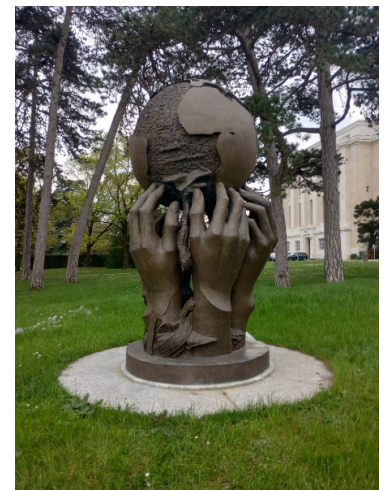


The emerging role of the statistical community in providing BTR-related data



Arthur Denneman; Statistics Netherlands (a.denneman@cbs.nl)

12th Meeting of the UNSD Expert Group on Environment and Climate Change Statistics
Session 5: Climate change data collection and BTR submissions
23-25 September 2025, London, United Kingdom (in-person and hybrid)

UNECE meeting in Geneva (September 1-3, 2025)

Data for Climate Action; 13th Expert Forum for Climate Change-Related Statistics

Tuesday, 2 September 2025	
Session III: Biennial Transparency Reports	
Session chair: Arthur Denneman, Statistics Netherlands	
09:30 - 10:40	Session introduction Biennial Transparency Reports Lornaliza Kogler, UNFCCC NSO contributions to BTRs and COP: Insights from a peer learning exchange Karina Cázarez, PARIS 21 Dutch approach to BTR reporting Jorieke Rienstra, RVO Netherlands
10:40 - 11:00	Coffee break
11:00 - 11:40	Biennial Transparency Report of Azerbaijan (pre-recorded) Emil Mammadov, State Statistical Committee of the Republic of Azerbaijan Climate Change Statistics Roadmap (2020-2025): Armenia Naira Mandalyan, Statistical Committee of the Republic of Armenia
11:40 - 12:30	Discussions on strengthening the role of NSOs to provide Data for Climate Action
12:30 - 14:30	Lunch break
14:30 - 14:40	Wrap up of the discussion



Presentations: see <https://unece.org/info/events/event/398479>

UNECE session on BTRs: Conclusions

1. Important: Mapping of BTR indicators (mitigation & adaptation) to **UNSD Global Set indicators**
2. **National Statistical Organizations can play a crucial role** as coordinator, co-author, and/or main contributor in Paris Agreement reporting, dependent on which (micro)data NSO holds
3. a) Statistics (and **data stewardship**) are needed to describe the complex NDC policy context
b) More deepening and practical guidance are needed for **emerging BTR-topics** like tracking NDC progress, impacts/adaptation, and climate finance & other support
4. **ROADMAP** strategic (PLAN) operational (SETUP) data process (TRACK)
5. Managing statistical/scientific/policy **SKILLS** is essential in Paris Agreement reporting



First draft mapping of BTR indicators to Global Set

Indicators reported in BTRs	UNSD Global set of indicators
Total net GHG emissions	Total GHG emissions per year
Percentage of forested area	Forest areas as a proportion of total land area
Energy consumption from fossil sources	Final energy consumption
Percentage of renewable energy in Electricity/power demand	Renewable energy share in the total final energy consumption
Share of non-fossil fuels (in primary energy consumption)	Non-fossil fuel energy consumption as a proportion of final energy consumption
Policies and measures associated with low-emission development strategies, plans or actions	Low-carbon development strategies and plans
Total GHG removals in Forestry sector	Greenhouse gas removals (carbon sequestration)



Institutional setups supporting NSO participation in BTRs

Roles

Mechanisms Associated to Support NSO Engagement



Coordinator and Compiler

Statistics **Finland** is the national entity for the GHG inventory, responsible for quality management and UNFCCC communications.

- Gov. **Resolution** (2003): established role.
- Climate Change **Act** (2015): mandated responsibility for UNFCCC & EU reports.



Co-authors

State Statistical Committee (SSC) of **Azerbaijan** sits on the national climate commission and plays a leading role in coordinating and implementing climate-related work.



Main Contributors

National Institute of Statistics (INE) of **Honduras** co-leads, with the Ministry of Natural Resources and Environment, the Statistical Committee on Climate Change and Environment.



Collaborators and Key Data Sources

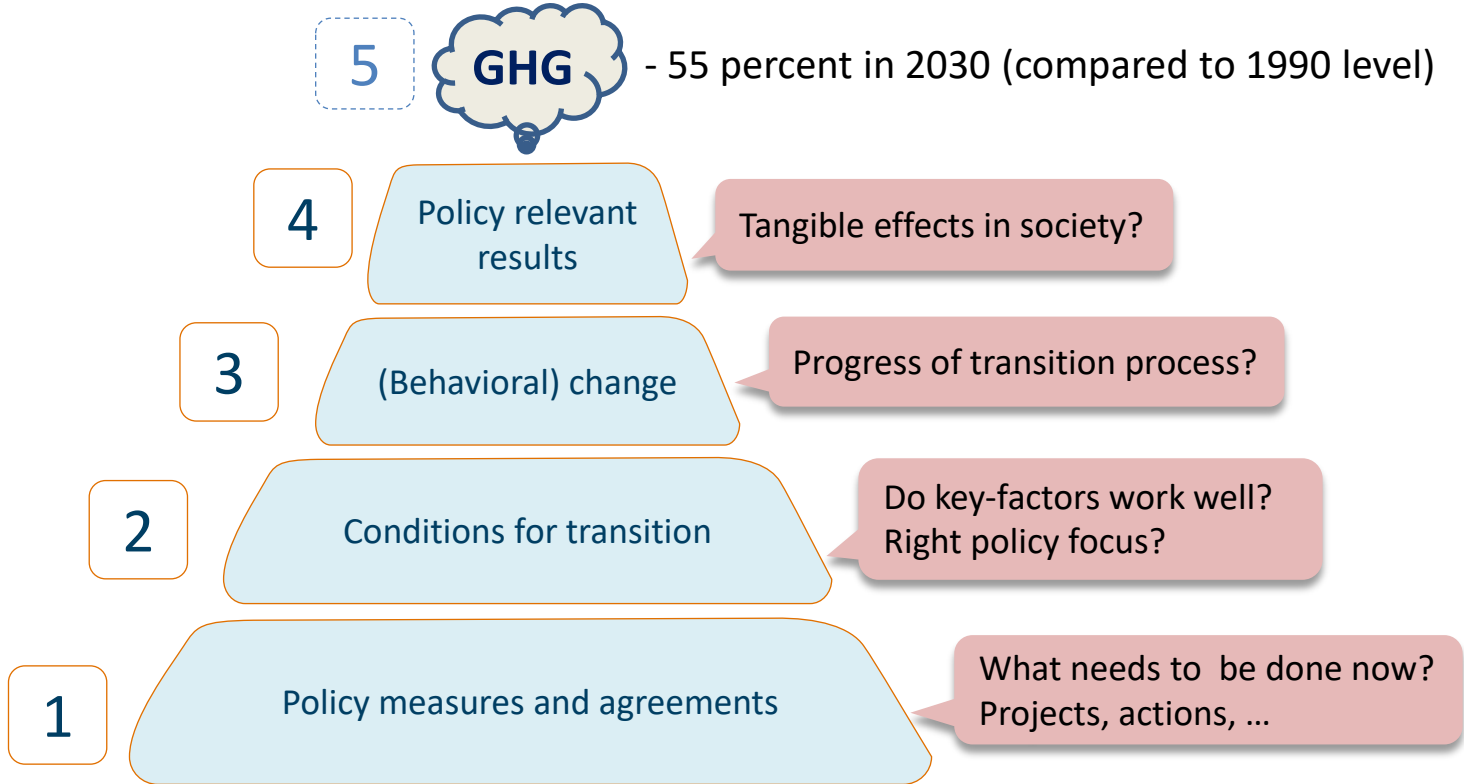
National Statistics Agency (NSA) of **Namibia** is part of the Technical Working Group that prepared the BTR and will operate the new Monitoring reporting and verification (MRV) system for GHGs.



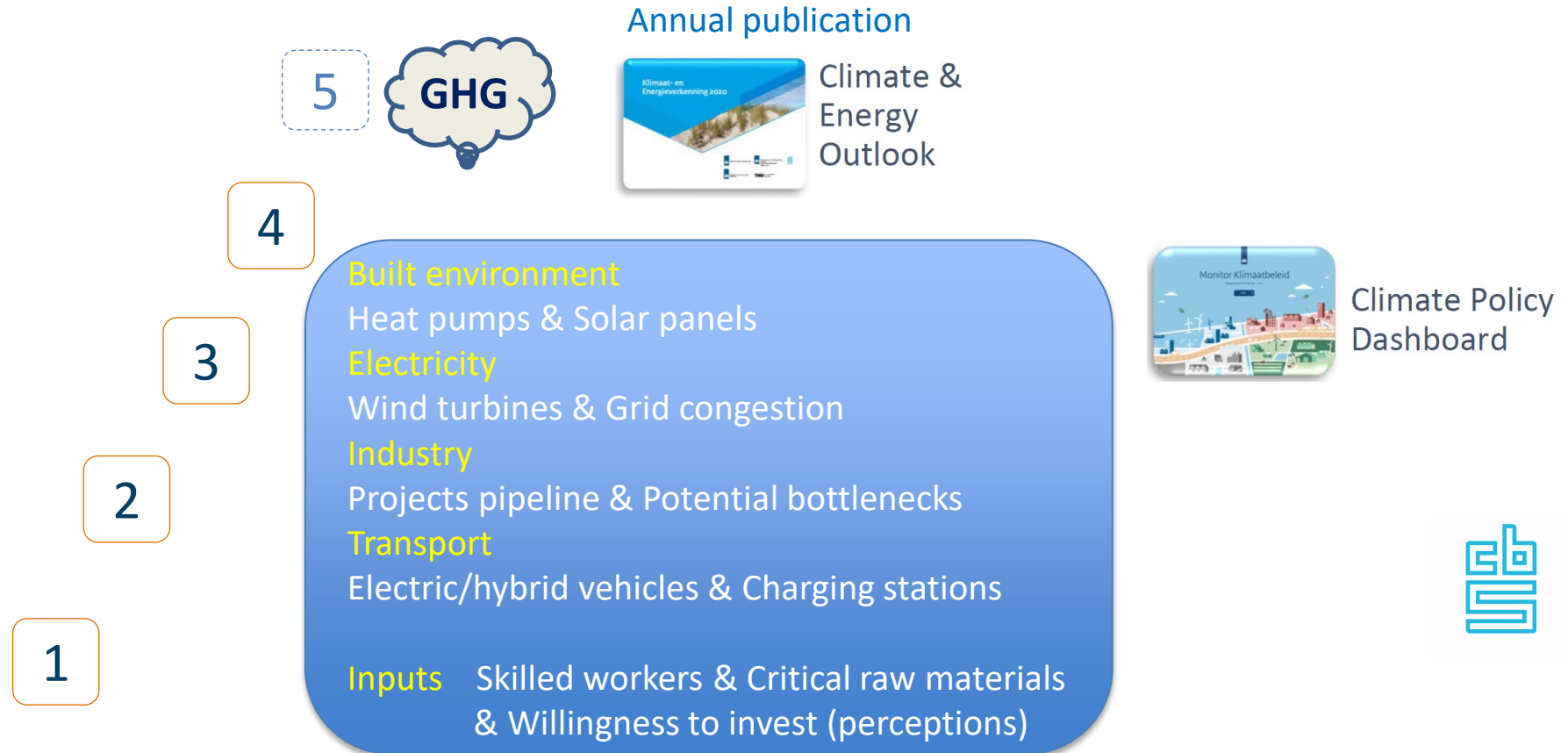
Cited as Data Sources

In many BTRs NSOs are referenced as data sources

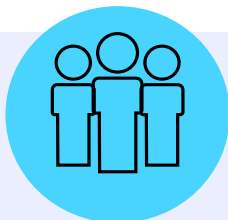
Tracking progress of NDC targets in the Netherlands



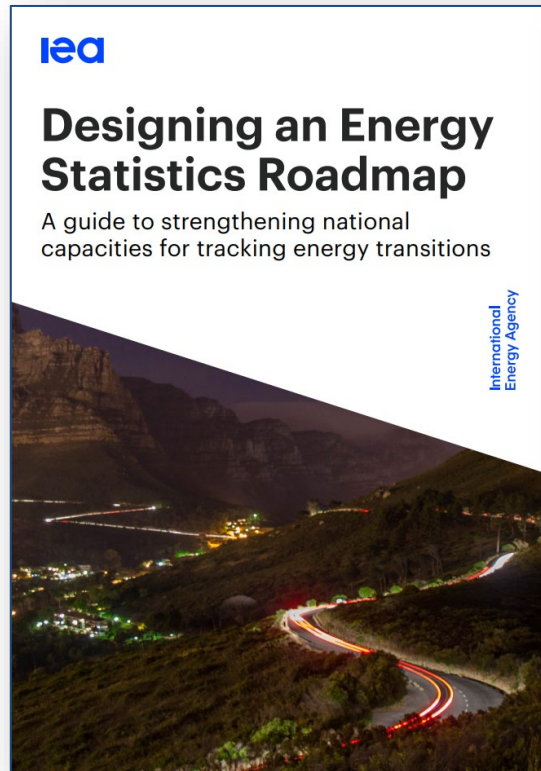
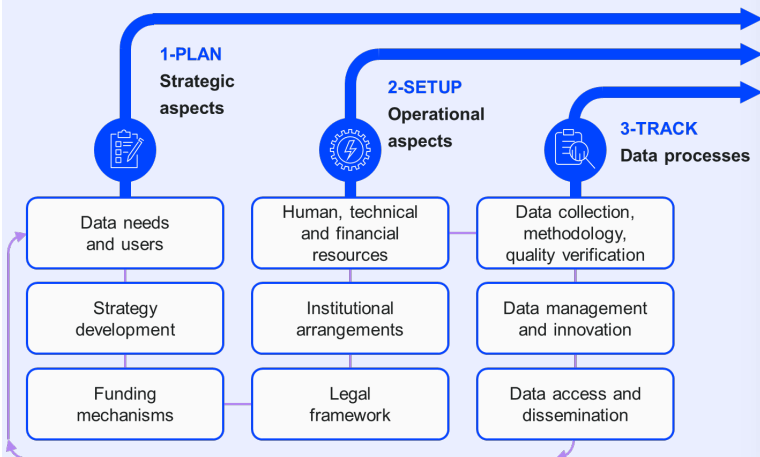
Tracking progress of NDC targets in the Netherlands



The IEA framework for developing national energy statistics



Based on IEA's **international collaborative experience**, including a **consultation** of several country data experts worldwide



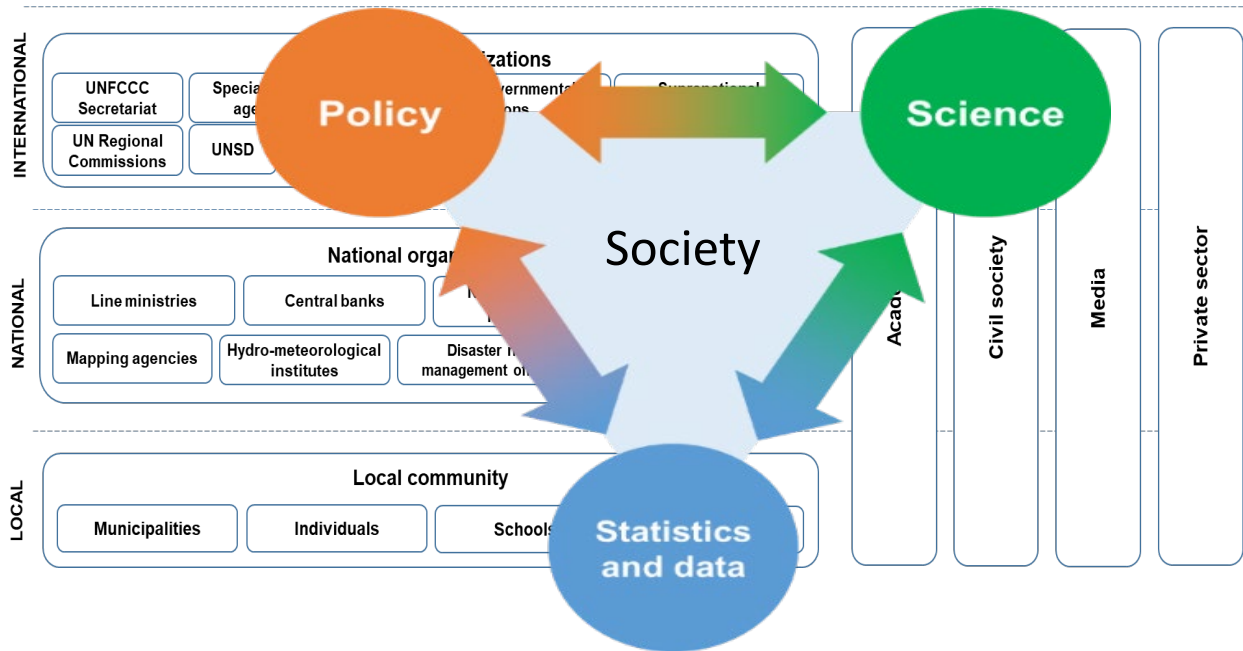
<https://www.iea.org/reports/designing-an-energy-statistics-roadmap>



Managing SKILLS is essential in Paris Agreement reporting

2 (1.5)-degrees goal, adaptation goal and finance goal

Policy goals (e.g. reduction of 55% in 2030)



Complex playfield

Questions?

