IRENA

International Renewable Energy Agency

The socioeconomic footprint of the energy transition and its relevance

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IRENA's Work on Energy Transition policies and the socio-economic footprint of the energy transition

IRENA – International Renewable Energy Agency

Comprehensive work on all energy transition dimensions : Technical, Economic, Finance, Policy, Education, Knowledge, Planning, Resources, Environmental …

KPFC – Knowledge, Policy and Finance Centre

Focus on the social components of the energy transition

★ **Measuring the Socio-economic footprint**

★ **Auctions and Policies**

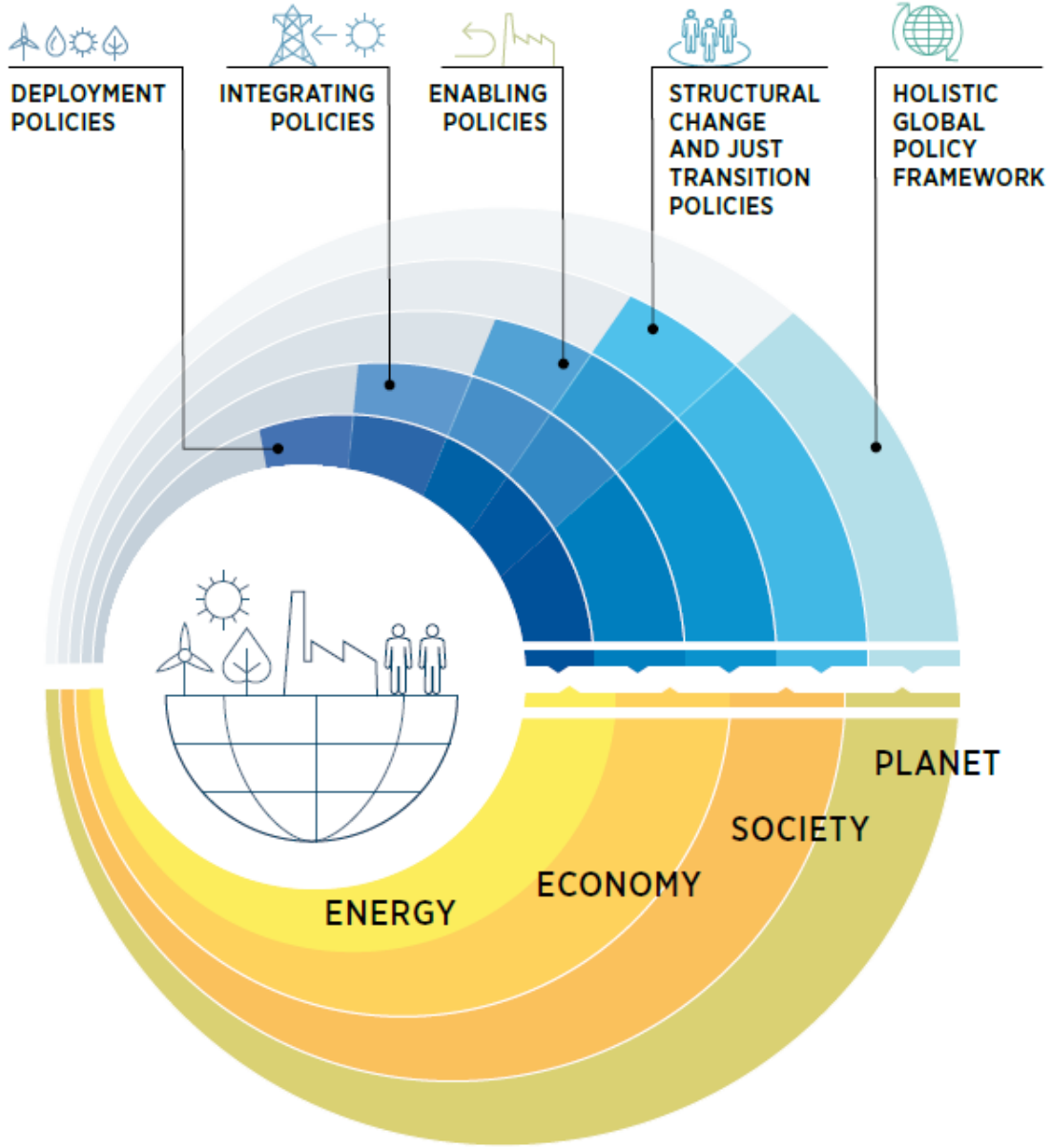
★ **Power Market design**

★ **Renewable jobs**

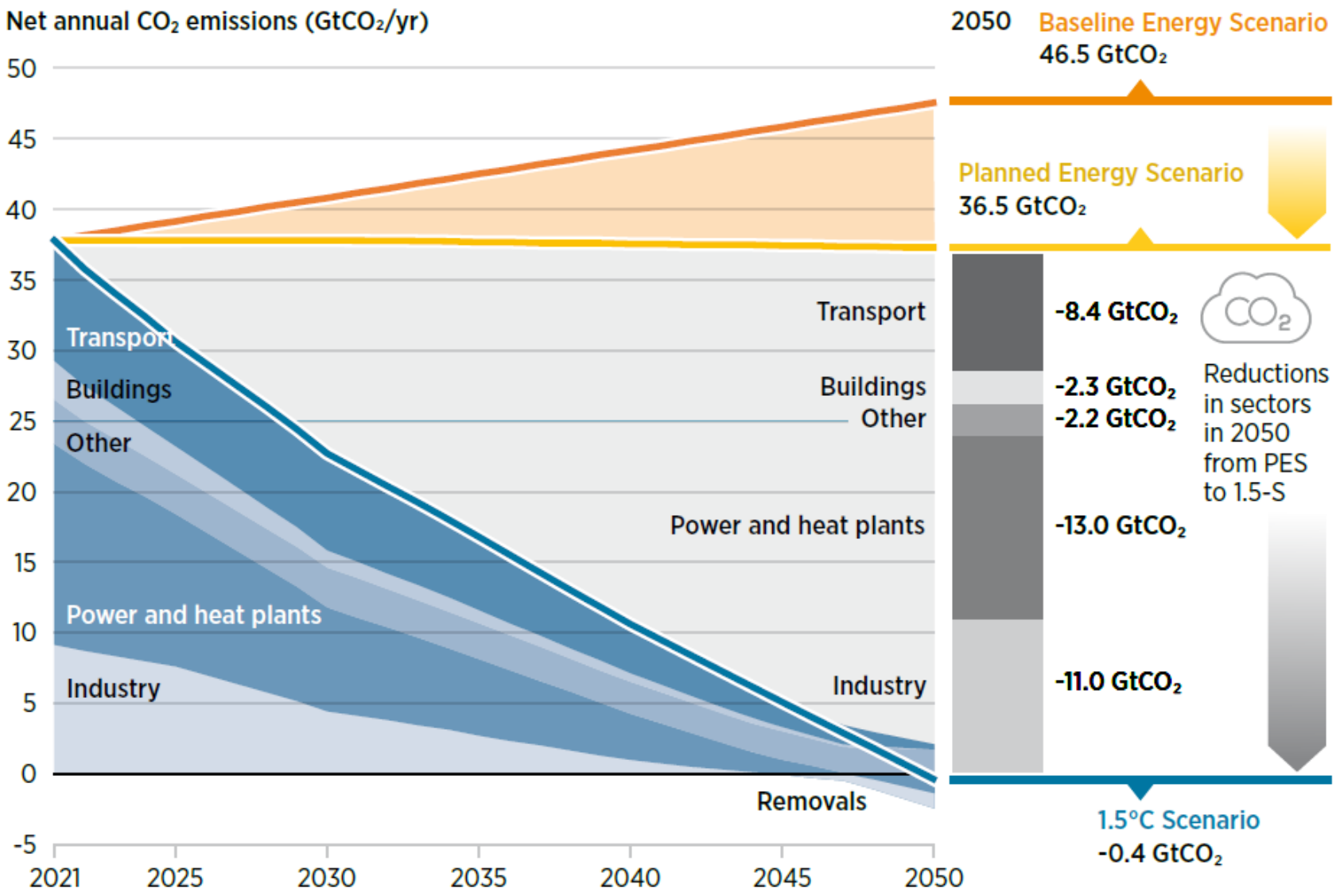
2016 *2017* *2018* *2019* *2020* *2021*

https://www.irena.org/publications

System dynamics requires an holistic policy framework

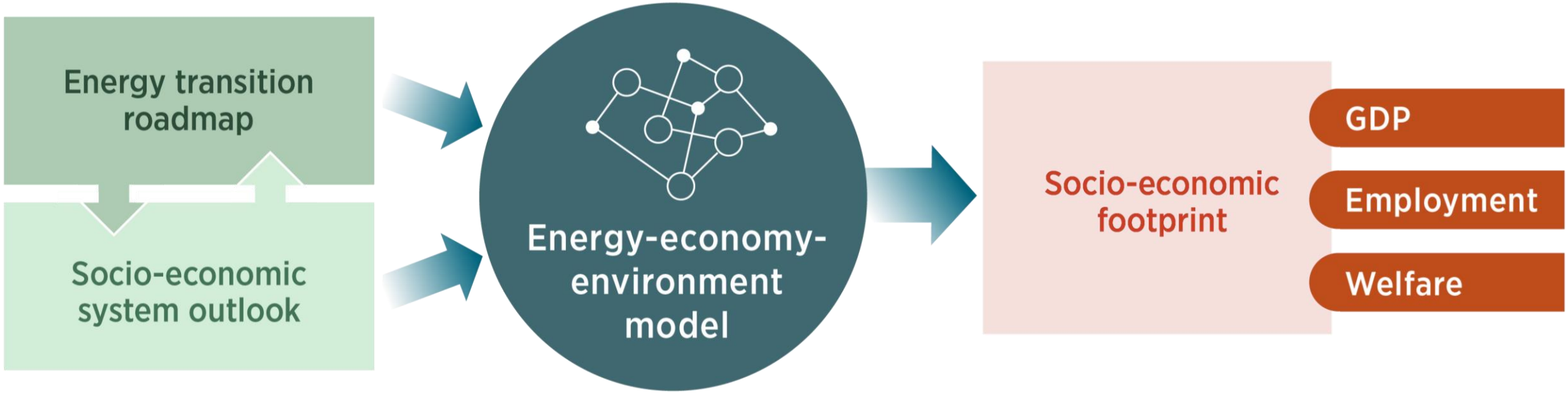


Climate change: Fast and deep transformation needed



The socio-economic footprint of the energy transition

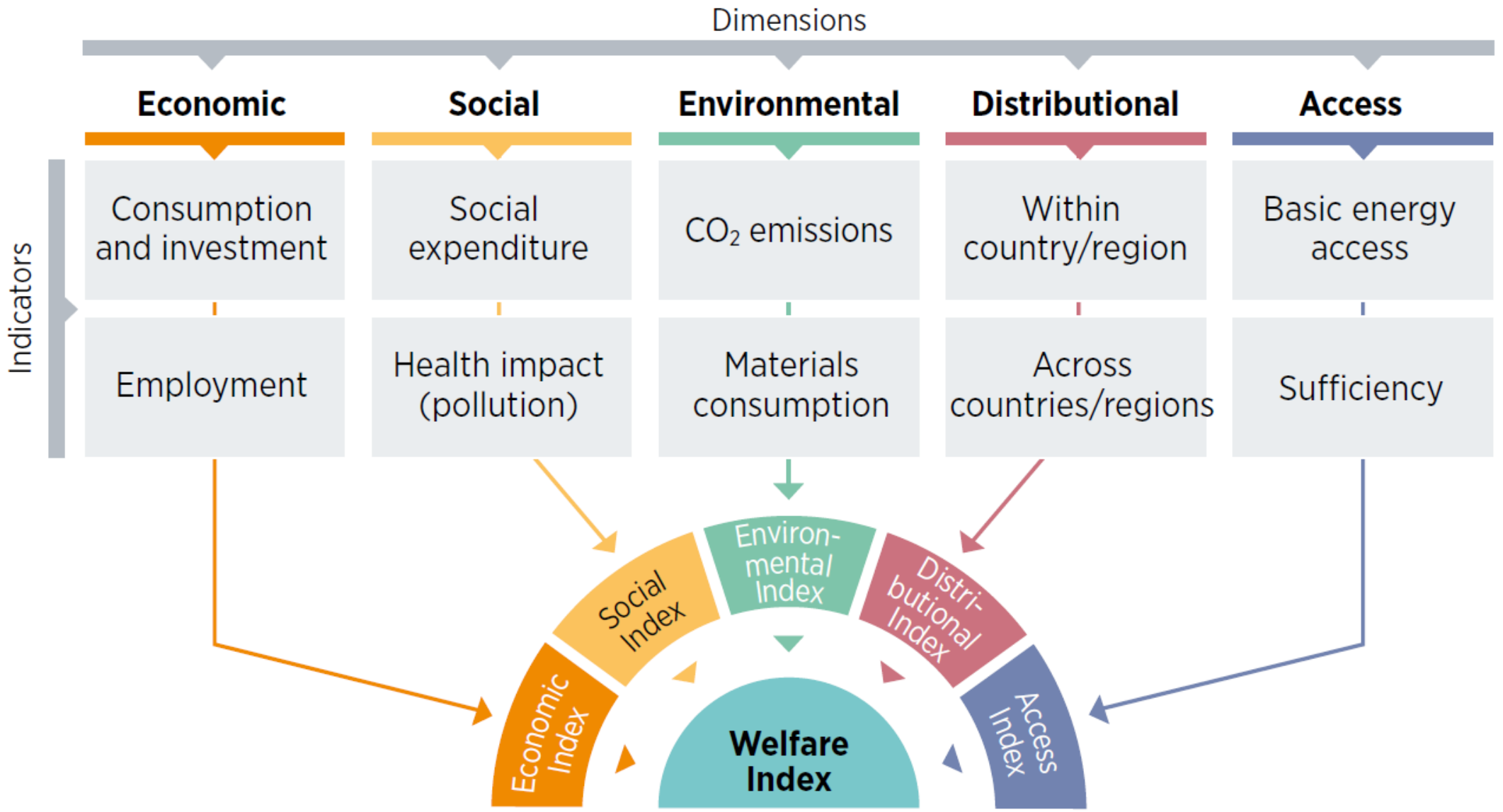
Roadmaps/scenarios exist only on paper.
Advancing a sustainable and resilient transition requires gaining insights on systemic outcomes



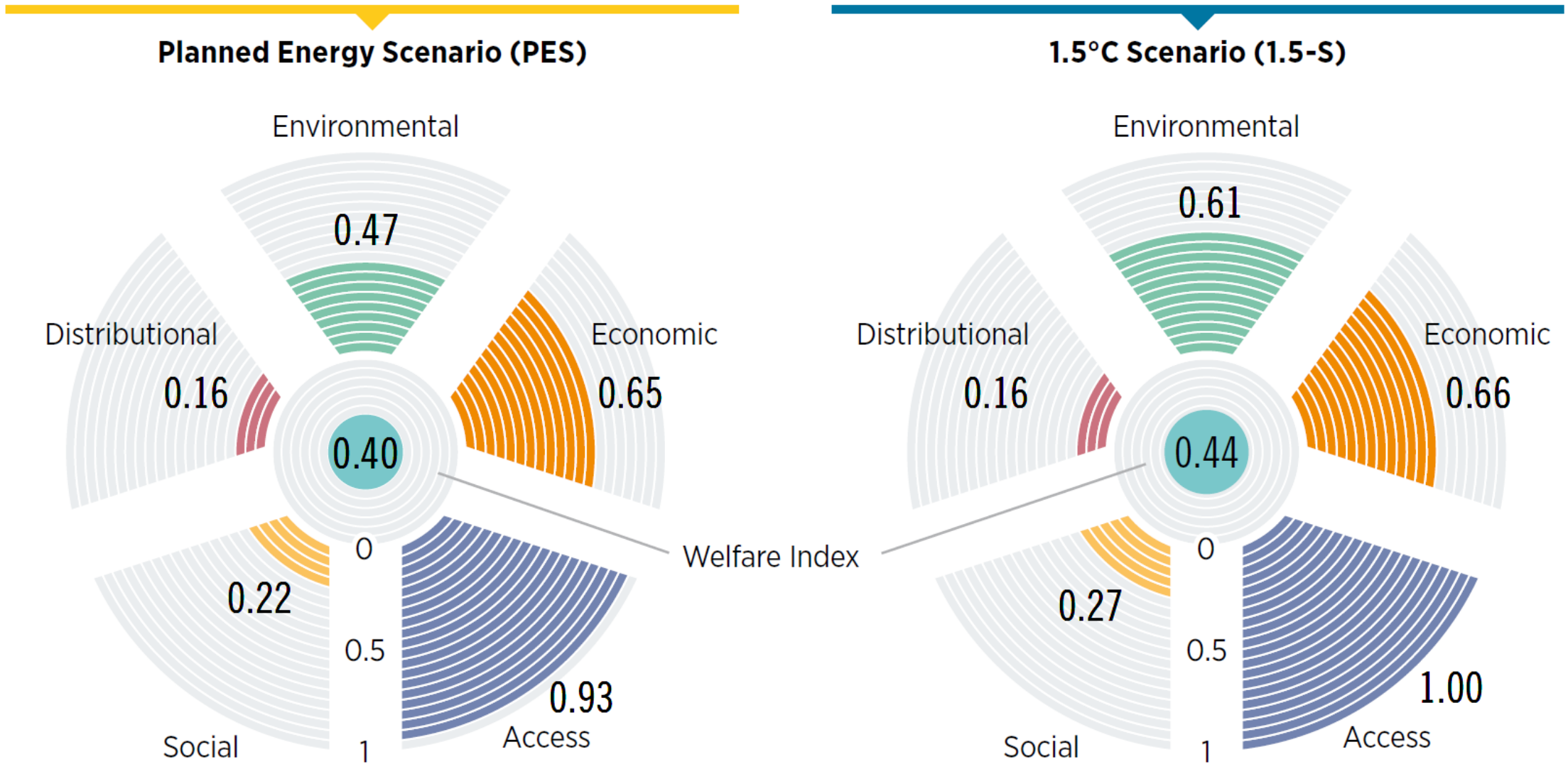
Enabling the transition and unlocking its potential requires gaining insight and fostering synergies between the energy and socio-economic systems.

Transition planning must look beyond the energy system and address the structural socio-economic aspects upon which sustainability and resiliency depend.

IRENA's Energy Transition Welfare Index



Welfare: multidimensional footprint



WETO 2021

Need for a *global* and systemic vision linked to *local* realities

- Global challenges
  - Climate change
  - Resource depletion / Biodiversity loss
  - Inequalities
- Systemic elements
  - Structural socioeconomic drivers
  - Strong feedback loops

Stand-alone, country-level or regional sustainable and resilient transitions do not exist

Need for global transition insights with regional resolution and systemic scope

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Thank you!

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