

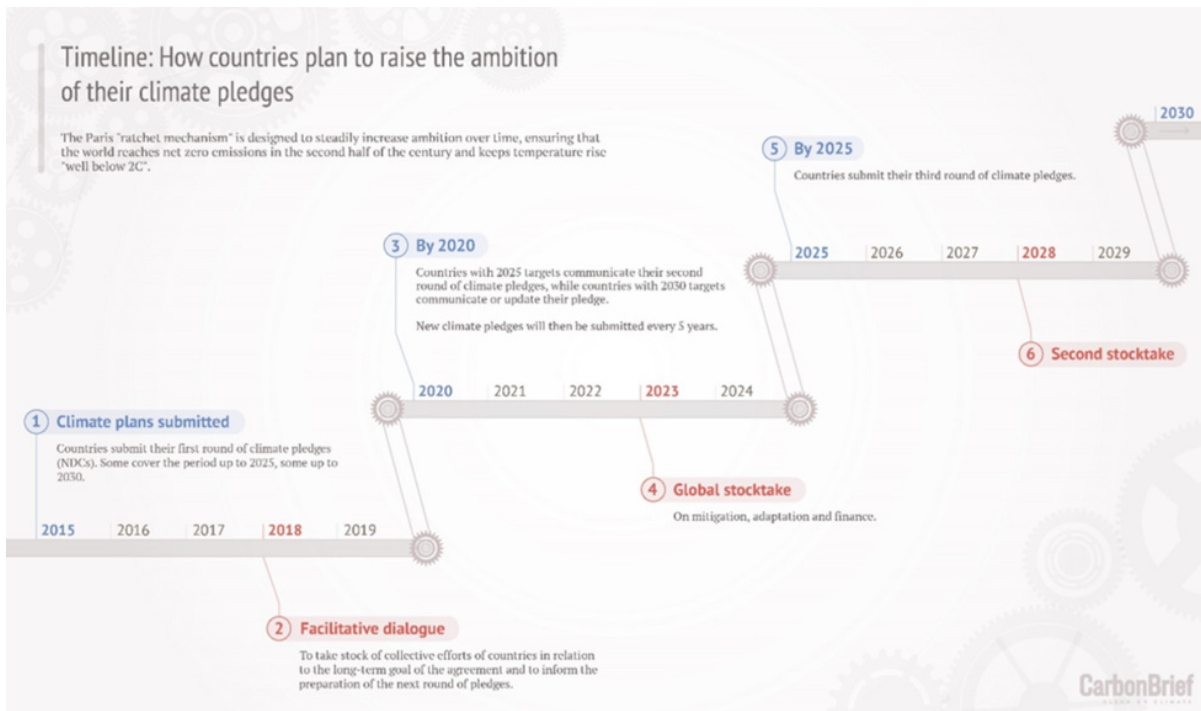
# THE GLOBAL STOCKTAKE

## CLIMATE DATATHON: GETTING STARTED

The purpose of this document is to give participants more details about the Global Stocktake and the data issues and challenges it faces.

The [Global Stocktake \(GST\)](#) is a global accounting exercise where all countries that participate in the Paris Agreement report the progress towards their national climate goals. To hold themselves accountable, countries agreed to regularly report on and review their individual efforts and to take stock of their collective progress. In sum, this Stocktake assessment shows humanity's collective progress towards achieving global climate goals. The GST is a key Paris Agreement mechanism to increase ambition over time every 5 years (Figure 1). The GST will help national governments see what they have achieved so far in implementing their climate plans, identify what still needs to be done to meet their targets, and highlight opportunities to increase their ambition on climate action. The [GST is critically important](#) because the international community has yet to live up to its commitments and climate action has yet to reflect deep transformations needed across all sectors to build a resilient future. For more information on the three phases of the GST, see this [explainer](#) by the World Resources Institute.

FIGURE 1.



# INTRODUCTORY QUESTIONS

We hope you will get creative in tackling our slate of prompts written by climate experts and researchers, although they are meant to be a guide, not prescriptive of your team's project focus and approach. Whether you decide to answer their challenges or come up with your own research question, the format of your project can take any form: statistical analyses, harmonized and cleaned datasets, engaging visualizations or interactive platforms - anything is game. We just want you to be as creative as possible in joining this global effort to enhance the quality of climate data to support productive discussions around the GST.

Below are some guiding questions to get you thinking about each of the thematic areas of the GST - the structure by which our prompts are organized.

## **MITIGATION: EXPLORES QUESTIONS RELATED TO OUR ABILITY TO REDUCE CLIMATE-WARMING EMISSIONS.**

- Where does the world currently stand in terms of global emission levels?
  - Which countries have reduced emissions the most, which countries have the most challenging task ahead of them?
  - Which sectors have seen the greatest reductions in emissions, and which seem to be the most challenging to reduce?
- What policy efforts are being undertaken to address climate change?
  - Who is taking what kind of action, and where?
- How are subnational governments and private actors contributing to global climate change?

Datasets/websites to get you started:

- [Climate Action Tracker](#) ([Dataset provided](#) for download by NewClimate Institute, in the datathon's open datasets Google Folder)
- [Climate Watch](#)
- [Climate Policy Database](#)
- [CDP](#) (formerly Carbon Disclosure Project)
- [UN Global Climate Action Portal](#)

## **ADAPTATION: EXPLORES QUESTIONS RELATED TO OUR ABILITY TO ADAPT TO CLIMATE IMPACTS AND BUILD FUTURE RESILIENCE.**

- What kinds of adaptation efforts are being taken, by whom and where?
- What kinds of data and information can help countries, local governments, businesses, or citizens adapt to the impacts of climate change?

Datasets/websites to get you started:

- [ND Gain Country Vulnerability Index](#).
- [Climate Mapping for Resilience and Adaptation](#)

## **IMPLEMENTATION AND SUPPORT MECHANISMS: EXPLORES DATASETS RELATED TO FINANCING, CAPACITY BUILDING, AND KNOWLEDGE SHARING.**

- What is the global status of financial commitments to supporting climate mitigation and adaptation efforts?
  - Who and what types of institutions are contributing to global climate finance, and to whom?

Datasets/websites to get you started:

- [UN Climate Finance Data Portal](#).
- [Climate Policy Initiative - Finance Tracking](#)
- [OECD Climate Fund Database](#)