

CDP States & Regions Summary Report 2021

CDP provides a global platform for States and Regions to measure, manage and track their climate and environmental impacts and actions. Limiting global warming to 1.5°C is critical and with the impacts of climate change being felt across the globe, it is encouraging to see States and Regions playing their part to increase transparency and accelerate climate action.

The data reported by States and Regions, can be viewed and downloaded on the CDP [Open Data Portal](#) and the UNFCCC on the [Global Climate Action Portal](#). For more information read CDP's latest report: [Working together to beat the Climate Crisis](#).

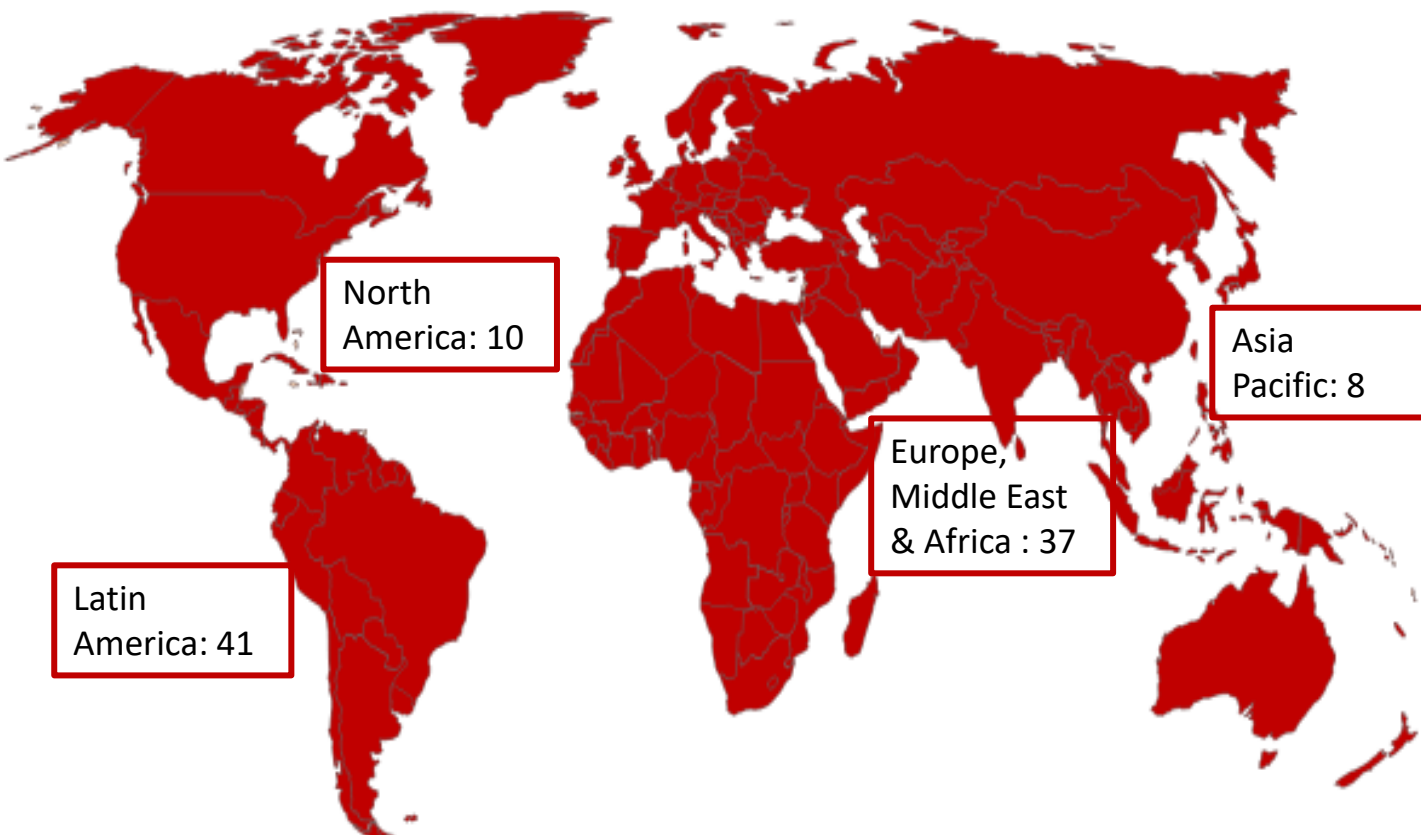
Globally, in 2021...

96

States and Regions reported

Representing

499 million people



Risks



Top reported climate risks

(number of states and regions reported):

- ▼ More hot days (43)
- ▼ More intense rainfall (40)
 - ▼ Sea level rise (32)
- ▼ More frequent droughts (31)
 - ▼ Coastal erosion (25)
- ▼ More frequent heatwaves (25)

82%

Reported facing climate risks

Opportunities



85 %

Identifying opportunities from climate change

94 %

Collaborate with national governments or intend to in next 2 years

94%

Collaborate with local governments or intend to in next 2 years

78%

Collaborate with businesses or intend to in next 2 years

61%

Seeking finance for sustainability projects

Top areas for business collaboration:

- ▼ Emissions reduction (27)
 - ▼ Energy efficiency (13)
 - ▼ Renewable energy (13)
 - ▼ Climate adaptation (12)
 - ▼ Waste management (7)

Top areas seeking finance:

- ▼ Renewable energy (15)
- ▼ Energy efficiency / retrofit (15)
 - ▼ Water management (13)
 - ▼ Transport (11)
 - ▼ Waste management (11)

Targets and Plans



44 %

Have emissions reduction targets

50 %

Have mitigation plans

16.7 %

Reported having targets aligned to 1.5°C

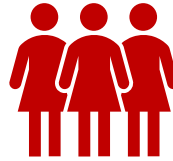
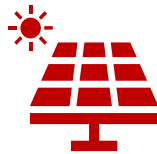
47 %

Have adaptation plans

43 %

Have undertaken a climate risk & vulnerability assessment

Actions



Top reported Adaptation Actions:

- ▼ Community engagement and education (16)
 - ▼ Flood mapping (16)
- ▼ Incorporating climate change into long-term planning documents (15)
- ▼ Crisis management including early warning and evacuation systems (15)
- ▼ Real time risk monitoring (13)

Top reported Mitigation Actions:

- ▼ Promote other sustainable farming practices (56)
- ▼ Install solar power (e.g. PV, CSP) (56)
- ▼ Promote conservation efforts for natural areas (53)
- ▼ Improve capacity of farmers and rural organizations (52)
- ▼ Promote sustainable forest management (49)

Latin America

41 states and regions in Latin America reported their climate and environmental data to CDP in 2021.

Key Regional Findings:



24 %
Have emissions reduction targets



34 %
Have mitigation plans



5 %
Reported having targets aligned to 1.5°C



78%
Reported facing climate risks



32 %
Have undertaken a climate risk & vulnerability assessment



41 %
Have adaptation plans

Top reported climate risks:

- More hot days
- More intense rainfall
- More intense drought
- Coastal erosion
- More frequent droughts

What are Latin America States and Regions doing?

- Campeche, Mexico:** The Ministry of Environment, Biodiversity and Climate Change of Campeche (SEMABICC), has a center in operation to monitor the heat points in the State, with which forest fires have been detected and which has in turn resulted in action to address them, in coordination with the three levels of government.
- Ceará, Brazil:** The State government is developing the Economic Ecological Zoning of the Coastal Zone of the State of Ceará (ZEEC), which aims to reduce the impacts that coastal erosion causes to the environment and the population living in this region.
- Nariño, Colombia:** The government has implemented adaptation actions against climate change and El Niño Southern Oscillation (ENSO) to contribute to sustainable and climate-resilient development of the Department of Nariño. Through this, it has formulated a project aimed at the conservation of mangroves on the Pacific coast of Nariño.

Asia Pacific

8 states and regions in Asia Pacific reported their climate and environmental data to CDP in 2021.

Key Regional Findings:



62.5 %
Have emissions reduction targets



75 %
Have mitigation plans



12.5 %
Reported having targets aligned to 1.5°C



88 %
Reported facing climate risks



62.5%
Have undertaken a climate risk & vulnerability assessment



37.5 %
Have adaptation plans

Top reported climate risks:

- Sea level rise
- More frequent droughts
- More intense rainfall
- Coastal erosion
- More hot days

What are Asia Pacific States and Regions doing?

- State Government of Victoria, Australia:** The Victorian Government has identified the importance of green infrastructure to create more liveable and climate-adapted communities. The cooling and greening Melbourne program aims to increase sustainability and resilience through green infrastructure such as by protecting existing green spaces.
- West Kalimantan, Indonesia:** West Kalimantan has enacted mangrove restoration at coastal areas and forest restoration. It has also implemented landscape and jurisdictional approaches (LA/JA) through the Forest Management Unit (FMUs) at the districts level based on Governor's Regulation. It has also established the Climate Village Program (PROKLIM) to encourage the local community to improve their ability to adapt to climate change.
- Queensland, Australia:** The Department of Health and Queensland Fire and Emergency Services run annual public campaigns on heatwave and bushfire safety. A multi-agency Heat Management Working Group has been established to identify cross-sectoral strategies to reduce the impacts of heat on health.

North America

10 states and regions in North America reported their climate and environmental data to CDP in 2021.

Key Regional Findings:



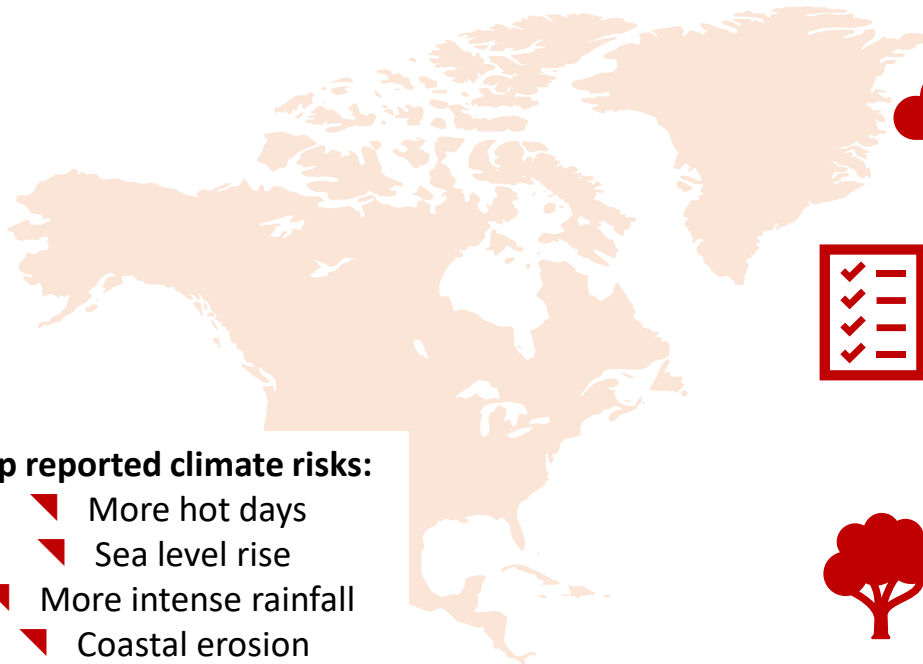
All states
Have emissions
reduction targets



60 %
Have mitigation
plans



50 %
Reported having
targets aligned to
1.5°C



All states
reported facing
climate risks



60 %
Have undertaken a
climate risk &
vulnerability
assessment



70 %
Have adaptation
plans

Top reported climate risks:

- More hot days
- Sea level rise
- More intense rainfall
- Coastal erosion
- More frequent droughts
- More heat waves

What are North America States and Regions doing?

- State of Virginia, United States of America:** 45% of the state's Regional Greenhouse Gas Initiative (RGGI) revenue goes to the Virginia Community Flood Preparedness Fund to increase coastal and flood resilience. No less than 25% of the moneys disbursed from the fund each year shall be used for projects in low-income geographic areas.
- California, United States of America:** Multiple state agencies are supporting the development of plans and projects to help communities prepare for rising sea levels informed by scientific modelling such as for modelling sea level rise in the San Francisco Bay area.
- Quebec, Canada:** Mapping and monitoring of permafrost distribution in northern Québec and assessment of susceptibility of soil subsidence associated with thawing of permafrost in order to guide the development of communities.

Europe, Middle East and Africa

37 states and regions in Europe, Middle East and Africa reported their climate and environmental data to CDP in 2021.

Key Regional Findings:



46 %
Have emissions reduction targets



59 %
Have mitigation plans



21.6 %
Reported having targets aligned to 1.5°C



81 %
Reported facing climate risks



46 %
Have undertaken climate risk & vulnerability assessment



46 %
Have adaptation plans

Top reported climate risks::

- More hot days
- More intense rainfall
- More frequent droughts
- Sea level rise
- More heat waves

What are Europe, Middle East and Africa States and Regions doing?

- Western Cape, South Africa:** The Western Cape government has worked to finalise Coastal set back lines, coastal management lines and coastal risk overlay zones. These lines and overlays incorporate sea level rise, reducing the risks associated with sea level rise.
- Cataluña, Spain:** During 2020, Catalan Office for Climate Change has been working on a study of vulnerability of impacts of climate change on transport and rail infrastructures of Catalonia, and the adaptation measures to adapt it in the short term.
- Regione Lombardia, Italy:** Lombardy Region launched an information campaign on climate change, focused on the description of the main impacts on the territory of the region and the adaptation activities implemented by the regional authorities. Private Actions that could be implemented by private citizens is one of the topics addressed by the campaign.

List of States and Regions that reported in 2021

- ▼ Abruzzo, Italy
- ▼ Acre, Brazil
- ▼ Andalucía, Spain
- ▼ Autonoma della Sardegna, Italy
- ▼ Azores, Portugal
- ▼ Bahia, Brazil
- ▼ British Columbia, Canada
- ▼ California, United States of America
- ▼ Campeche, Mexico
- ▼ Cantabria, Spain
- ▼ Caquetá, Colombia
- ▼ Cataluña, Spain
- ▼ Ceara, Brazil
- ▼ Centre Nord, Burkina Faso
- ▼ Chefchaouen, Morocco
- ▼ Consorcio de Gobiernos Autónomos Provinciales del Ecuador, Ecuador
- ▼ Connecticut, United States of America
- ▼ Cross River State, Nigeria
- ▼ Distrito Federal, Brazil
- ▼ Espirito Santo, Brazil
- ▼ Estado de Mexico, Mexico
- ▼ Goias, Brazil
- ▼ Gossas, Senegal
- ▼ Grand-Est, France
- ▼ Greater Wellington Regional Council, New Zealand
- ▼ Guanajuato, Mexico
- ▼ Islas Baleares, Spain
- ▼ Jalisco, Mexico
- ▼ Jämtland, Sweden
- ▼ Kronoberg, Sweden
- ▼ KwaZulu-Natal, South Africa
- ▼ Kymenlaakso, Finland
- ▼ Lombardia, Italy
- ▼ Madeira, Portugal
- ▼ Małopolskie, Poland
- ▼ Marche, Italy
- ▼ Mato Grosso, Brazil
- ▼ Mato Grosso do sul, Brazil
- ▼ Minas Gerais, Brazil
- ▼ Minnesota, United States of America
- ▼ Nariño, Colombia
- ▼ New Caledonia, New Caledonia
- ▼ New South Wales, Australia
- ▼ New York State, United States of America
- ▼ Niederösterreich, Austria
- ▼ Nuevo León, Mexico
- ▼ Oberösterreich, Austria
- ▼ Occitanie, France
- ▼ Opolskie, Poland
- ▼ Oregon, United States of America
- ▼ País Vasco, Spain
- ▼ Para, Brazil
- ▼ Parana, Brazil
- ▼ Pastaza, Ecuador
- ▼ Pernambuco, Brazil
- ▼ Piemonte, Italy
- ▼ Piura Region, Peru
- ▼ Prešov Region, Slovakia
- ▼ Prince Edward Island, Canada
- ▼ Provincia de Jujuy, Argentina
- ▼ Quebec, Canada
- ▼ Queensland, Australia
- ▼ Queretaro, Mexico
- ▼ Quintana Roo, Mexico
- ▼ Región Administrativa y de Planificación del Pacífico, Colombia
- ▼ Réunion, France
- ▼ Rio de Janeiro State, Brazil
- ▼ Rio Grande do Norte, Brazil
- ▼ Rio Grande do Sul, Brazil
- ▼ Rondonia, Brazil
- ▼ Roraima, Brazil
- ▼ Saint Louis, Senegal
- ▼ San Martín, Peru
- ▼ Santa Catarina, Brazil
- ▼ Santa Elena, Ecuador
- ▼ Sao Paulo State, Brazil
- ▼ Scotland, United Kingdom of Great Britain and Northern Ireland
- ▼ Sergipe, Brazil
- ▼ Sonora, Mexico
- ▼ South Australia, Australia
- ▼ South Ostrobothnia, Finland
- ▼ State Government of Victoria, Australia
- ▼ State of Virginia, United States of America
- ▼ Sud-Comoe, Côte d'Ivoire
- ▼ Tabasco, Mexico
- ▼ Thuringia, Germany
- ▼ Tocantins, Brazil
- ▼ Turkana County, Kenya
- ▼ Veneto, Italy
- ▼ Veracruz, Mexico
- ▼ Wales, United Kingdom of Great Britain and Northern Ireland
- ▼ Washington, United States of America
- ▼ West Kalimantan, Indonesia
- ▼ West Nusa Tenggara Province, Indonesia
- ▼ Western Cape, South Africa
- ▼ Yucatan, Mexico

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