



Covenant of Mayors
for Climate & Energy
in **EUROPE**



Webinar | Ongoing consultation

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Recommendations towards
a common global reporting framework



Brussels, 8 June 2018



Agenda



- Short introduction | Global Covenant & Regional Covenants
- Ongoing Consultation | objectives, process, next steps
- Presentation of the recommendations towards a common global reporting framework
 1. GHG emission inventory
 2. target setting
 3. risk & vulnerability assessment
 4. climate action & energy access planning
- Q&As



Short introduction

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Global Covenant & Regional Covenants



About the Global Covenant

- Since its launch in 2008, the Covenant has progressively grown into a **worldwide city movement**, extending first to Europe's neighbours in the East (in 2011) and South (in 2012), and later to sub-Saharan African countries.
- In parallel, the Covenant of Mayors entered a major new phase of its history when **merging with the Compact of Mayors** initiative in 2017.
- The resulting **Global Covenant of Mayors for Climate & Energy** has become the largest movement of local governments committed to accelerating the transition to low-emission and climate resilient societies, while also addressing access to sustainable energy.



About the Global Covenant

+9,000 cities, representing **+770 million people** worldwide and about **10%** of the total global population, have committed to the Global Covenant of Mayors for Climate & Energy

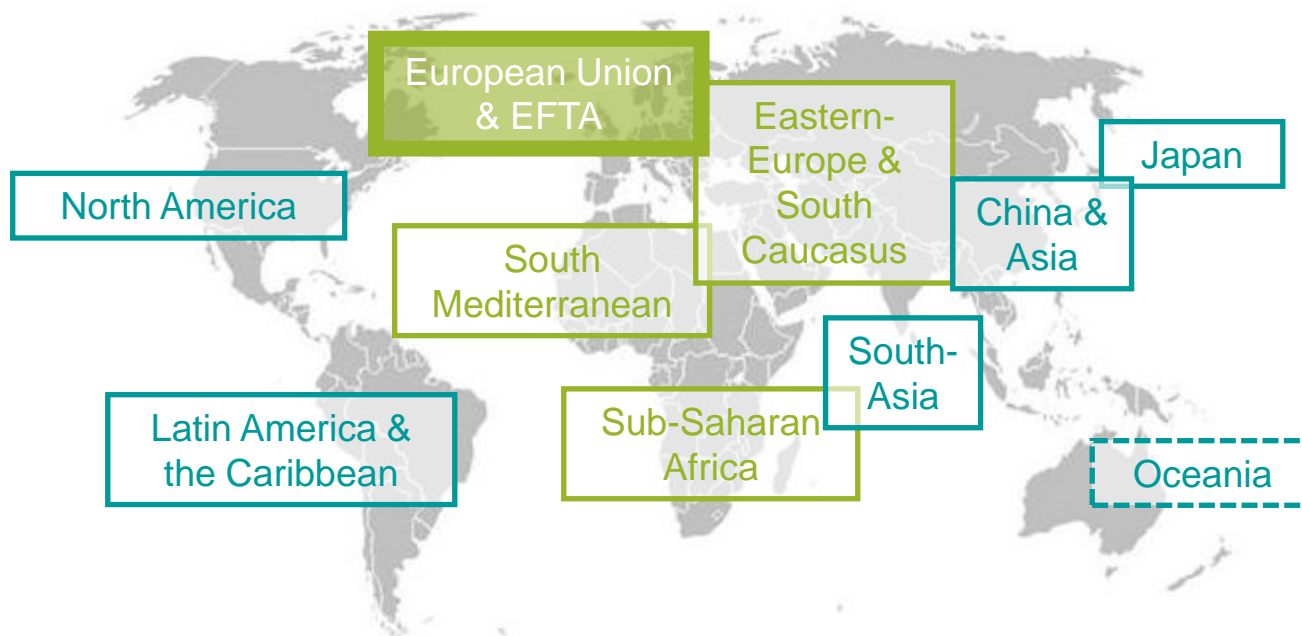


→ www.globalcovenantofmayors.org



About the Regional Covenants

- The Global Covenant now covers a total of 9 regions - all with dedicated secretariats.
- These Regional and National Covenants operate as “local chapters” of the global alliance – allowing for adjustments to regional contexts and local realities, while enhancing global significance.





Ongoing Consultation

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Objectives, process, next steps



About the ongoing consultation

- First set of recommendations released for a **common global reporting framework**, addressing 4 topic areas:
 - GHG emissions inventory;
 - target setting;
 - risk and vulnerability assessment; and
 - climate action and energy access planning
- Developed by 1 team of multidisciplinary experts from Global Covenant organisations **on the basis of regional contexts and local authority capacities**
- Built on pre-existing and broadly used reporting frameworks: the European Covenant of Mayors and the Compact of Mayors



→ Focus on the existing reporting platforms (Compact/Covenant)



« My Covenant » (available in the EU Covenant website restricted area)



About the ongoing consultation

Objectives of a common global reporting framework:

- Supporting solid climate action planning, implementation and monitoring phases – while streamlining measurement and reporting procedures
- Allowing global aggregation and comparison of data from different regions
- Showcasing achievements & tracking progress transparently – thus advocating with cities and their networks for better multilevel governance, and for improved technical and financial support



About the ongoing consultation

- 1 **consultation document** & 1 **online survey** available in 10 languages (incl. EN, FR, IT, PT, ES):

<https://www.globalcovenantofmayors.org/common-global-reporting-framework/>

- Structure of the survey:

- Overall appreciation: relevance, clarity & accuracy, flexibility, completeness, minimum level of requirement, feasibility
- Specific questions for the 4 topic areas
- More general comments & suggestions

- Deadline: **15 June**..., extended until **21 June**!



About the ongoing consultation

What next?

- The recommendations will be refined based on the outcomes of the consultation process to ensure they best meet local governments' needs – **seize the opportunity to convey your views and suggestions in the survey!**
- The final recommendations towards a common global reporting framework – to be expected **by early 2019** – will, in any case, allow for the **continuation of the already-existing reporting requirements** by current European Covenant signatories.
- More information will follow soon, e.g. updates on reporting platforms, further guidance and tool to support the process... – **stay tuned!**



Presentation of the recommendations

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Towards a common global reporting framework



About the recommendations

Reporting Levels – proposed minimum requirements are indicated using the following language:

- **“Shall”** is used to indicate what is required (mandatory)
- **“Should”** is used to indicate what is strongly advised (recommended)
- **“May”** is used to indicate an option that is allowable (optional)



About the recommendations

Flexibility has been built in to accommodate limitations in data availability through the use of **notation keys**:

- **NO - not occurring**: An activity or process does not occur or exist within the city. May also be used for insignificant sources.
- **IE - included elsewhere**: GHG emissions for this activity are estimated and presented in another category in the same inventory, stating where it is added.
- **NE - not estimated**: GHG emissions occur but have not been estimated or reported, with a justification why.
- **C - confidential**: GHG emissions which could lead to the disclosure of confidential information, and as such as not reported publicly.

Survey
question

11

1. GHG emissions inventory



General Information Reported:

	Covenant in Europe	Global Covenant proposal
Inventory year	✓	✓
Geographic boundary	✓	✓ (description + accompanying map)
Residential population	✓	✓
GDP	No	Optional
Heating or cooling degree days	No	Optional
GHGs	CO ₂ or CO ₂ e	<ul style="list-style-type: none"> • CO₂ or CO₂e at minimum • CH₄ and N₂O also recommended
Emission sources	Buildings* (disaggregated by building type), transport*, industry, agriculture-forestry-and-fisheries, waste, waste water, other	Buildings* (disaggregated by building type), transport* (disaggregated by transport mode), industry*, agriculture-forestry-and-fisheries*, waste* (► <u>possible use of notation keys</u>)
Emission factors	IPCC or LCA	IPCC (recommended) or LCA
Fugitive emissions	No	✓ (within city boundary)
ETS emissions	No	✓ (should be identified)
Global Warming Potential	No	✓ (Should disclose which GWP factors used)

Survey
Qs 10,
11, 12

Survey
Q13

*:mandatory

→ Focus on emission sources



Topic	Covenant in Europe	Global Covenant proposal	
Buildings / Stationary Energy	<ul style="list-style-type: none"> Residential / tertiary / municipal buildings Public lighting Industries (ETS not recommended) Agriculture, forestry, fisheries 	<ul style="list-style-type: none"> Residential/ commercial / institutional buildings and facilities Industry, including emissions from non-ETS and ETS (or similar) Agriculture, forestry, fisheries Fugitive emission from fossil fuels required 	<p>All GHG emissions from fuel combustion in stationary sources within the city boundary, consumption of grid-supplied energy consumed within the city boundary and fugitive emissions within the city boundary.</p> <p>Survey Q12</p>
Transport	<ul style="list-style-type: none"> Municipal fleet Public transport Private and commercial transport 	<ul style="list-style-type: none"> on-road and rail (disaggregated by municipal fleet, public transport and private and commercial transport) waterborne navigation aviation off-road 	<p>All GHG emissions from fuel combustion and use of grid-supplied energy for transportation within the city boundary.</p> <p>In case waterborne navigation, aviation and off-road are significant, the notation key NO shall be used.</p> <p>Survey Q12</p>

→ Focus on emission sources



Topic	Covenant in Europe	Global Covenant proposal	
Waste	<ul style="list-style-type: none"> Waste and wastewater (optional) 	<ul style="list-style-type: none"> Disposal of solid waste Biological treatment Incineration and burned waste Wastewater 	<p>All GHG emissions from waste disposal and treatment of waste generated within the city boundary. Where waste is used for energy generation, emissions do not need to be reported here. Instead, the notation key “IE” shall be used.</p>
Energy generation	<ul style="list-style-type: none"> Electricity-only combined heat and power (CHP) heat/cold production plants 	<ul style="list-style-type: none"> electricity-only combined heat and power (CHP) heat/cold production plants 	<p>All GHG emissions from generation of grid-supplied energy within the city boundary and all GHG emissions from generation of grid-supplied energy by facilities owned (full or partial) by the local government outside the city boundary.</p>
	<p>ETS & large-scale plants not recommended</p>	<p>ETS emissions should be identified</p>	



2. Target Setting

- **Boundary:** consistent with GHG inventory (any discrepancies specified/justified)
- **Type:** base year; **base year intensity**; **baseline scenario** or **fixed-level**
- **Target year:** same as NDC or as set by national chapter (for target years beyond 2030, interim 2030 target shall be included)
- **Base year:** same as NDC or as set by national chapter
- **Ambition:** as ambitious as unconditional components of NDC
- **Use of transferable emissions:** Only permissible where target ambition exceeds that of the NDC
- **Conditionality:** Permissible but conditional components shall be stated and identified

Survey
question
14

Survey
question
15

3. Risk & Vulnerability Assessment



	Covenant in Europe	Global Covenant proposal
R&V Assessment Document	Title* / author* / year* / description / boundary / method-source* / link*	Title* / author* / year*-last update / <i>description</i> / boundary* / <i>method</i> -source* / link*
Climate Hazards	<ul style="list-style-type: none"> - Current risk level* - Expected change in intensity / frequency / timeframe* - Risk-related indicators 	<ul style="list-style-type: none"> - Current risk level (probability x consequence) - Expected change in intensity / frequency / timeframe* - Vulnerable population groups (e.g. poor, elderly)
	<ul style="list-style-type: none"> - Impacted sectors, description of the impact(s)*, likelihood of occurrence*, expected impact level*, timeframe* 	<ul style="list-style-type: none"> - Impacted sectors/assets/services* (at least 5), description, magnitude

Survey question 15

→ Focus on Climate Hazard Types:

European Covenant	Global Covenant Proposal		European Covenant	Global Covenant Proposal	
Extreme Precipitation	Extreme Precipitation	Rain storm	Droughts	Water scarcity	Drought
		Monsoon	Forest Fires	Wild fire	Forest fire
		Heavy snow		Land fire	
		Fog	Floods / sea level rise	Flood and sea level rise	Flash / surface flood
		Hail			River flood
Storms	Storm & wind	Severe wind			Coastal flood
		Tornado			Ground-water flood
		Cyclone (Hurricane / Typhoon)			Permanent inundation
		Extratropical storm	Landslides	Landslide	
		Tropical storm		Avalanche	
		Storm surge		Rockfall	
		Lightning / thunderstorm		Subsidence	
		Extreme Cold	Extreme cold temperature	Extreme winter conditions	Other
Cold wave	Vector-borne disease				
Extreme cold days	Air-borne disease				
Extreme Heat	Extreme hot temperature	Heat wave	Chemical change	Insect infestation	
		Extreme hot days		Salt water intrusion	
					Ocean acidification
					Atmospheric CO2 concentrations



→ Sectors, assets & services:

European Covenant	Global Covenant Proposal
Buildings	Residential
	Commercial
	Industrial
Transport	Transport
Energy	Energy
Water	Water Supply & Sanitation
Waste	Waste Management
Land Use Planning	Land Use Planning
Agriculture & Forestry	Food & Agriculture
Environment & Biodiversity	Environment, Biodiversity & Forestry
Health	Public Health
Civil Protection & Emergency	Law & Order
	Emergency Services
Tourism	Tourism
	ICT (Information and Communications technology)
Other	Education
	Society/Community & Culture
	Other

3. Risk & Vulnerability Assessment



	Covenant in Europe	Global Covenant proposal
Adaptive capacity	No	Description of the factors(s) (e.g. socio-economic, governmental, physical)*, degree to which the factor challenges the adaptive capacity*
Major climate hazards that <u>occurred in the past year</u>	No	Scale of the hazard* / current risk level of the hazards (probability X consequence)* / intensity and frequency* / (at least 5) sectors, assets, or services most impacted by the hazard and the magnitude* / vulnerable population groups most affected by the hazard*
Status in the adaptation cycle	Yes (self-assessment checklist or « scoreboard »)	No



3. Risk & Vulnerability Assessment



NOTES:

- Boundary of assessment equal to or greater than the city boundary
- A glossary of key terms and definitions provided
- Terminologies and definitions used in the reports shall be consistent with those used in the IPCC 5th Assessment Report (and following reports) as well as with the national frameworks/requirements

4. Climate Action & Energy Access Planning



ACTION PLAN

(Separate or integrated) action plan for mitigation and adaptation	Mandatory
Mitigation/adaptation goal(s), incl. (if available) sectoral target(s)	Mandatory
Submission to Regional Covenant (preferably online)	Mandatory
Date of formal adoption	Mandatory
Description of stakeholder engagement process in development of plan	Mandatory
Description of prioritization process of actions	Recommended
Identification of synergies, trade-offs and co-benefits of mitigation and adaptation	Mandatory

INDIVIDUAL ACTIONS

Description	Mandatory (in the Climate Action Plan document)
Responsible (implementing) body	Mandatory
Stakeholders involved	Mandatory
Policy instrument foreseen, when appropriate	Recommended
Financial strategy	Mandatory
Implementation status, cost and timeframe	Mandatory
Assessment of energy savings, renewable energy production and GHG emissions reduction per key mitigation sector	Mandatory (inclusion of figures recommended)

4. Climate Action & Energy Access Planning



MONITORING

Monitoring, tracking and reporting progress towards commitments in the climate action plan	Mandatory - performed by city and publicly disclosed
Status of the implementation of each action in the climate action plan	Mandatory
Monitoring the costs of each action	Recommended
Provisions for updating the Action plan (both mitigation and adaptation) when needed	Mandatory to update and resubmit the action plan when there are significant changes

Updated data policy

EVALUATION AND FEEDBACK

Evaluation on mitigation and adaptation by an independent body providing a feedback report to the city (and city networks)	By an independent body and to be decided Regionally
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NOTE:

Concerning the “Energy Access” pillar, **detailed requirements are still being defined**



Proposed Reporting Timelines

Reporting Elements	Commit to join GCoM (Year 0)	Year 1	Year 2	Year 3	Year 4	Year 5
GHG emissions inventory	submit by year 2 at the latest					
Risk and vulnerability assessment	submit by year 2 at the latest					
Targets and goals (mitigation and adaptation)	submit by year 2 at the latest					
Climate action plan(s)	submit by year 3 at the latest					
Energy access plan	To be defined					
Progress report					Every two years after submitted the climate action plan	

In line with the Covenant-EU reporting timeframe!



Q&As

Any 1st impressions & reactions? Any questions?



Relevance?

*Clarity &
accuracy?*

Flexibility?

Complexity?

Completeness?



Lucie Blondel, Climate Alliance

European Covenant of Mayors Office Head

lucie.blondel@eumayors.eu

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European Commission's Joint Research Centre

JRC-COM-TECHNICAL-HELPDESK@ec.europa.eu



Global Covenant of Mayors Secretariat

info@globalcovenantofmayors.org