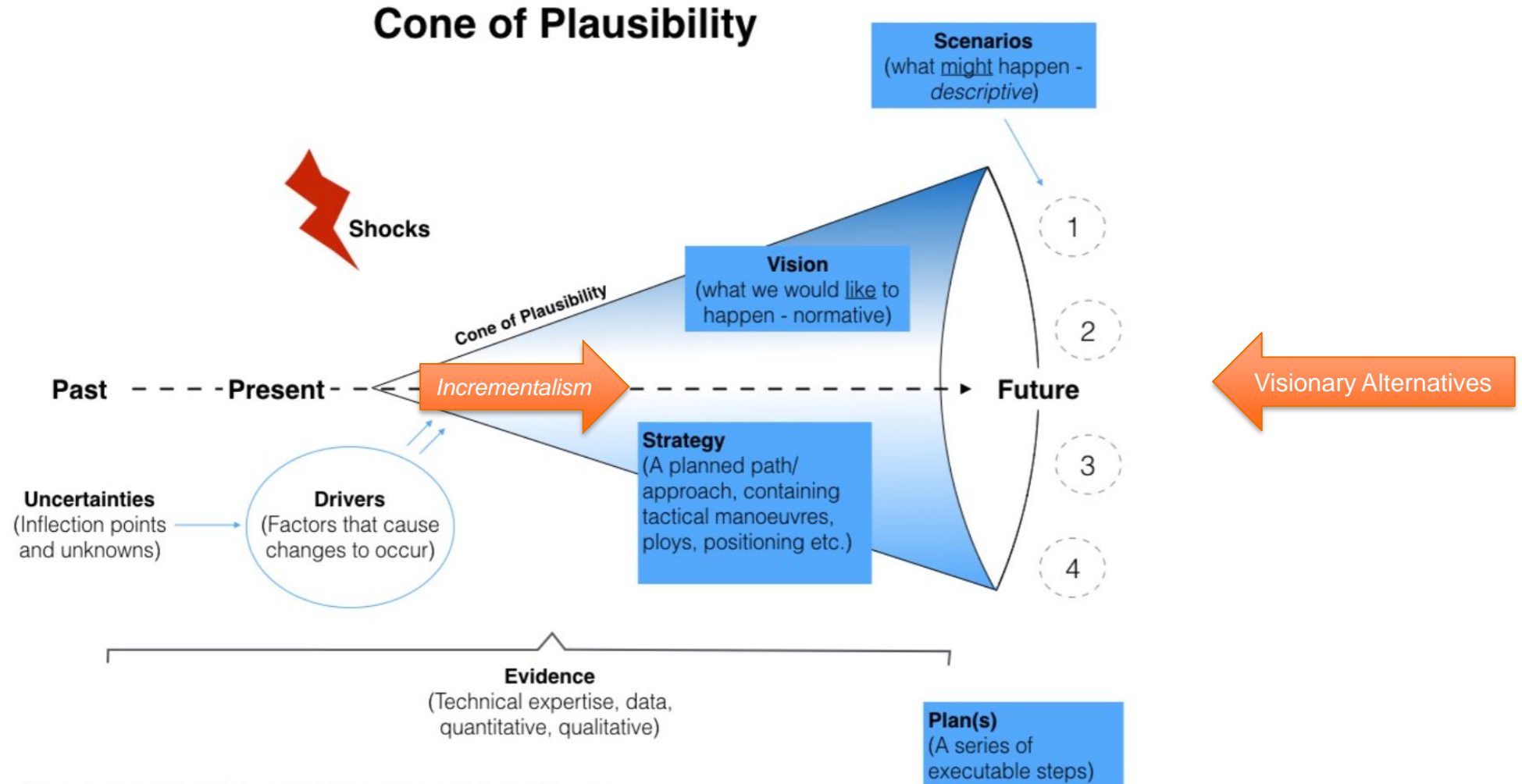
Based on: WEC Scenarios, Issues Monitor, Trilemma, Pulse, FELs Visionario



Geopolitical uncertainties



Beyond incrementalism



Oosthuizen, M. (2017) Cone of Plausibility. Based on Rutz, C.W. 1987.

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ABOUT THE WORLD ENERGY COUNCIL



Formed in **1923**, the World Energy Council is the world's first permanent energy organisation and a registered charity.

We are an **open-to-all** and fully independent **world energy community**. We do not advocate for any country, company, resource, technology or solution.

Our enduring mission focusses on **“how to”** secure better energy for humanity in the current era of energy for people and planet.

Globally networked and locally strong, we work dynamically with 3,000+ member organisations, in nearly 90 countries, across all energy sectors.

In 2019, the World Energy Council launched a new vision of **‘Humanising Energy’** which has rapidly come of age in the global health emergency.

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