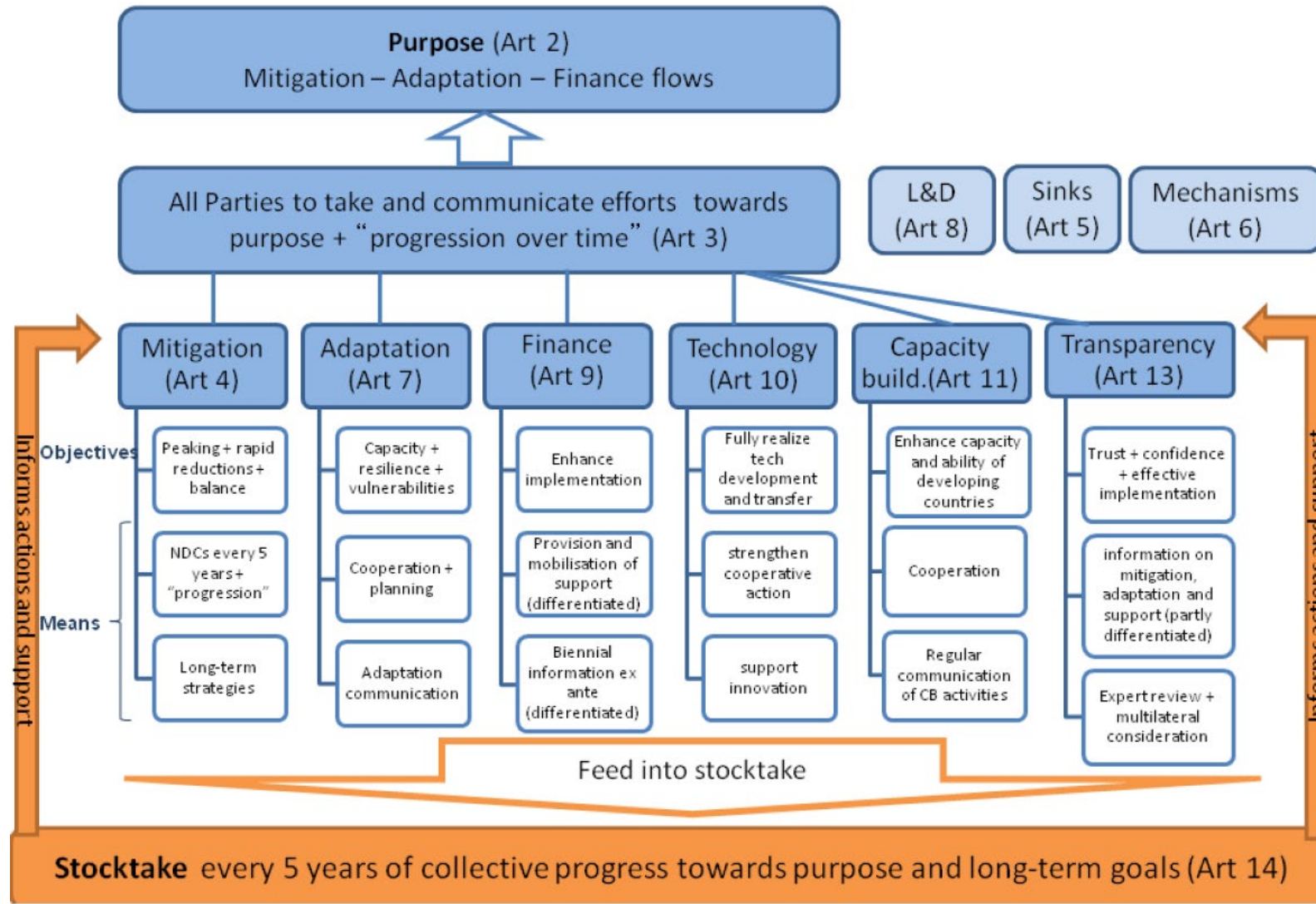


# How can GCOS contribute to the UNFCCC, including for the GST?

28th GCOS Steering Committee  
Joanna Post, UNFCCC secretariat



## What is the structure of the Paris Agreement and its main Articles?

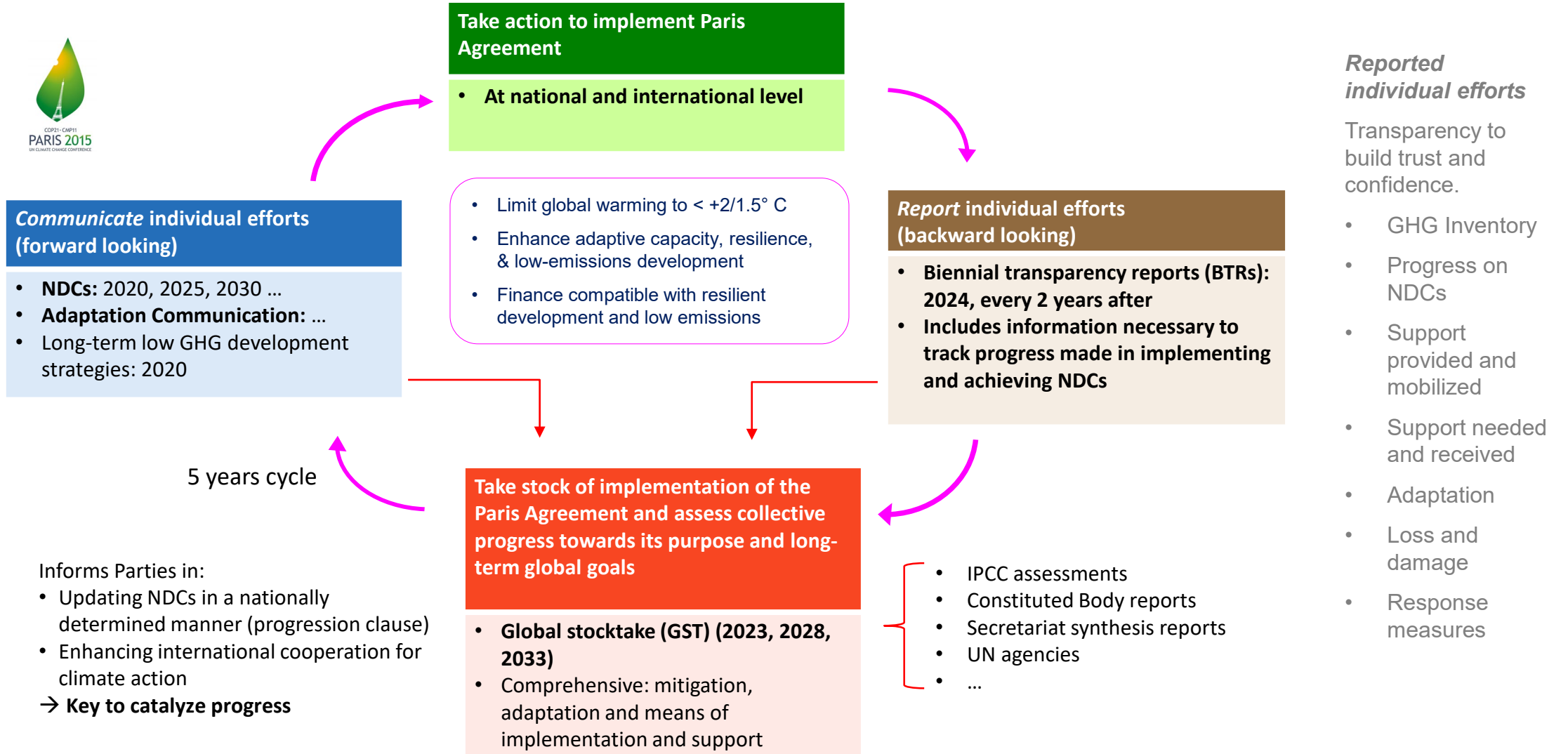


Source - The Paris Agreement: Analysis, Assessment and Outlook



**Paris Agreement - an ambitious game changer!**

# The “ambition” cycle of the Paris Agreement



Observation / ECVs / Climate services vital to support the Paris Agreement bottom-up, pledge and review architecture

The global stocktake – an anchor for the ambition cycle to bring it all together



COP24 · KATOWICE 2018  
UNITED NATIONS CLIMATE CHANGE CONFERENCE

### Mitigation

- Overall effects of NDCs
- State of GHG emissions and removals and mitigation efforts undertaken by Parties

### Adaptation

- State of adaptation efforts, support, experiences and priorities

### Finance flows and means of Implementation and support (MoI):

- Finance flows and financial support
- Technology
- Capacity-Building

### Efforts on:

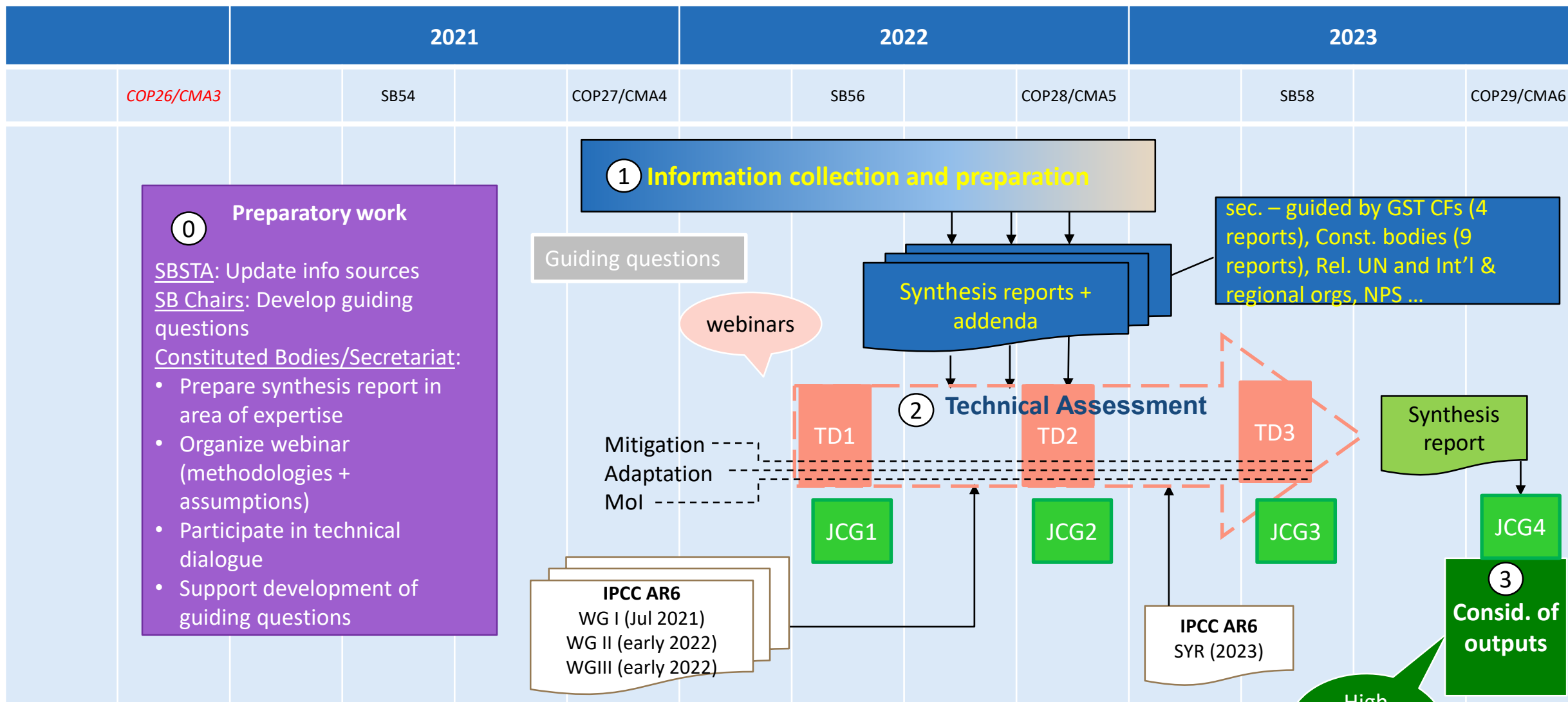
- Social and economic consequences of response measures (under mitigation)
- Adverting, minimizing and addressing loss and damage (under adaptation?)

### Inputs on equity

- Fairness consideration including equity as communicated by Parties in their NDCs



What are the modalities of the GST and the timeline?



The global stocktake – flexible modalities that build on the successful 2013-15 periodic review!

High level event(s)

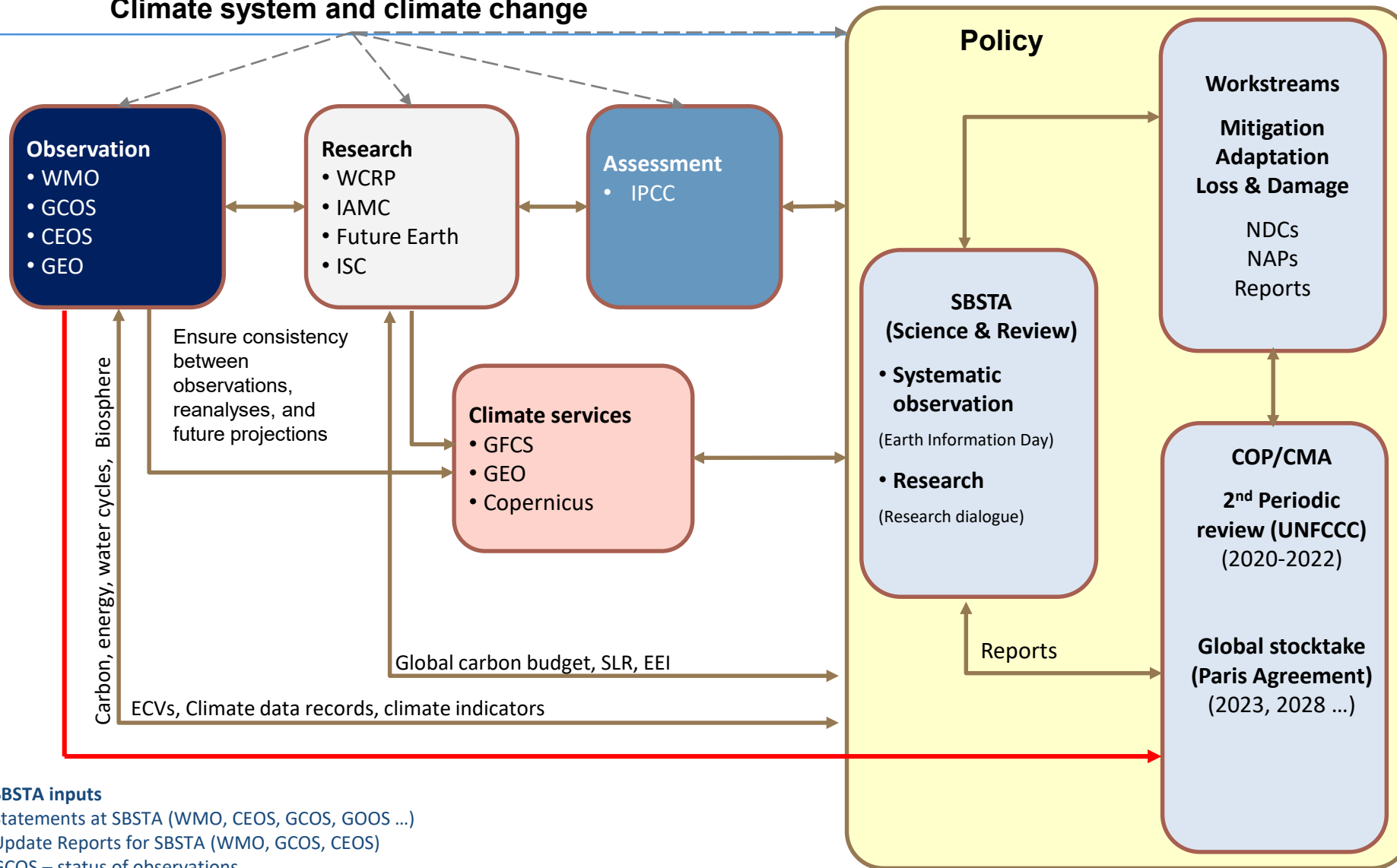


- Information for the GST to be **collective/aggregate** – no individual/ group of Parties information
- Both **backward** (reported) and **forward** (communicated) looking
- Tied to the GST thematic areas
- **Lists**: information sources (where) and the information (types) needed
- SBSTA to **complement lists one session before the GST-ICP**

- Information **providers** to include:
  1. Parties (voluntary and mandated)
  2. IPCC
  3. CBs/forums
  4. UN agencies
  5. NPS and UNFCCC observers organizations
  6. Regional groups and institutions



Climate system and climate change



**SBSTA inputs**

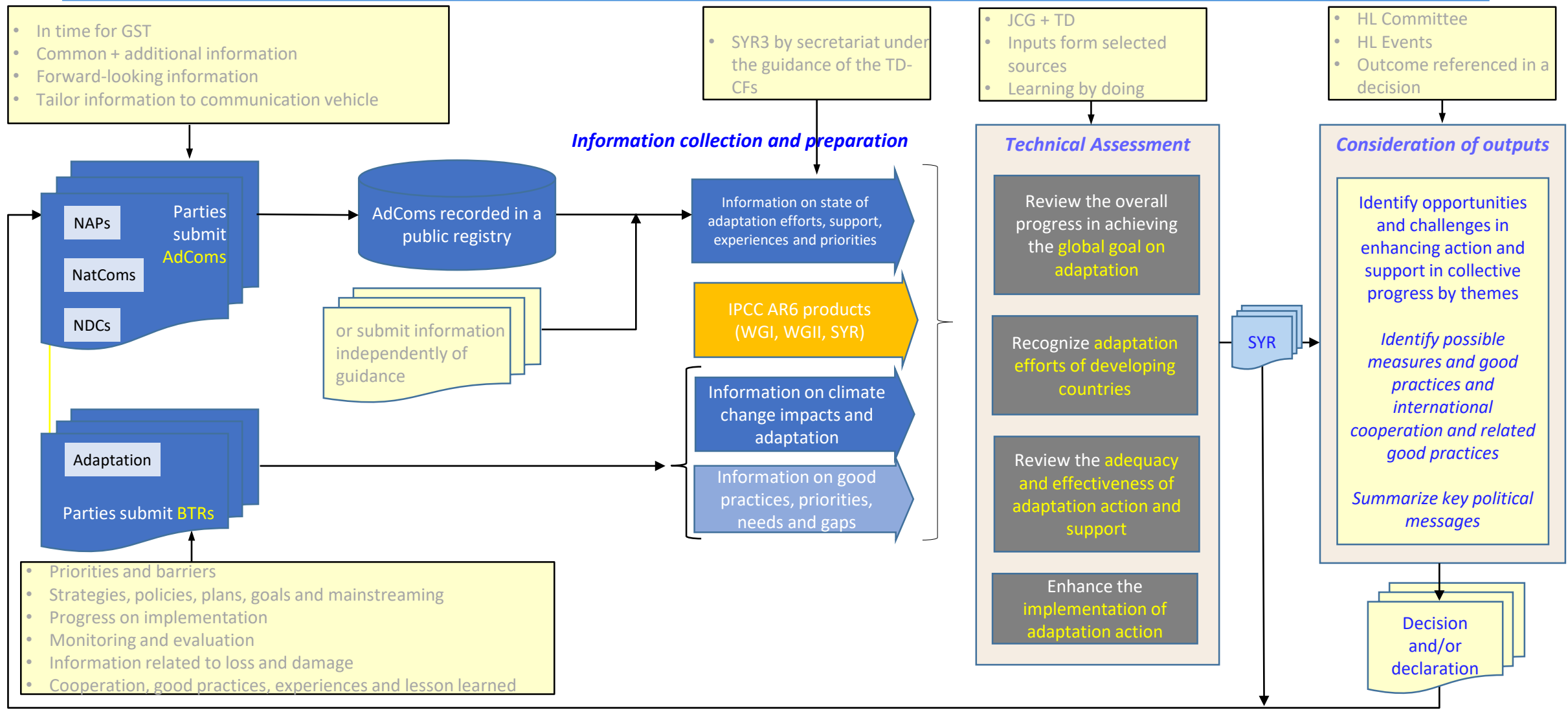
- Statements at SBSTA (WMO, CEOS, GCOS, GOOS ...)
- Update Reports for SBSTA (WMO, GCOS, CEOS)
- GCOS – status of observations
- GCOS IP
- WMO Statement on the state of the global climate & GHG bulletin

GST synthesis report??



**The systematic observation community will contribute to the GST – indirectly, through Parties, constituted bodies, IPCC, UN Agencies. Can it contribute directly?**

## To what inputs on adaptation can the SO community contribute and what are the adaptation goals and functions of the GST?



Legend:

- Information from Parties
- Guidance from Katowice
- long-term adaptation goal and adaptation functions
- Information on science

SYR by relevant Cons. Bodies

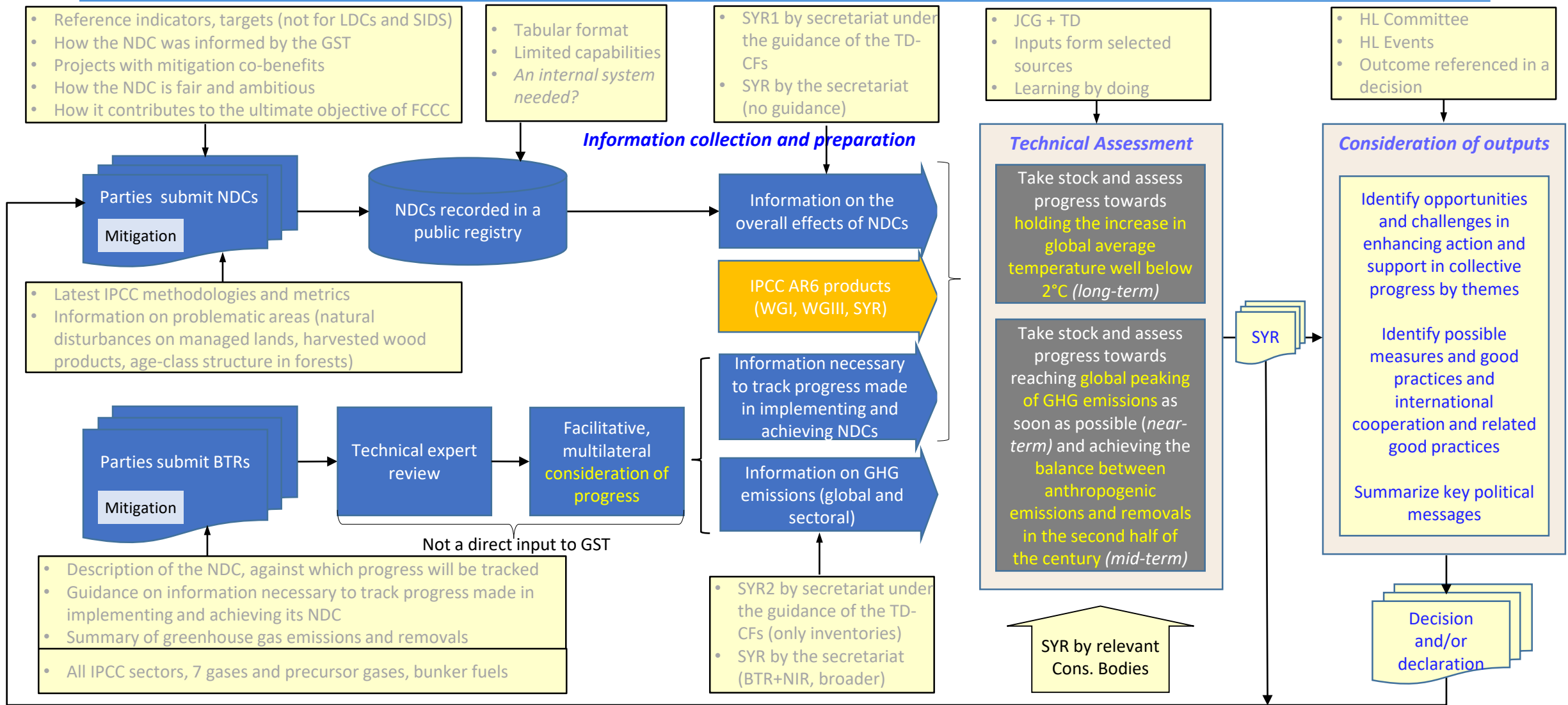
AC, LEG, WIM, LCIPP, Forum on RM?





Type of information	BTR	AdCom	NatCom/ Annex I Party	NatCom/non- Annex I Party	Documents related to NAPs
National circumstances, institutions, legal frameworks	X	X		X	X
Impacts, risks, vulnerabilities	X	X	X	X	X
Priorities and barriers related to adaptation	X	X		X	
Strategies, policies, plans, goals, steps to integrate adaptation into other policies	X	X	X	X	X
Support needed/support received	X	X			X
Progress in implementation of adaptation	X	X	X	X	X
Monitoring and evaluation	X	X	X	X	X
Information related to averting, minimizing and addressing loss and damage associated with climate change impacts	X				
Cooperation, good practices, experiences, lessons learned	X	X			X
Adaptation-related economic diversification/ mitigation co-benefits of adaptation	X	X			
Contributions to other international frameworks		X			
Gender perspective and/or traditional, indigenous and local knowledge	X	X			

## To what inputs on mitigation can the SO community contribute and what are the mitigation goals of the GST?



Legend:

- Information from Parties
- Guidance from Katowice
- Purpose and long-term mitigation goals
- Information on science

Forum on RM, LCIPP, CGE?



Approach:

- A. Establish an ad-hoc **coordination group on systematic observation and collective progress** to better enable support by the systematic observation community for Parties and the GST (supported by the UNFCCC secretariat) – first meeting held
- B. **Possible activities:** support to the GST at the global level; support to countries to assist in their contribution to GST
- C. Provide from this work a consolidated contribution of the SO community in a **synthesis report** to the GST report can be produced in 3 parts to correspond to GST themes and guiding questions for each technical dialogue

Preliminary scope of the work:

- Develop possible guiding questions (information collection, technical assessment, consideration of outputs; where are we? where we need to be? how to get there?)
- Aggregate information and identify indicators of progress and baselines – focus on the outcomes in terms of mitigation of and adapting to climate change (outcomes of supporting Parties to reduce uncertainties of their GHG inventories, identify mitigation opportunities, and using climate services to adapt to climate change)
- Identify information gaps and good practices and lessons learned

### Vision:

- The **first GST** is: simple and relevant; deemed inclusive, inspirational, motivational and impactful; and owned by all stakeholders
- The **secretariat** is the one-stop-shop for information on collective progress on addressing climate change

### Approach, challenges and possible solutions:

- Based on **information from Parties** → but this information is incomplete → we need to complement it with information from other sources
- Assessing **collective progress** → but it is unclear what it means → we need learning-by-doing
- Aims to **increase ambition** of action and support → but the GST outcome will only inform the next NDCs → the process is as important as the outcome → **Parties** will indicate how the GST informed their NDC → how to use Talanoa experience to catalyze action from **non-Party Stakeholders** in the context of the GST?
- **Many inputs** and synthesis reports based on cycles of various duration → synchronization will be problematic → consider the timelines for these inputs and design the best approach for GST 1



## **Party support**

- Parties recognize the importance of GCOS and GCOS implementation plan
- How do we make ECVs relevant for decision makers? How do we build a value chain from observations to effective decision making on adaptation, mitigation – e.g. through products, case studies, etc

## **GST**

- The systematic observation community could benefit from taking stock of the outcomes of the support provided to mitigation and adaptation action in five year cycles, with a pledge and review approach
- This requires understanding of the GST, planning, aggregation of this information, preparation of a coordinated input and participation in the GST
- Both indirect and direct inputs should be considered



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**Thank you!**

