

# Carbon Transparency Initiative

Highlighting progress toward building a low carbon future

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# Carbon Transparency Initiative

Highlighting progress toward building a low-carbon economy through analysis of the driver metrics underpinning decarbonization.

## METHODOLOGY



### Trends and forecasts

Learning from historic trends while also forecasting technological, policy and economic shifts underway



### Leading Indicators

Both a sector and region analysis of driver and outcome metrics allows a view into the drivers of decarbonization



### Transparency

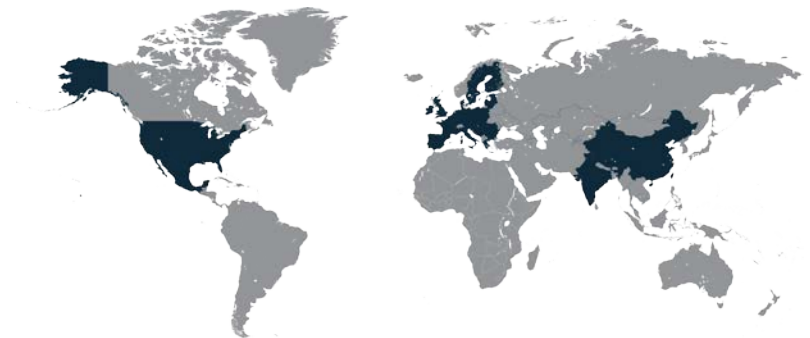
Data, assumptions and calculations are open and transparent, addressing many of the pitfalls of “black-box” calculations

## RESEARCH PARTNERS

Bloomberg New Energy Finance, Climate Action Tracker, International Council on Clean Transport, International Energy Agency, McKinsey, World Resource Institute and Regional Foundations EF-USA, EF-China, ECF, and LARCI

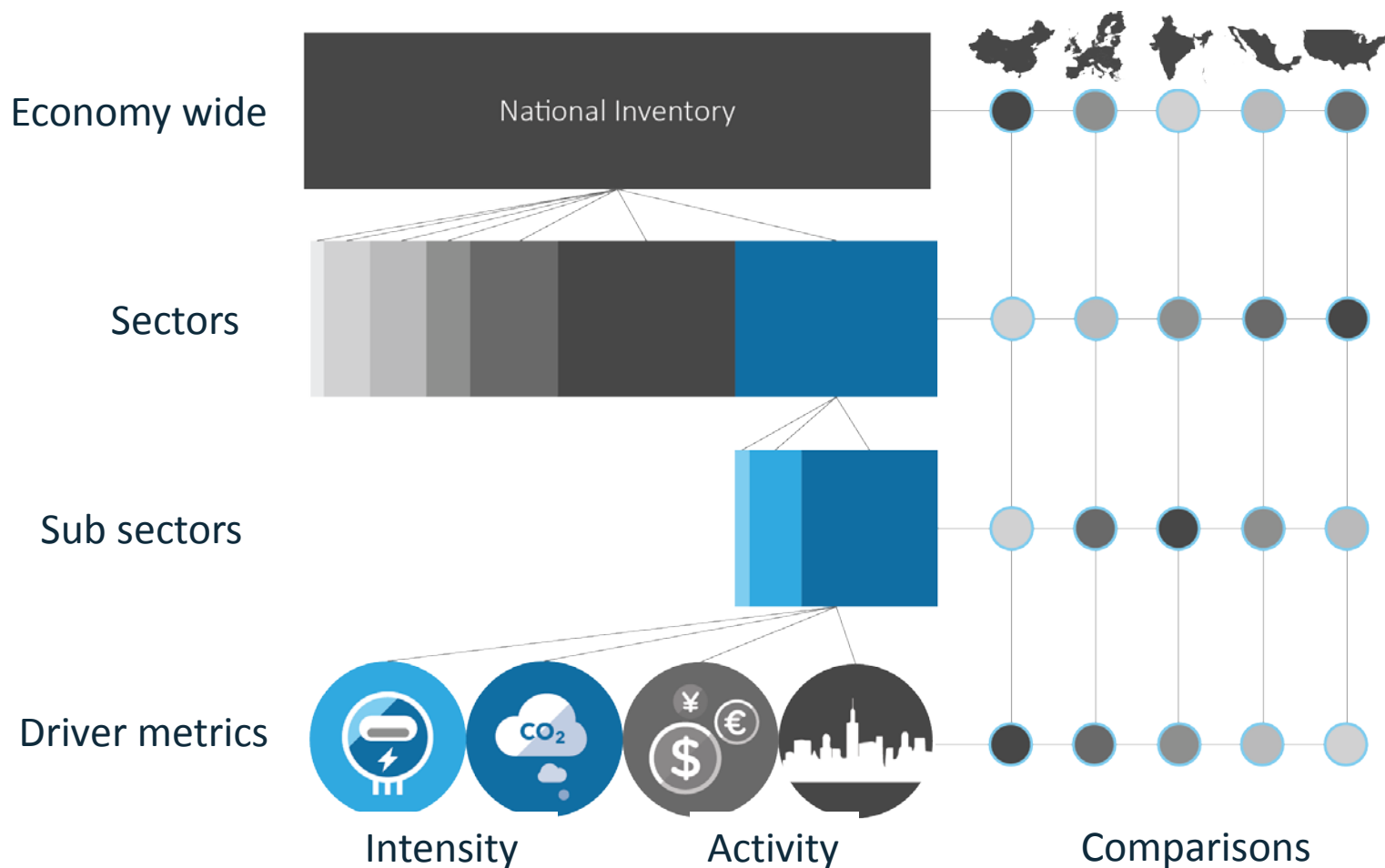
## PEER REVIEWERS

Instituto Nacional de Ecología y Cambio Climático, Lawrence Berkeley National Laboratory, Grantham Institute, Stockholm Environmental Institute, Council on Energy, Environment and Water, and California Environmental Associates



# A bottom-up assessment of emissions and energy

The model constructs a national inventory of emissions from sector-based activity and intensity metrics., allowing for comparisons at all levels.



# Example: Tracking a decline in power sector carbon intensity



Driven by a rapidly increasing penetration of renewable energy, and a partial switch from coal to gas generation.

Emission Factors: Four regions compared to a global 2°C pathway (gCO<sub>2</sub>e/kWh)

