Climate change: from policy to statistics
Mr. Vlad Trusca, UN Climate Change (UNFCCC Secretariat)
UNSC-52 Side event: Towards the Global Set of Climate Change Statistics and Indicators, 19 Feb. 2021
Introduction

Who we are?
**UNFCCC - UN Climate Change**

- **UNFCCC** - United Nations Framework Convention on Climate Change, 1992
- **Kyoto** Protocol, 1997 & Doha Amendment, 2014
- **Paris Agreement**, 2015

“It is absolutely essential that countries commit themselves to increase what was promised in Paris because what was promised in Paris is not enough”

UN Secretary General, Antonio Guterres, Aug. 2019
Mandates

- Negotiations & intergovernmental process
- Support, training, capacity building
- Analysis of info & data

- Nationally Determined Contributions (NDCs)
- Transparency reports - reporting, review & multilateral consideration
- Adaptation Communications
- Finance, technology & support information
- Project based mechanisms (CDM)
Paris Agreement

Objective
Strengthen the global response to the CLIMATE CHANGE CRISIS

Long-term temperature goal (2°C/1.5°C)  Climate resilient and low emissions development  Financial flows

Action
* Adaptation  * Mitigation

Means of implementation
* Finance  * Tech dev. & transfer  * Capacity-building

Accountability (individual and aggregate level)
* Transparency of action and support  * Global stocktake (ambition mechanism)  * Facilitating implementation and promoting compliance
Paris Agreement Work Programme (2018)

- Rulebook for Paris Agreement
- Basis to implement the agreement **consistently**
- **Balance between topics** (mitigation, adaptation means of implementation, finance, transparency)
- **Differentiation** between countries - **flexibility**
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Transparency

- Enhanced Transparency Framework (Art. 13 PA)
  - builds mutual trust & promotes effective implementation
  - provides flexibility based on Parties’ different capacities
  - builds upon collective experience of current MRV

1. Transparency of action - incl. tracking progress of NDCs and adaptation actions

2. Transparency of support - aggregate financial support provided and received
Transparency

- GHG inventory
- Progress with NDC
- Support provided
- Support needed & received
- Adaptation

Review
- Consistency of information reported
- Consideration of progress with NDC & of support provided
- Identification of improvements
- Identification of capacity building needs

Multilateral Consideration
- Online Q&A
- In session presentation & live Q&A
Adaptation

UNFCCC is the primary international, intergovernmental forum for negotiating the global response to climate change.
Main channels for information on Adaptation

1999: National communications of developed countries
- Vulnerabilities, impacts, risks
- Intended adaptation efforts
- Implementation of adaptation
- Support provided, including for adaptation
- Adaptation-related research

2002: National communications of developing countries
- National circumstances, institutions, frameworks, development
- Vulnerabilities and associated methods
- Intended adaptation efforts
- Implementation of adaptation
- Barriers, challenges, gaps
- Monitoring and evaluation
- How support meets needs
- Adaptation-related research

2015/2018: Adaptation communications
- National circumstances, development
- Vulnerabilities, impacts, risks, methods
- Loss and damage
- Intended adaptation efforts
- Implementation of adaptation
- Barriers, challenges, gaps
- Monitoring and evaluation
- How support meets needs
- Cooperation, lessons learned, etc.
- Adaptation-related research

2015/2018: Biennial transparency reports
- National circumstances
- Vulnerabilities, impacts, risks
- Intended adaptation efforts
- Implementation of adaptation
- Barriers, challenges, gaps
- Monitoring and evaluation
- Needs
- Support provided
- Link with other frameworks
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Implications
How is policy linked with statistics?
Process

Countries to establish and report on their:

- National entity **responsible** for GHG inventory
- GHG inventory **preparation process**, incl. division of responsibilities by institutions to ensure activity data collection, choice of methods based on the IPCC guidelines
- **Archiving** of data for entire time series
Methodology

Countries are expected to:

- Use the **2006 IPCC Guidelines** (based on territory principle) & subsequent versions/refinements

- Account for **GHG emissions in sectors**: Energy; Industrial Processes; Agriculture, Forestry and Other Land Use (AFOLU); Waste & Other

- Use **official statistical information**, but also extra/intra-polation & other IPCC techniques to **estimate missing values**
Institutional Arrangements

Countries to establish and report on their:

- Formal or informal **institutional, legal and procedural** arrangements
- **Roles and responsibilities** in preparing the inventory, incl. the **designated agency**
- Specificity of **national circumstances**
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Tools
How we manage data?
## GHG Data Interface

### GHG Profiles - Non-Annex I

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[http://di.unfccc.int/](http://di.unfccc.int/)
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Cooperation


- Statistical Commission requested UNFCCC and UNSD to:
  - undertake joint initiatives in developing CC statistics
  - encourage joint capacity building efforts and trainings
  - explore ways to encourage NSOs to be more involved in the preparation of data submissions to UNFCCC

- Many activities with UNSD including events, Expert Group on Environment Statistics and especially the preparation of the Global Set of Climate Change Statistics & Indicators

- New Report on Climate Change Statistics to the 52nd session of UN Statistical Commission (2021)
Next Steps

Parties to negotiate by end 2021 (COP 26, Glasgow):
- Common reporting tables for national GHG inventories
- Common tabular format tables for tracking NDC progress
- Common tabular format tables for finance (support)
- Training programme for the technical experts

Transitional period - 2 systems (MRV and ETF) in parallel

Supporting developing countries to implement ETF

Transitioning IT systems, training programmes and supporting Parties to operationalize the ETF
Conclusions

- Countries submit a large amount of data on national activities - publicly available on UNFCCC website
- Data needed from NSOs is complex and require expertise & resources
- Understanding the link between statistics and climate change data for accurate reporting
- Enhancing cooperation between NSOs & national authorities reporting climate change
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