

The Compact of States and Regions

Questionnaire 2015

Questionnaire 2015

We invite a reply to the following questions. The deadline for the first reporting phase is 15 May 2015.

Please respond using the online platform (<http://statesandregions.cdp.net/s3/2015>). This document shows all the possible questions that responding state and regional governments may encounter. However, it should not be used in lieu of the online platform. If you are unable to respond through the online platform, please e-mail statesandregions@cdp.net.

The following sources of support are available to responding regional governments:

- ▼ The Compact of States and Regions Guidance 2015:
This document provides a high-level overview of each section and question-level guidance on every question. The guidance provides information on the intent of each question as well as examples of good responses for selected questions. It will be available by 01 April 2015.
- ▼ Contact us: You can write to statesandregions@cdp.net or dial +44 (0) 203 818 3918 for questions which are not answered in the guidance, for help accessing the online platform, or for general inquiries. We are based in the UK, and so our office hours are 09:00 - 18:00 BST, Monday to Friday.

For simplicity, the term "states and regions" is used throughout the Online Platform as the generic reference to the variety of sub-national governing bodies taking the survey, such as states, provinces and regions. When completing the information request, please answer the questions comprehensively while also assessing the relevance of the information you provide. If you do not have all of the information requested for a specific question, please respond with what you have as this is more valuable than no response. Further information will be provided in the Guidance 2015 document.

The question reference document mirrors the online platform, and splits the questions into 6 sections labelled:

1. Introduction;
2. Targets and climate actions;
3. Emissions – Region;
4. Emissions – Government operations;
5. Risks and adaptation; and,
6. Governance.

Sections 1, 2 and 3 contain questions that are required for the Compact of States and Regions. These questions are marked with a "*".

If reporting to the Compact of States and Regions, please complete all questions marked with a "". They are all located in sections **1. Introduction**; **2. Targets and climate actions** and **3. Emissions – Region**.*

Questionnaire 2015

1. Introduction

The introduction section concerns basic information regarding your government and region's profile. For help answering this section, please consult the guidance document.

1.1 Please provide the following introductory details for your region. *

Government name	[Text box]
Country	[Text box]
Leader title (e.g. Governor, Premier...)	[Text box]
Leader name	[Text box]
Land area (km ²)	[Text box]
Main cities or urban centres	[Text box]
Relationship with national governments	[Text box]

1.2: Please give a general description and introduction to your region. *

[Text box]

1.3: Please provide details of your region's current population, annual operating budget, and gross domestic product (GDP). *

Population	Population year	Annual operating budget (US\$)	Budget year	GDP (US\$)	GDP year
[Numeric field]	[LoV: 2010-2015]	[Numeric field]	[LoV: 2010-2015]	[Numeric field]	[LoV: 2010-2015]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

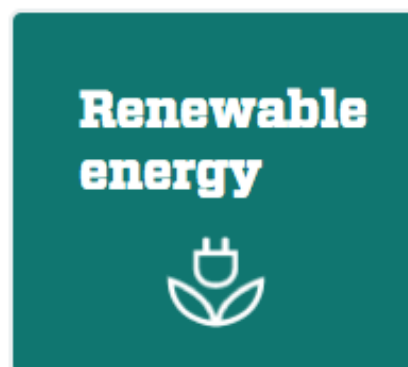
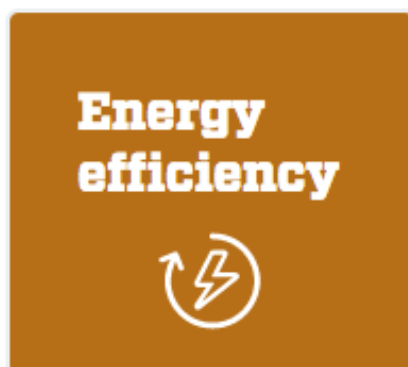
2. Targets and climate actions

Page 1 of 2 – Targets

The targets and climate actions sub-section concerns information regarding your emissions reduction, energy efficiency and renewable energy targets. The information provided in this section will also be made available for the UNFCCC NAZCA portal (Non-state Actor Zone for Climate Action) to support national action for a global deal at COP 21 in Paris, 2015. For help answering this section, please consult the guidance document.

2.1: To report an emissions reduction, energy efficiency or renewables energy/electricity target, please click on the corresponding image below. *

Multiple images can be selected. If you are reporting to the Compact of States and Regions, "Emissions reduction" must be one of your choices and it must have a "region-wide" scale in Q 2.1a.



2.1a: If emissions reduction: Please provide details of your emissions reduction target(s). *
Example short target summary: "To reduce region-wide CO₂e emissions by 20% by 2020 based on 1990 levels".

Scale	Target type	Baseline year	Target year	Reduction target (%)	Government that set target
[LoV: Region-wide; Regional government]	[LoV: Absolute; Intensity; Other]	[LoV: 1990 – 2014; N/A]	[LoV: 2015 – 2050]	[LoV: 1-100%; N/A]	[LoV: National; State/regional]

Baseline emissions (metric tonnes of CO ₂ e)	Sources to which the target applies	Short target summary (140 characters)	Please comment and detail any progress to meet target
[Numeric field]	[Text box]	[Text box]	[Text box]

Add another emissions reduction target

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

2.1a: If energy efficiency: Please provide details of your energy efficiency target(s).

Example short target summary: "To increase energy efficiency region-wide by 20% by 2020 based on 1990 levels"

Scale	Baseline year	Target year	Target (%)	Government that set target
[LoV: Region-wide; Regional government]	[LoV: 1990 – 2014; N/A]	[LoV: 2015 – 2050]	[LoV: 1-100%, N/A]	[LoV: National; State/regional]

Sources to which the target applies	Short target summary (140 characters)	Please comment and detail any progress to meet target
[Text box]	[Text box]	[Text box]

Add another energy efficiency target

2.1a: If renewable energy: Please provide details of your renewable energy or renewable electricity target(s).

Example short target summary: "Increase share of renewables in region's final energy mix to 20% by 2020".

Scale	Target type	Target year	Target (%)	Government that set target
[LoV: Region-wide; Regional government]	[LoV: Renewable energy; Renewable electricity]	[LoV: 2015 – 2050]	[LoV: 1-100%]	[LoV: National; State/regional]

Current renewable energy/electricity capacity (MW)	Target renewable energy/electricity capacity (MW)	Short target summary (140 characters)	Please comment and detail any progress to meet target
[Text box]	[Text box]	[Text box]	[Text box]

Add another renewables target

2.1b: Please detail why you do not have an emissions reduction/ energy efficiency/ renewable energy or electricity target.

[Text box]

Questionnaire 2015

2. Targets and climate actions

Page 2 of 2 – Climate actions

The targets and climate actions sub-section concerns information regarding your emissions reduction actions. The information provided in this section will also be made available for the UNFCCC NAZCA portal (Non-state Actor Zone for Climate Action) to support national action for a global deal at COP 21 in Paris, 2015. For help answering this section, please consult the guidance document.

2.2: What climate actions are you undertaking to reduce emissions?

Scale	Emissions reduction action	Short action summary (140 characters)	Action description
[LoV: Region-wide; Regional government; Other]	[LoV: Appendix A]	[Text box]	[Text box]

Add another action

2.3: If you have any additional documents regarding your targets and climate actions, please upload them here.

[Attachment function, 3 files, 10-megabyte max file size]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

3. Emissions – Region

Page 1 of 3 – Regional accounting

The regional emissions sub-section concerns information regarding the accounting of your region's greenhouse gas emissions. For help answering this section, please consult the guidance document.

3.1: Please provide the dates of the accounting year or 12-month period for which you are reporting a GHG emissions inventory for your region's emissions. *

[Drop down calendar: From] [Drop down calendar: To]

3.2: Please select the category that best describes the boundary of your region's GHG emissions inventory. *

[Radio buttons: Geopolitical Boundary—physical areas over which your government has jurisdictional control; Other [text box]]

3.3: Please select the name of the primary protocol, standard, or methodology you have used to calculate GHG emissions. *

Primary protocol
[LoV: 1996 IPCC Guidelines for National Greenhouse Gas Inventories; 2006 IPCC Guidelines for National Greenhouse Gas Inventories; Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 & ICLEI); International Emissions Analysis Protocol (ICLEI); International Standard for Determining Greenhouse Gas Emissions for Cities (UNEP and World Bank); The Climate Registry General Reporting Protocol; U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions (ICLEI); U.S. EPA Greenhouse Gas Reporting Program (includes US EPA SIT tool, FLIGHT tool etc; Other]

3.4: Please explain your methodology (including use of additional protocols), methods of calculation (including how you account for emissions from electricity imported into your territory) and processes for data collection. *

[Text box]

3.5: Has the GHG emissions data you have reported here been externally verified either in part or in whole? *

[Radio buttons: Yes; No]

3.5a: If yes: Please provide any other relevant information about the emission verification process, such as the verification standard or organisation, and whether the verification applies to all or just a section of your reported emissions. *

Name of verifier	Year of verification	Comment
[Text Box]	[LoV: 2010 – 2015]	[Text Box]

3.5b: If no: Please describe why not and your future plans to verify your emissions, if any.

[Text box]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

3. Emissions – Region

Page 2 of 3 – Regional emissions

The regional emissions sub-section concerns information regarding the reporting of your region's greenhouse gas emissions. For help answering this section, please consult the guidance document.

3.6: Please select which gases are included in your region's GHG emissions inventory. *
 CO2 CH4 N2O HFCs PFCs SF6 NF3

3.7: Please provide the total gross and net GHG emissions for your region, in metric tonnes of carbon dioxide equivalence (metric tonnes CO₂e) and indicate if your emissions have changed since your last reported year. *

If your region does not calculate both types of total, please provide the one it does calculate.

	Total Emissions (metric tonnes CO ₂ e)	Comment on total emissions	Change in total emissions from last reported year	Comment on any change in total emissions
Total gross emissions (excludes sinks)	[Numeric field]	[Text box]	[LoV: Increased; Decreased; No change; First year of calculation; Other]	[Text box]
Total net emissions (includes sinks)	[Numeric field]	[Text box]	[LoV: Increased; Decreased; No change; First year of calculation; Other]	[Text box]

3.8: If 1996 IPCC Guidelines for National Greenhouse Gas Inventories selected in Q 3.3: Please provide a breakdown of emissions by sector as defined in the 1996 IPCC Guidelines. *

	Emissions (metric tonnes of CO ₂ e)	Comments
Energy (total)	[Numeric field]	
Energy sub-sector: mobile combustion only	[Numeric field]	
Industrial processes	[Numeric field]	
Solvents	[Numeric field]	
Land-use, land-use change and forestry	[Numeric field]	
Agriculture	[Numeric field]	
Waste	[Numeric field]	

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

3.8: *If 2006 IPCC Guidelines for National Greenhouse Gas Inventories selected in Q 3.3: Please provide a breakdown of emissions by sector as defined in the 2006 IPCC Guidelines. **

2006 IPCC sector	Emissions (metric tonnes of CO ₂ e)	Comments
Energy (total)	[Numeric field]	
Energy sub-sector: mobile combustion only	[Numeric field]	
Industrial processes and product use	[Numeric field]	
Agriculture, forestry, and other land use	[Numeric field]	
Waste	[Numeric field]	
Other (Indirect N₂O emissions and other)	[Numeric field]	

3.8: *If any other methodology selected in Q 3.3: Please provide a breakdown of your total emissions by end user (buildings, water, waste, transport), economic sector (transportation, industrial, commercial and residential, agriculture, electricity), greenhouse gas (CO₂, CH₄, N₂O, etc) or any other classification used in your region. **

End user / Economic sector / GHG / Other	Emissions (metric tonnes of CO ₂ e)	Comments
[Text box]	[Numeric field]	[Text box]

Add another row

3.8: *If Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI) selected in Q 3.3: Please provide a summary of emissions by sector and scope as defined in the Global Protocol for Community GHG Emissions Inventories. **

Sector and scope (GPC reference number)	Emissions (metric tonnes of CO ₂ e)
[Fixed LoV: Stationary Energy: energy use – Scope 1 (I.X.1); Stationary Energy: energy use – Scope 2 (I.X.2); Stationary Energy: energy use – Scope 3 (I.X.3); Stationary Energy: energy generation supplied to the grid – Scope 1 (I.4.4); Transportation – Scope 1 (II.X.1); Transportation – Scope 2 (II.X.2); Transportation – Scope 3 (II.X.3); Waste: waste generated within the city boundary – Scope 1 (III.X.1); Waste: waste generated within the city boundary – Scope 3 (III.X.2); Waste: waste generated outside the city boundary – Scope 1 (III.X.3); Industrial Processes and Product Use – Scope 1 (IV); Agriculture, Forestry and Land Use – Scope 1 (V); TOTAL Scope 1 (Territorial emissions); TOTAL BASIC emissions; TOTAL BASIC and BASIC+ emissions]	[Numeric field]

Add another

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

3.8a: *If Global Protocol for Community-Scale Greenhouse Gas Emissions Inventories (GPC), (WRI, C40 and ICLEI) selected in Q 3.3: Please provide a breakdown of fuel use and emissions by subsector and scope as defined in the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC), (WRI, C40 and ICLEI) and upload GHG emissions report. **

Please use the "Comments" box to include any links to relevant websites

[Attachment function, 1 file, 10-megabyte max file size]

[Text Box]

3.8a: *If any other methodology selected in Q 3.3: If applicable, please upload a document containing more information about your region's GHG emissions inventory.*

Please use the "Comments" box to include any links to relevant websites.

[Attachment function, 1 file, 10-megabyte max file size]

[Text Box]

3.9: **Are your emissions broken down into Scope 1, 2 and 3?**

[LoV: Yes; No]

3.9a: *If yes: Please provide your region's Scope 1, 2 and 3 emissions (metric tonnes of CO₂e).*

Scope 1	Scope 2	Scope 3
[Numeric field]	[Numeric field]	[Numeric field]

Questionnaire 2015

3. Emissions – Region

Page 3 of 3 – Regional electricity

The regional emissions sub-section concerns information regarding the electricity consumption and generation of your region. For help answering this section, please consult the guidance document.

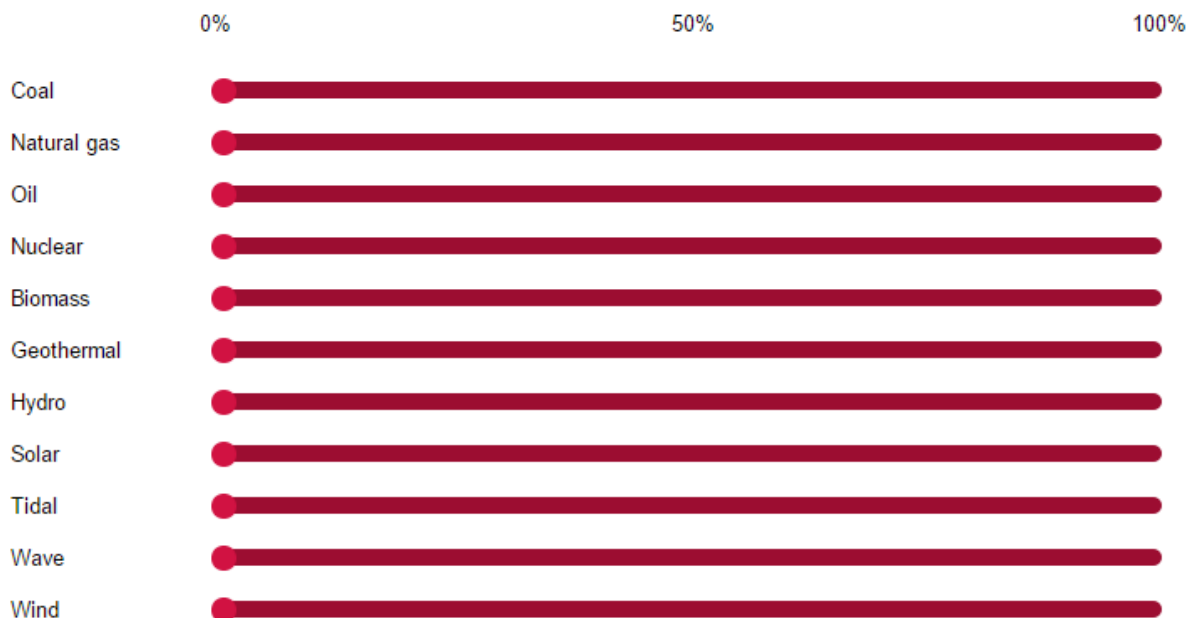
3.10: Please detail your region’s electricity generation and consumption, and the GHG emissions associated with these activities. *

	Amount of electricity	Units	Associated GHG emissions (metric tonnes of CO2e)	Comments
Electricity consumed	[Numeric field]	[LoV: GWh; MWh; kWh; TJ; GJ; MJ]	[Numeric field]	[Text box]
Electricity generated	[Numeric field]	[LoV: GWh; MWh; kWh; TJ; GJ; MJ]	[Numeric field]	[Text box]

3.11: Please detail the energy mix of your region’s electricity generation (%). *

Comments [Text box]

Make sure the sum of values on the right-hand side does not exceed 100%



Comments

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

4. Emissions – Government operations

Page 1 of 3 – Government accounting

This government emissions sub-section concerns information regarding the accounting of your government's greenhouse gas emissions. For help answering this section, please consult the guidance document.

- 4.1: Please provide the dates of the accounting year or 12-month period for which you are reporting a GHG emissions inventory for your government's emissions.**
 [Drop down calendar: From] [Drop down calendar: To]
- 4.2: Please select the category that best describes the boundary of your government's GHG emissions inventory.**
 [Radio buttons: Departments, entities or companies over which operational control is exercised; Departments, entities or companies over which financial control is exercised; Other [text box]]
- 4.3: Please indicate which of the following major sources of emissions are included in your government's GHG emissions inventory.**

Source of emissions	Status	If other, please comment
[LoV: Airport(s); Buildings; Buses; Electricity generation; Electricity transmission and distribution; Employee commuting; Incineration of waste; Landfills; Local trains; Maritime port; Vehicle fleet; Regional trains; Roads / highways; Street lighting and traffic signals; Subway / underground; Thermal energy; Waste collection; Wastewater treatment; Water supply; Other]	[List of values: Included; Not included; Not applicable]	[Text box]

Add another source

- 4.4: Please give the name of the primary protocol, standard, or methodology you have used to calculate your government's GHG emissions.**

Primary protocol	Comment
[LoV: Greenhouse Gas Protocol: Public Sector Standard; International Emissions Analysis Protocol (ICLEI); ISO 14064; Local Government Operations Protocol (ICLEI/The Climate Registry/California Climate Action Registry/California Air Resources Board); Australian National Greenhouse and Energy Reporting (Measurement) Determination; Other]	[Text box]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

4.5: Has the GHG emissions data you have reported here been externally verified either in part or in whole?
[Radio buttons: Yes; No]

4.5a: *If yes:* Please provide any other relevant information about the emission verification process, such as the verification standard or organisation, and whether the verification applies to all or just a section of your reported emissions.

Name of verifier	Year of verification	Comments
[Text box]	[LoV: 2010 – 2015]	[Text box]

4.5b: *If no:* Please describe why not and your future plans to verify your emissions, if any.
[Text box]

Questionnaire 2015

4. Emissions – Government operations

Page 2 of 3 – Government emissions

This government emissions sub-section concerns information regarding the reporting of your government's greenhouse gas emissions. For help answering this section, please consult the guidance document.

4.6: Please select which gases are included in your government's GHG emissions inventory.

- CO2 CH4 N2O HFCs PFCs SF6 NF3

4.7: Please provide total emissions (Scopes 1 and 2) for your government, and indicate if your emissions have changed since your last reported year.

Scopes are a common categorization method for organizational GHG emissions. Scope 1: All direct GHG emissions. Scope 2: Indirect GHG emissions associated with the consumption of purchased or acquired electricity, steam, heating or cooling.

	Emissions (metric tonnes CO ₂ e)	Comment on total emissions	Change in total emissions from last reported year	Comment on any change in total emissions
Total emissions (Scopes 1 & 2)	[Numeric field]	[Text box]	[LoV: Increased; Decreased; No change; First year of calculation; Other]	[Text box]
Total emissions (Scope 1 only)	[Numeric field]	[Text box]	[LoV: Increased; Decreased; No change; First year of calculation; Other]	[Text box]
Total emissions (Scope 2 only)	[Numeric field]	Text box]	[LoV: Increased; Decreased; No change; First year of calculation; Other]	[Text box]

4.8: Where it will facilitate a greater understanding of your government emissions, please provide a breakdown of these emissions by department, facility, source, GHG or by any other classification system used by your government.

Department / Facility / Source / Fuel / Other	Scope	Emissions (metric tonnes of CO ₂ e)
[Text box]	[LoV: Scope 1; Scope 2; Total figure; Other]	[Numeric field]

Add another row

4.9: Do you measure Scope 3 emissions?

[Radio buttons: Yes; No]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

4.9a: *If yes: Please complete the below.*

Source of Scope 3 emissions	Emissions (metric tonnes of CO2e)	Comments
[LoV: Employee commuting; Employee business travel; Emissions from contracted services; Upstream production of materials and fuels; Upstream and Downstream transportation of Materials and Fuels; Waste related Scope 3 emission sources; Other]	[Numeric field]	

4.9b: *If no: Please describe why not and your future plans to measure Scope 3 emissions, if any.*

[Text box]

Questionnaire 2015

4. Emissions – Government operations

Page 3 of 3 – Government electricity

This government emissions sub-section concerns information regarding the electricity consumption of your government. For help answering this section, please consult the guidance document.

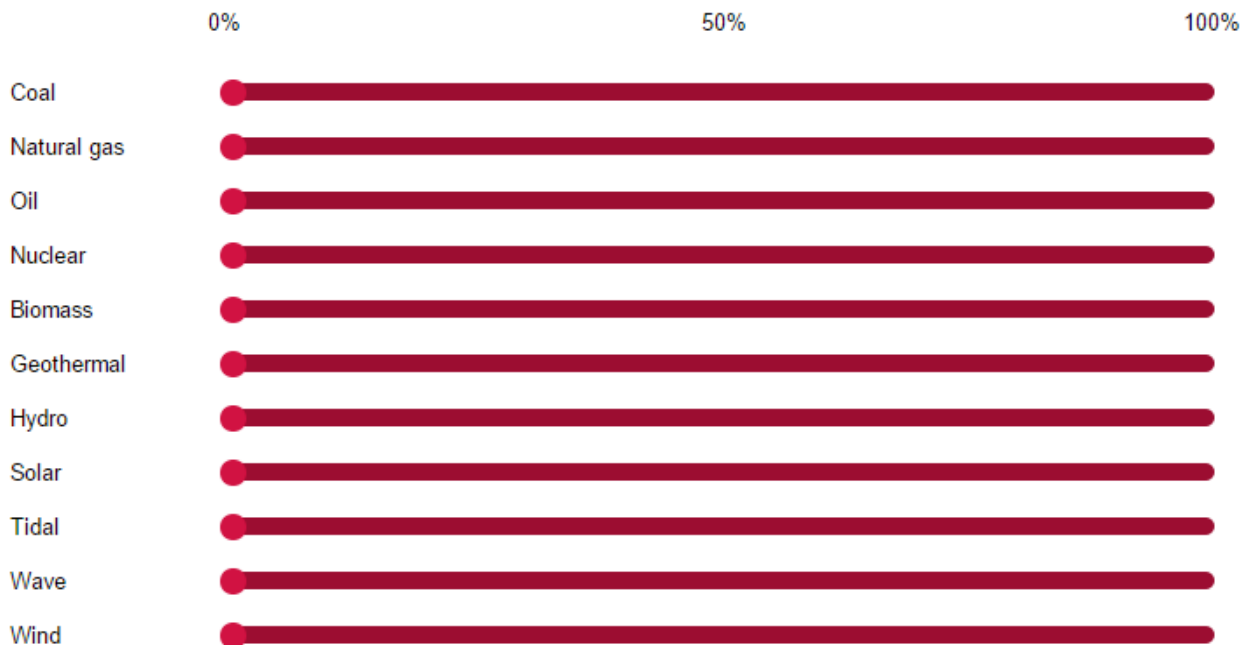
4.10: Please detail your government’s electricity consumption, and the GHG emissions associated with these activities.

	Amount of electricity	Units	Associated GHG emissions (metric tonnes of CO2e)	Comments
Electricity consumed	[Numeric field]	[LoV; GWh; MWh; kWh; TJ; GJ; MJ]	[Numeric field]	[Text box]

4.11: Please detail the energy mix of your government’s electricity consumption (%).

Comments [Text box]

Make sure the sum of values on the right-hand side does not exceed 100%



Comments

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

5. Risks and adaptation

Page 1 of 4 – Climate risks and adaptation actions

This risks and adaptation sub-section concerns information regarding the physical risks from climate change affecting your region and your adaptation actions. The information provided in this section will also be made available for the UNFCCC NAZCA portal (Non-state Actor Zone for Climate Action) to support national action for a global deal at COP 21 in Paris, 2015. For help answering this section, please consult the guidance document.

5.1: Do current and/or anticipated impacts of climate change present significant physical risks to your region?

[Radio buttons: Yes, No, Don't know]

5.1a: If yes or don't know: Please describe these current and/or anticipated impacts of climate change.

Climate change impact	Impact seriousness	Anticipated timescale	Impact description
[LoV: More hot days; Hotter summers; Greater temperature variability; More frequent heat waves; More intense heat waves; Warmer water temperatures; Changes in humidity; More frequent rainfall; More intense rainfall; Increased average annual rainfall; Reduced average annual rainfall; Reduced average annual snowfall; More frequent droughts; More intense droughts; Change in seasonality of rainfall; Increased frequency of large storms; Increased wind speeds; Sea level rise; Other]	[List of values: Extremely serious; Serious; Less serious; Other]	[List of values: Current; Short-term; Medium-term; Long-term]	[Text box]

Add another

5.1b: If yes or don't know: Please describe the adaptation actions you are taking to reduce the vulnerability of your region's citizens, businesses and infrastructure to the impacts of climate change identified in 5.1a.

Climate change impact	Adaptation action	Action description (140 characters)
[LoV: More hot days; Hotter summers; Greater temperature variability; More frequent heat waves; More intense heat waves; Warmer water temperatures; Changes in humidity; More frequent rainfall; More intense rainfall; Increased average annual rainfall; Reduced average annual rainfall; Reduced average annual snowfall; More frequent droughts; More intense droughts; Change in seasonality of rainfall; Increased frequency of large storms; Increased wind speeds; Sea level rise; Other]	[LoV: Appendix B]	[Text box]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

- 5.1c:** *If no:* Please explain why the anticipated impacts of climate change present no significant physical risks to your region.
[Text box]
- 5.2:** Please detail any compounding factors that may worsen the impacts of climate change in your region.
[Text box]
- 5.3:** Do you consider that these impacts of climate change threaten the ability of businesses to operate successfully in your region?
[Radio buttons: Yes, No, Don't know]
- 5.3a:** Please explain the reasoning behind your response.
[Text box]

Questionnaire 2015

5. Risks and adaptation

Page 2 of 4 – Water supply risk

This risks and adaptation sub-section concerns information regarding the water supply risks in your region. For help answering this section, please consult the guidance document.

5.4: Do you foresee substantive risks to your region’s water supply in the short, medium or long term?

[Radio buttons: Yes; No]

5.4a: If yes: Please identify the risks to your region’s water supply as well as the timescale and level of risk.

Risks	Timescale	Level of risk	Risk Description
[List of values: Increased water stress or scarcity; Declining water quality; Inadequate or aging infrastructure; Flooding; Higher water prices; Regulatory; Other]	[List of values: Current; Short-term; Medium-term; Long-term]	[List of values: Extremely serious, Serious, Less Serious, Other]	[Text box]

Add another

5.4b: If no: Please explain why you do not consider your region to be exposed to any substantive water-related risk.

[Text box]

5.5: If yes to 5.4: Please describe the actions you are taking to reduce the risks to your region’s water supply.

Risks	Adaptation Action	Action Description
[List of values: Increased water stress or scarcity; Declining water quality; Inadequate or aging infrastructure; Flooding; Higher water prices; Regulatory; Other]	[List of values: Conservation awareness and education; Conservation incentives; Water use restrictions; Efficiency regulations or standards; Water metering; Municipal water efficiency retrofits; Diversifying water supply (including new sources); Investment in existing water supply infrastructure; Use of non-potable water outside; Use of non-potable water indoors (within building); Watershed preservation; Stormwater management (natural or man made infrastructure); Other]	[Text box]

Add another

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

5. Risks and adaptation

Page 3 of 4 – Social risks

This risks and adaptation sub-section concerns information regarding the social risks from climate change in your region. For help answering this section, please consult the guidance document.

5.6: Does your region face any social risks as a result of climate change?

[Radio buttons: Yes, No, Don't know]

5.6a: If yes or don't know: Please complete the below.

Social risks	Anticipated timescale in years	Impact description
[List of values: Fluctuating socio-economic conditions; Increased incidence and prevalence of disease; Increased demand for public services (including health); Increased risk to already vulnerable populations; Increased conflict and/or crime; Increased resource demand; Loss of traditional jobs; Migration from rural areas to cities; Population displacement; Other]	[List of values: Current; Short-term; Medium-term; Long-term]	[Text box]

Add another

5.6b: If no: Please explain why your region is not exposed to any social risks as a result of climate change.

[Text box]

Questionnaire 2015

5. Risks and adaptation

Page 4 of 4 – Supporting documents

This risks and adaptation sub-section allows you to upload documents concerning climate change risk and adaptation actions taken by your region. For help answering this section, please consult the guidance document.

5.7: Has a climate change risk or vulnerability assessment been undertaken for your region?
[Radio buttons: Yes, No, In progress]

5.7a: If yes: Please upload your climate change risk or vulnerability assessment.
[Attachment function, 1 file, 10-megabyte max file size]

5.7b: If yes: Please select the primary process or methodology used to undertake the climate change risk or vulnerability assessment to your region.

Primary methodology	Comments
[List of values: IPCC models and climate change impact assessment guidance; OECD Strategic Environmental Assessment and Adaptation to Climate Change; UNDP climate risk management methodologies; ICLEI climate adaptation methodology (ADAPT); UK Climate Impacts Partnership Framework (UKCIP); World Bank Urban Risk Assessment (URA); Shaping climate resilient development: A framework for decision making (ECA); State or region vulnerability and risk assessment methodology; Agency specific vulnerability and risk assessment methodology; Other: Proprietary Methodology; Unknown; No evaluation done; Other]	[Text box]

5.8: Do you have a plan that addresses climate change adaptation?
[Radio buttons: Yes, No]

5.8a: If yes: Please provide the below details concerning your climate adaptation plan.

Publication title	Year of publication	Publication hyperlink
[Text box]	[LoV: 2000 - 2015]	[Text box]

5.8b: If yes: If not available online, please upload you climate adaptation plan.
[Attachment function, 1 file, 10-megabyte max file size]

5.8c: If no: Please explain why you do not have a climate adaptation plan and detail any future arrangements you have to create a plan.
[Text box]

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

6. Governance

Page 1 of 2 – Regional planning

This governance sub-section concerns information regarding your government's master planning for handling climate change in your region. For help answering this section, please consult the guidance document.

- 6.1: Please describe the process by which your regional government reviews its progress and manages overall responsibility for climate change.**
[Text box]
- 6.2: Please describe the impact of national activities on your region's own climate change activities.**
[Text box]
- 6.3: Does your region incorporate desired GHG reductions into the master planning for the region?**
[Radio buttons: Yes, No]
- 6.3a: *If yes:* Please describe the ways that the master plan is designed to reduce GHG emissions.**
[Text box]

Questionnaire 2015

6. Governance

Page 2 of 2 – Regional opportunities

This governance sub-section concerns information regarding the financial investments and business opportunities linked to climate change in your region. For help answering this section, please consult the guidance document.

6.4: Does your region provide incentives for management of climate change issues, including the attainment of greenhouse gas (GHG) reduction targets?
[Radio buttons: Yes, No]

6.4a: If yes: Please describe the incentives.

Who is entitled to benefit from these incentives?	The type of incentives	Incentive description
[List of values: Regional government employees; Regional government agencies/departments; Large commercial and industrial facilities; Businesses; Citizens; Other]	[List of values: Monetary; Recognition (non-monetary); Other non-monetary reward; Other]	[Text box]

Add another

6.5: Please list any climate change-related projects for which you hope to attract private sector involvement.
[Text box]

6.6: Does climate change provide any economic opportunities for your region?
[Radio buttons: Yes, No; Don't know]

6.6a: If yes or don't know: Please indicate the opportunities and describe how the region is positioning itself to take advantage of them

Economic opportunity	Describe how the region is maximizing this opportunity
[List of values: Development of new business industries (e.g. clean tech); Additional funding opportunities; Improved efficiency of operations; Increased energy security; Increased attention to other environmental concerns; Increased infrastructure investment; Other]	[Text box]

Add another

6.6b: If no: If no, why not? [Text box]

Questionnaire 2015

Appendix A – Emissions reduction actions

Buildings > Building codes and standards
Buildings > Building performance rating and reporting
Buildings > Carbon emissions reduction from industry
Buildings > Energy efficiency/ retrofit measures
Buildings > On-site renewable energy generation
Buildings > Switching to low-carbon fuels
Energy > Carbon capture, use and storage
Energy > Low or zero carbon energy supply generation
Energy > Optimize traditional power/ energy production
Energy > Smart grid
Energy > Transmission and distribution loss reduction
Finance and Economic Development > Carbon pricing scheme
Finance and Economic Development > Developing the green economy
Finance and Economic Development > Instruments to fund low carbon projects
Finance and Economic Development > Low-carbon industrial zones
Food and Agriculture > Encourage sustainable food production and consumption
Land use > Brownfield redevelopment programs
Land use > Compact cities
Land use > Eco-district development strategy
Land use > Green space and/ or biodiversity preservation and expansion
Land use > Low carbon industrial zones
Land use > Transit oriented development
Land use > Urban agriculture
Mass Transit > Improve bus infrastructure, services, and operations
Mass Transit > Improve fuel economy and reduce CO2 from bus and/or light rail
Mass Transit > Improve fuel economy and reduce CO2 from ferries
Mass Transit > Improve fuel economy and reduce CO2 from trucks
Mass Transit > Improve rail, metro, and tram infrastructure, services and operations
Mass Transit > Smart public transport
Outdoor Lighting > LED / CFL / other luminaire technologies
Outdoor Lighting > Smart lighting
Private Transport > Awareness and education for non motorized transport
Private Transport > Improve fuel economy and reduce CO2 from aviation
Private Transport > Improve fuel economy and reduce CO2 from motorized vehicles
Private Transport > Improve fuel economy and reduce CO2 from trucks (private)
Private Transport > Improve the efficiency of freight systems
Private Transport > Improve the operations of shipping ports
Private Transport > Infrastructure for non motorized transport
Private Transport > Transportation demand management
Waste > Improve the efficiency of long-haul transport
Waste > Improve the efficiency of waste collection
Waste > Landfill management
Waste > Recyclables and organics separation from other waste
Waste > Recycling or composting collections and/or facilities
Waste > Waste prevention policies and programs
Water > Wastewater to energy initiatives
Water > Water metering and billing
Water > Water recycling and reclamation
Other

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*

Questionnaire 2015

Appendix B – Actions to reduce vulnerability

Flood mapping
Heat mapping and thermal imaging
Landslide risk mapping
Sea level rise modeling
Biodiversity monitoring
Real time risk monitoring
Crisis management including warning and evacuation systems
Crisis planning and practice exercises
Public preparedness (including practice exercises/drills)
Community engagement/education
Projects and policies targeted at those most vulnerable
Testing/vaccination programmes for vector-borne disease
Disease prevention measures
Air quality initiatives
Incorporating climate change into long-term planning documents
Restrict development in at risk areas
Resilience and resistance measures for buildings
Hazard resistant infrastructure design and construction
Diversifying power/energy supply
Economic diversification measures
Flood defenses – development and operation & storage
Storm water capture systems
Additional reservoirs and wells for water storage
Soil retention strategies
Tree planting and/or creation of green space
Green roofs/walls
White roofs
Shading in public spaces, markets
Cooling systems for critical infrastructure
Retrofit of existing buildings
Cooling centers, pools, water parks/plazas
Cool pavement
Water extraction protection
Promoting low flow technologies
Water butts/rainwater capture
Xeriscapes – low water landscaping design
Maintenance/repair – leaking infrastructure
Optimizing delivery fuel mix of water supply
Improve water supply distribution method
Promoting and incentivizing water efficiency
Water use restrictions and standards
Water efficient equipment and appliances
Water smart metering
Water use audits
Awareness campaign/education to reduce water use
Diversification of water supply
Other

*If reporting to the Compact of States and Regions, please complete all questions marked with a "**". They are all located in sections 1. Introduction; 2. Targets and climate actions and 3. Emissions – Region.*