CDP data highlights how states and regions across the globe are setting increasingly ambitious short-term emissions reduction targets. This momentum is both driving up standards of climate leadership and putting transparency and accountability at the heart of government environmental action. Now we need to see longer-term targets from states and regions to ensure their ambition is aligned with limiting global warming to well-below 2 degrees Celsius.”

Paul Simpson, CEO, CDP

The 2017 Annual Disclosure Update shows that states and regions are now moving into the implementation of the Paris Agreement. Knowing what other governments have done reinforces the case for action, with visible progress being made against headline commitments and targets. This proves that we can continue to raise ambition and drive the world to an under 2 degrees Celsius economy without delay.”

Helen Clarkson, CEO, The Climate Group
DISCLOSING STATES AND REGIONS

Under2 is a leading coalition of more than 185 jurisdictions committed to supporting delivery of the Paris Agreement and keeping global temperature rises below 2 degrees Celsius. Led by states and regions internationally, the Coalition brings together signatories and endorsers of the Under2 MOU, a commitment to limit greenhouse gas (GHG) emissions by 80-95% on 1990 levels, or to 2 annual metric tons of carbon dioxide-equivalent per capita, by 2050.

The Climate Group acts as Secretariat of the Under2 Coalition and CDP serves as the official disclosure platform.

LIST OF DISCLOSING GOVERNMENTS:


*Did not update disclosure this year
Members of the Under2 Coalition

110 GOVERNMENTS from 36 COUNTRIES representing:
658 MILLION people
18% of the world’s economy
3.9 GtCO₂e

New disclosure in 2017
Disclosing states and regions are on average more ambitious than their national counterparts: The disclosed GHG targets lead to greater emissions reduction than the Reference Technology Scenario (RTS) – which reflects the ambition of the Paris Agreement. If the states and regions reach their climate targets on time, they would save an estimated 21.9 GtCO$_2$e between 2010 and 2050 compared to the RTS.

Their short-term ambition is compatible with a 2-degree world, but the mid- and long-term targets disclosed are too few and too low to be on track with the 2 Degrees Scenario (2DS) post-2020. The emissions gap is estimated to 8.1 GtCO$_2$e through 2050.

The Climate Group and CDP encourage all regions to set and disclose more ambitious public mid and long term GHG reduction targets and disclose their progress.

**PROJECTED DISCLOSURE GHG EMISSIONS COMPARED TO IEA SCENARIOS**

For the full methodology of the projections calculations, please refer to the Annual Disclosure Annex, available at: TheClimateGroup.org/Annual-Disclosure

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**Scenarios**

The disclosed targets reflect the ambition of the disclosing states and regions. They are compared to three scenarios developed by the International Energy Agency (IEA) as part of the 2017 Energy Technology Perspectives:

- The **Reference Technology Scenario (RTS)** considers current commitments by countries to limit emissions, including Nationally Determined Contributions (NDCs)
- The **2 Degrees Scenario (2DS)** is consistent with at least a 50% chance of limiting average global temperature rise to 2 degrees Celsius by 2100
- The **Beyond 2 Degrees Scenario (B2DS)** explores how far the deployment of technologies currently available or in the innovation pipeline could reduce emissions

1 [iea.org/etp2017](http://iea.org/etp2017)
Hesse has disclosed a new target of 90% GHG emissions reduction by 2050 based on 1990 levels.

Sardinia increased their renewables target from 18% of electricity production to 29% of energy production by 2020 based on 1990 levels.

Brittany has disclosed a new target of 60% decrease in energy use by 2050 based on 2005 levels.

BUT AMBITIOUS MID- AND LONG-TERM TARGETS ARE LACKING TO KEEP TEMPERATURES WELL BELOW 2°C THROUGH 2050

% OF GOVERNMENTS WITH SHORT, MID AND LONG-TERM TARGETS*: 66% 55% 38%


LOW CARBON PATHWAYS:

Long-term targets should be accompanied by low carbon pathways. Pathways provide detailed information on what region-wide decarbonization requires in each sector of the economy – in terms of technology, infrastructure, investment and policy – helping policymakers understand their options to set and achieve emissions reduction targets.

15 GOVERNMENTS HAVE INDICATED THAT THEY HAVE DEVELOPED A LOW CARBON PATHWAY

OUT OF THESE, 14 ARE UNDER2 SIGNATORIES

*out of 58 governments with a region-wide GHG target
PROGRESS MADE BY GOVERNMENTS IS ASSESSED BY

1. **Comparing:** current emissions with base year emissions

   & 2. **Estimating:** how close governments are to achieving their 2020 target

The governments are performing better on average than in 2016.

### Trends since base year

- Governments with current inventories below baseline emissions:
  - **2016:** 68%
  - **2017:** 73%

- Average emissions reduction:
  - **2016:** 6.3%
  - **2017:** 8.5%

### 12 Governments have reduced their emissions by at least 20% since their base year:
- Andalusia
- Basque Country
- Blekinge
- Catalonia
- Hesse
- Jämtland
- Lombardy
- Madeira
- Navarra
- Scotland
- Hesse
- Blekinge

### Progress to 2020

- Six governments have already met or exceeded their 2020 target several years in advance,
- While four governments have made great progress and are well on track to reaching it in time.

### Best in class

- Scotland
- Lombardy
- Wallonia
- Provence-Alpes-Côte-d’Azur
- Madeira
- Lower Austria
- Carinthia
- Hesse
- Blekinge
- Provence-Alpes-Côte-d’Azur

Other disclosing governments
- Almost at target
- Exceeded target
Every year, state and regional governments are encouraged to disclose climate actions they are currently implementing or plan to implement in the next two years across 10 different sectors:

**ACTIONS TAKEN**

**2017 vs 2016:**
- **2017:** 2339 actions taken, 80% increase
- **2016:** 1299 actions taken

- **Collaborate with national, local and regional governments**
- **Promote conservation efforts and undertake environmental impact assessments**
- **Increase awareness on energy efficiency/clean energy programs and install efficient lighting**
- **Establish waste reduction plans and increase awareness on these measures**

**ACTIONS PLANNED**

**2017 vs 2016:**
- **2017:** 411 actions planned, 157% increase
- **2016:** 160 actions planned

- **Install microgrids, smart grids and energy storage**
- **Switch to low carbon fuel in fleets, promote smart logistics in mass transit and improve rail services**
- **Install geothermal heating**
- **Improve energy efficiency of industrial processes**
- **Support clean technology clusters**
ABOUT THE ANNUAL DISCLOSURE

Each year, The Climate Group and CDP call upon state and regional governments to publicly disclose their climate targets and actions, emissions inventories and other climate information. This helps governments to better understand the risks and opportunities of climate change and increase the impact of climate actions.

The Climate Group and CDP are united in their firm belief on the vital role that state and regional governments play in driving climate action and delivering sustainable economies that avoid dangerous climate change and lead to a net-zero emissions world. State and regional government climate action is fundamental to delivering the Paris Agreement and the disclosed data drives CDP’s analytical benchmarking, commitment tracking and data management; and The Climate Group’s governments networks, peer learning, policy work and promotion of climate leadership.

START DISCLOSING IN 2018

Join the states and regions that are already measuring their impact through disclosure and taking action to help drive a swift transition to a low carbon economy.

For further analysis, please refer to the Annual Disclosure Annex, available at:
TheClimateGroup.org/Annual-Disclosure

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PUBLISHED IN NOVEMBER 2017