

Long-term Energy Scenarios and Low-Emission Development Strategies: Aligning energy and climate planning

9 September 2024



Introduction: Energy and climate planning alignment

Relevance of the topic

- Growing interdependence between energy and climate policy fields makes alignment between energy and climate planning a priority topic for many countries.
- Focus is shifting from planning to implementation, where misalignments can become a practical hurdle.

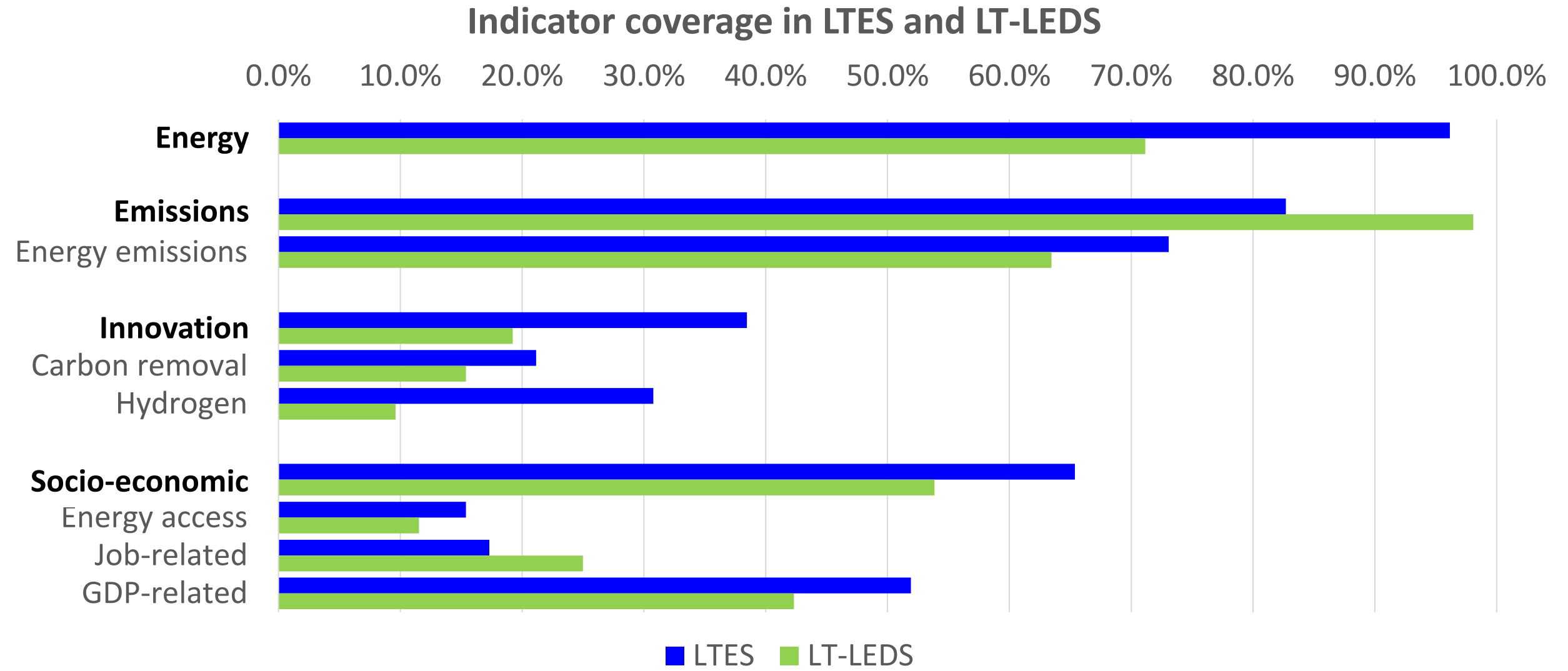
Purpose of the IRENA analysis on energy and climate planning

- Mapping out energy and climate planning alignment in individual countries and providing practical examples to improve alignment.
 - Analysis of institutional alignment and comparison of quantitative content, and stocktaking of financial information in energy and climate planning documents.
 - Featuring best practice cases with examples.



Availability of energy transition data in LTES and LT-LEDs

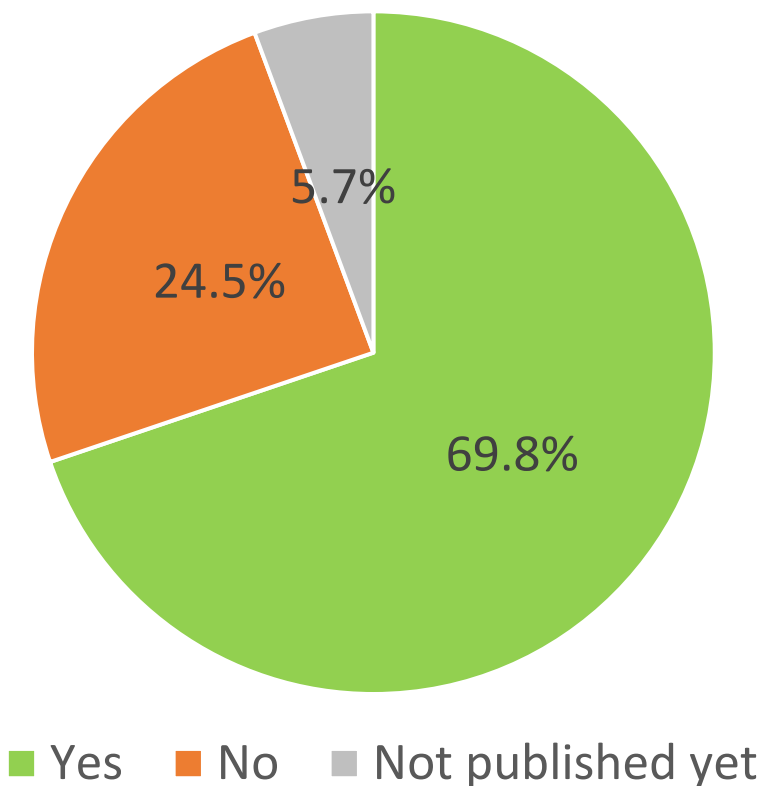
Energy and emission data well-covered, innovation and socio-economic data not.



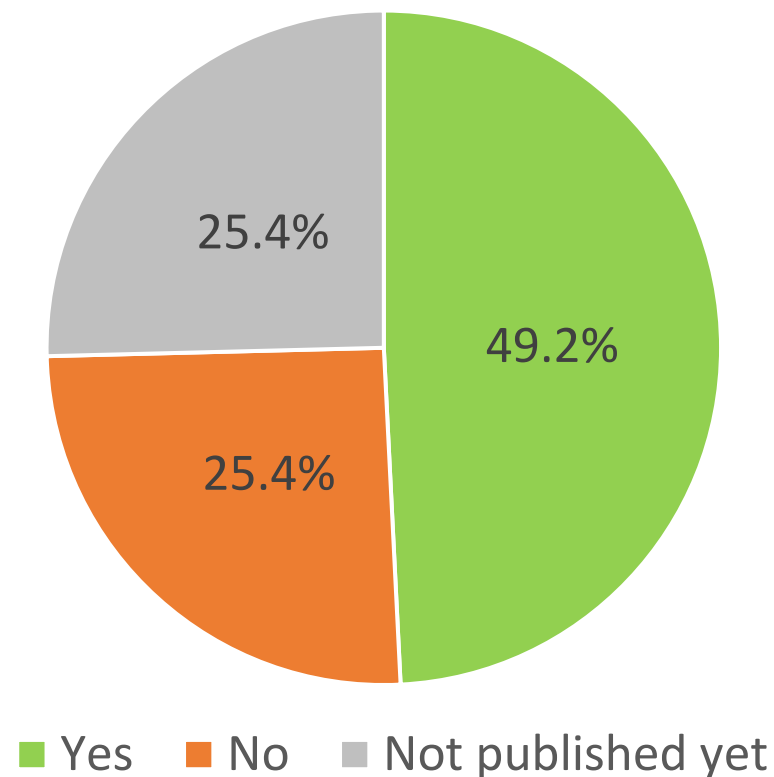
Mutual referencing of the other plan

A quarter of plans don't mention each other, risking policy misalignment.

Has the climate plan
mentioned the energy plan?



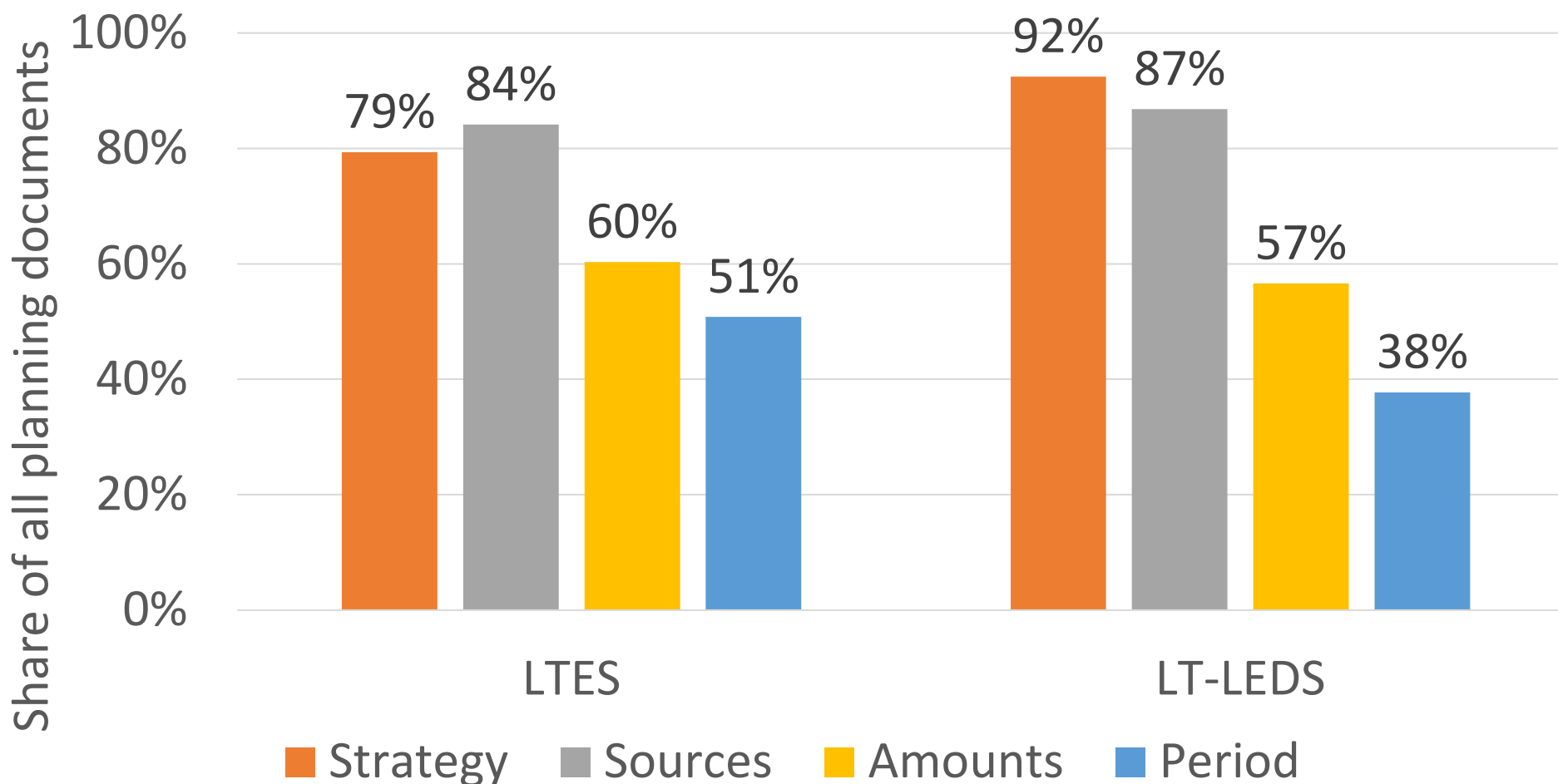
Has the energy plan
mentioned the climate plan?



Stocktaking of financial information in planning documents

LTES and LT-LEDs contain similar data, but LTES tend to be more detailed.

Financial information in LTES and LT-LEDs



Conclusions and recommendations



Better **data availability** on energy transition indicators is needed, especially in LT-LEDs.



Need for better **intragovernmental coordination** as a quarter of energy and climate plans aren't mentioned at all in their counterpart.



More **engagement with financial actors** during the planning process can benefit the availability of financial data in the plan and can help securing necessary funding.



Examples of **best practice cases** from around the world are available.

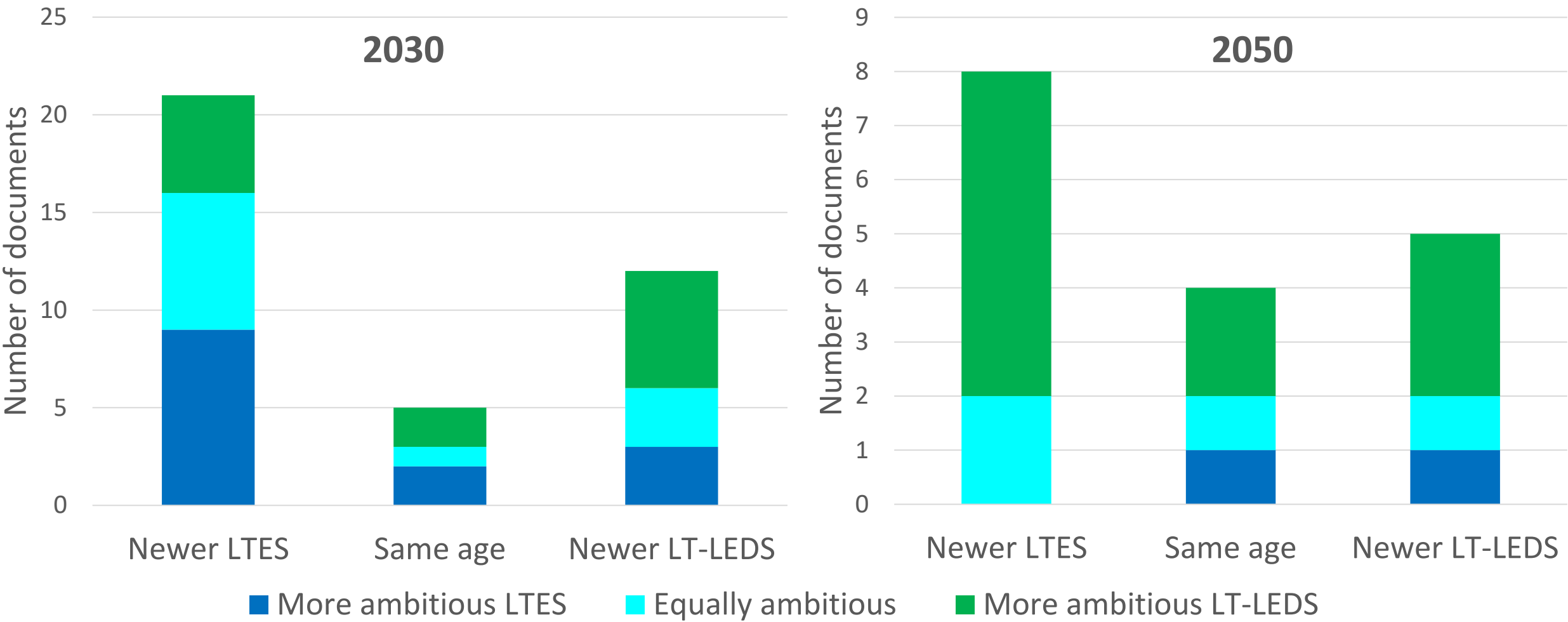
Thank you!

Back-up

Ambition levels in LTES and LT-LEDs

Newer plans logically raise ambition, but results suggest this is not guaranteed.

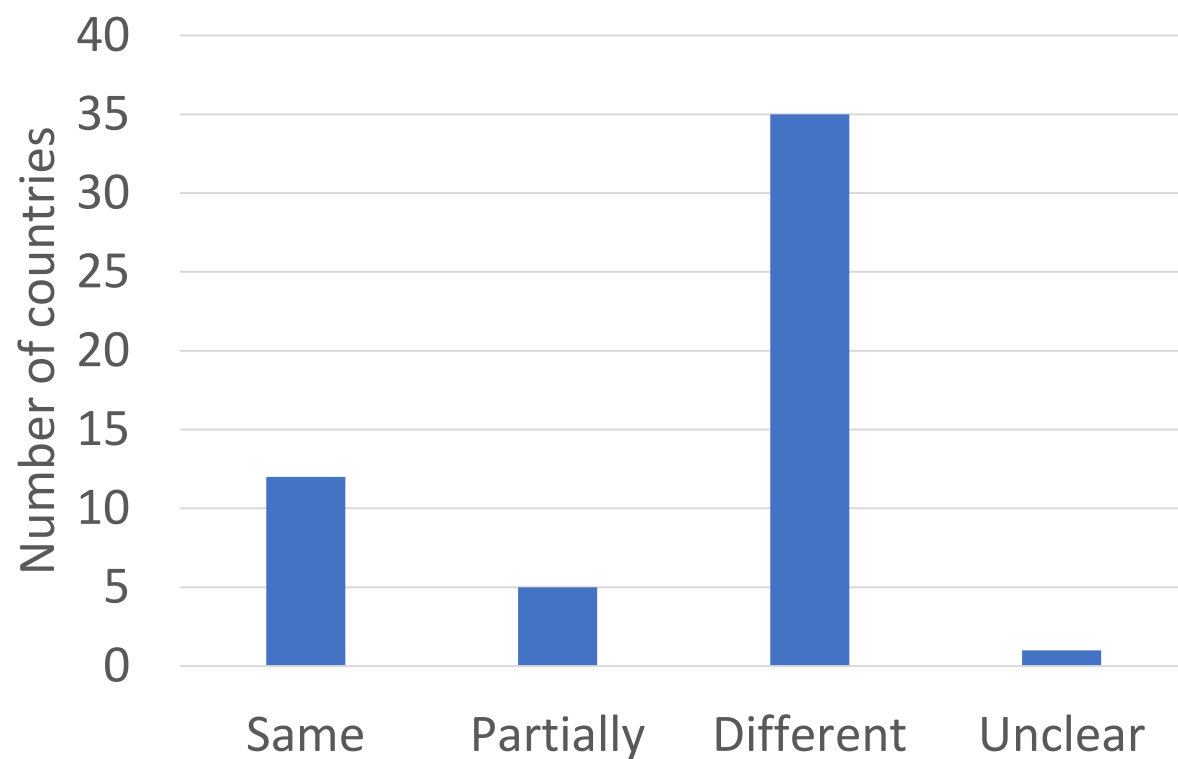
Document age and ambition in 2030 and 2050



Institutional alignment: Publishers and modelling tools

LTES and LT-LEDS are typically have different development approaches.

Publishing institutions of LTES and LT-LEDS



Modelling tools in LTES and LT-LEDS

