

# The Assessment of the Covenant of Mayors for Climate and Energy Initiative

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## ABSTRACT

Cities and local authorities are key players in implementing the clean energy transition and addressing climate change. Since 2008, the European Commission endorses and supports their efforts through the **Covenant of Mayors for Climate and Energy** and notably through the provision of capacity building, technical assistance, sharing of best practices and peer learning opportunities.

The initiative helps consolidate practices to monitor and report on energy consumption and GHG emissions as well as on risks and vulnerabilities at the local level, allowing decision-makers to identify priority sectors, set emission reduction targets and climate change adaptation goals and plan relevant measures.

Cities adopts integrated planning approaches allowing identifying complementarities and developing synergies with other planning instruments and policies.

Great variety of options included in the policies - key role of local governments in contributing to the mitigation and adaptation framework with experimental and innovative approaches and local specificities' concern.

Synergies between actions and sectors within the plan can enhance successful outcomes, avoid maladaptation and strengthen the framework for original solutions.

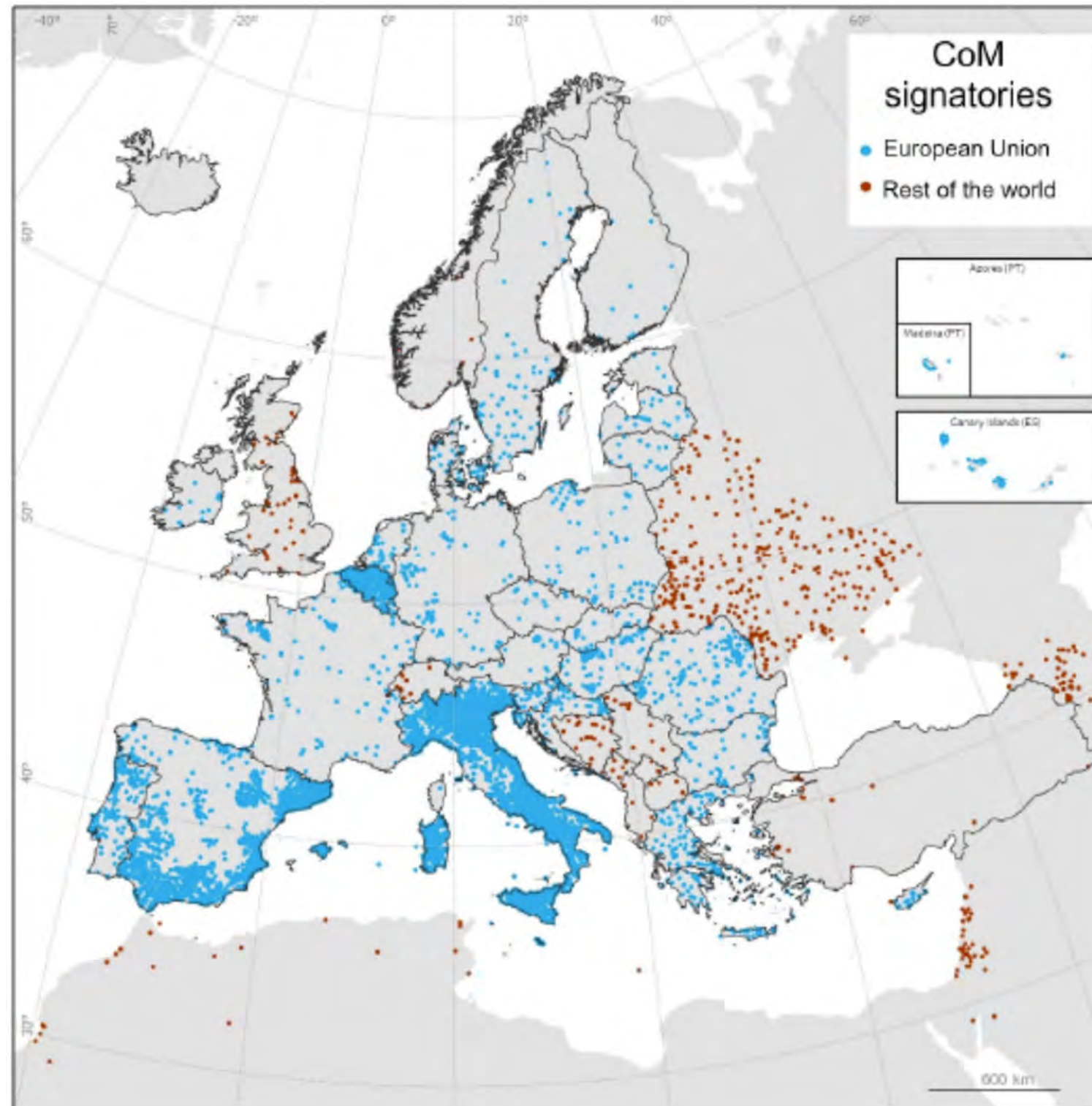
# Timeline



## Number of Participants

Area	No. of signatories	Population
European Union	9,858	217,395,470
Eastern Partnership (CoM-East)	480	32,634,542
Europe - Non EU	159	34,395,019
Southern Mediterranean (CoM-South)	78	8,476,388
Rest of the world	54	35,541,384
<b>Total</b>	<b>10,629</b>	<b>328,442,803</b>



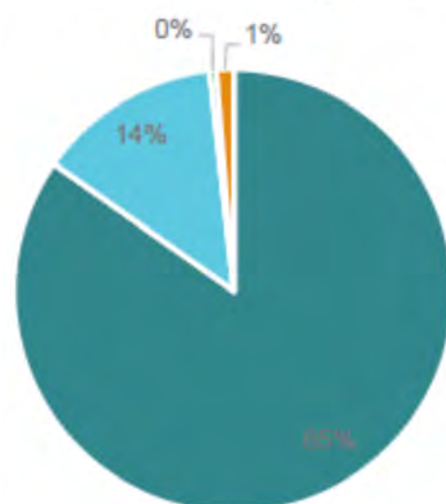


- 93% of the signatories come from the EU-27
- **1 EU citizen out of 2** lives in a city or town committed to the CoM

# Action Plans

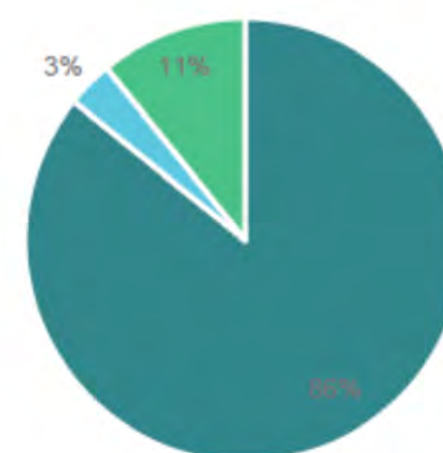
- **6,839** organisations submitted their Action plans:
  - 5,796 covering only mitigation
  - 923 covering both pillars (mitigation + adaptation)
  - 33 covering only adaptation
  - *87 were excluded from the sample due to data completeness/consistency issues*

Action plans by pillar



■ Mitigation only ■ Mitigation & Adaptation ■ Adaptation only ■ Removed from the sample

Action plans by mitigation target year

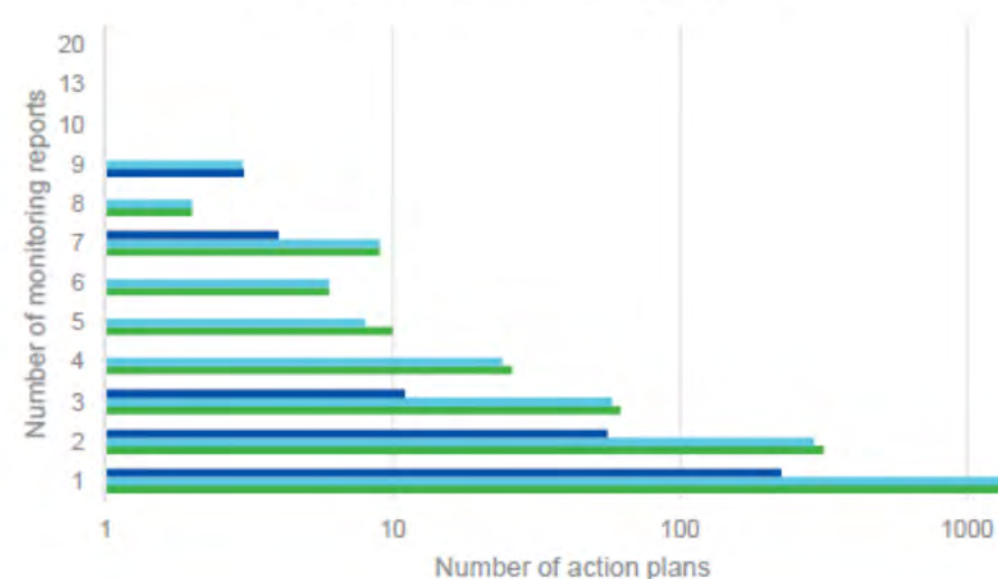


■ 2020 target only ■ 2020 and 2030 target ■ 2030 target only

## Monitoring Reports

Area	No. of APs with at least one monitoring report
European Union	2,520
Eastern Partnership (CoM-East)	60
Europe - Non EU	18
Southern Mediterranean (CoM-South)	1
Rest of the world	3
<b>Total</b>	<b>2,602</b>

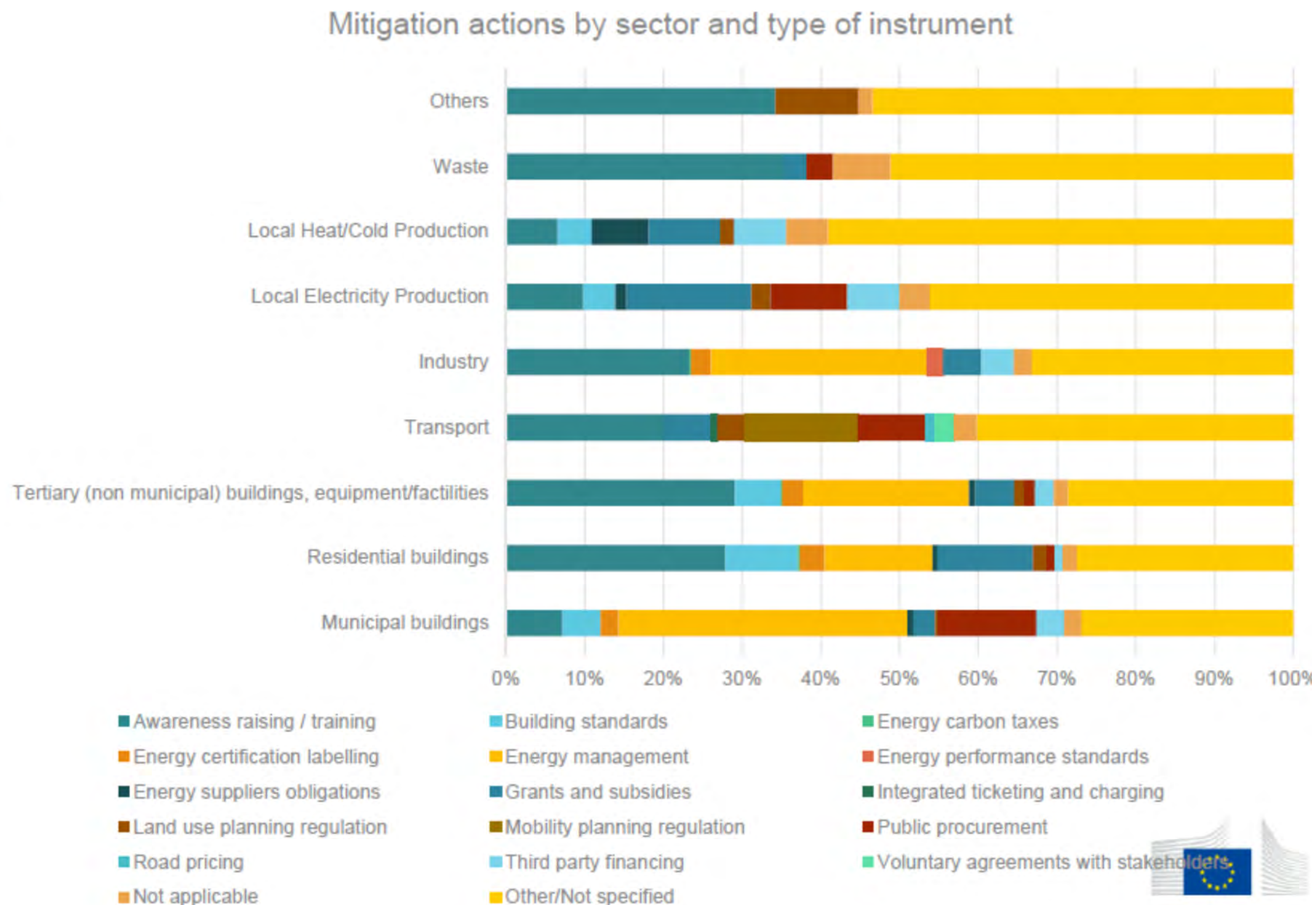
Frequency of monitoring reports





# Mitigation Actions

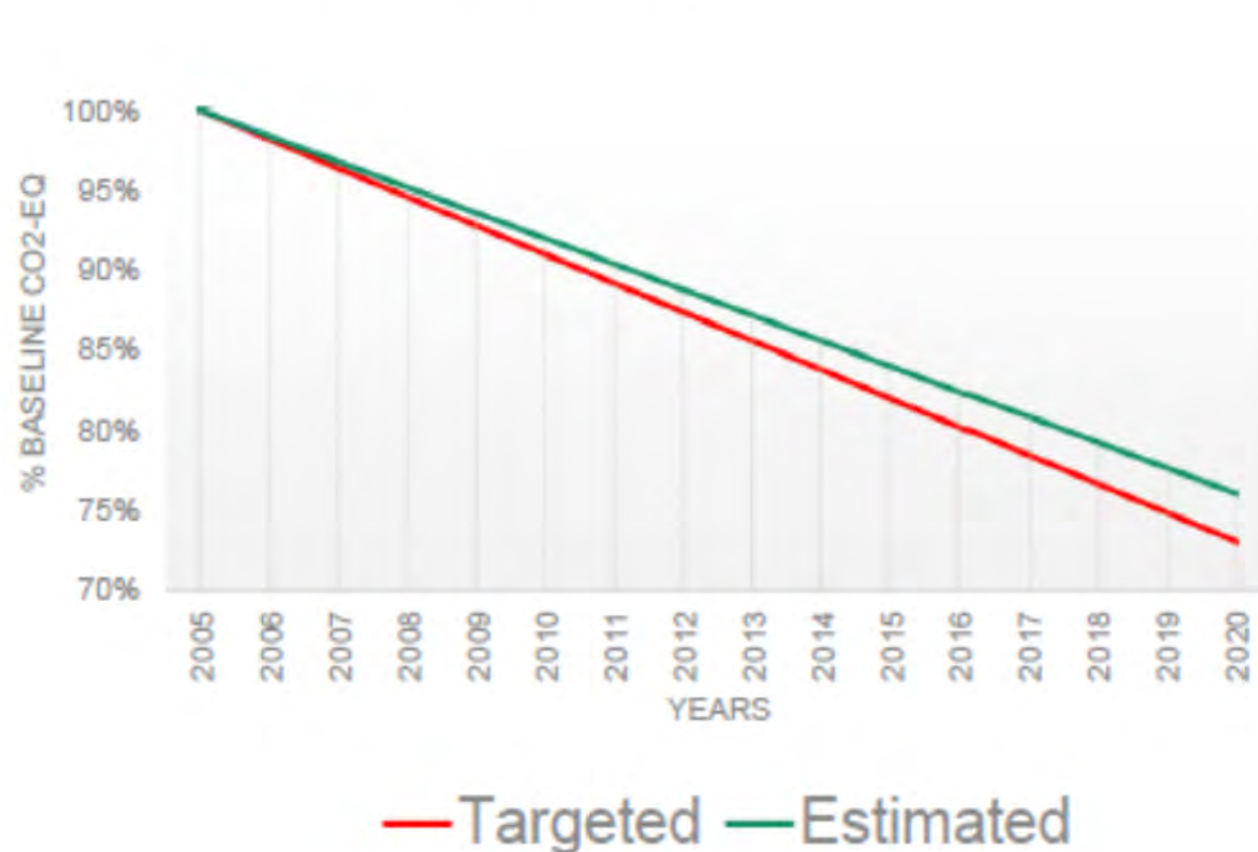
The action plans analysed contain almost **183,000** mitigation actions, with different policy instruments



# Achievements EU – 2020 & 2030 commitments

- For 2020, cities committed to reducing their emissions by 26%, accomplishing a **24%** reduction.

Trajectories of the 2020-targets and estimated emissions for EU action plans



- For 2030, cities committed to reducing their emissions by 47%, and they are expected to accomplish a **36.5%** reduction.

Trajectories of forecasted emissions and 2030 targets in EU action plans





# Adaptation Pillar in the Covenant

- **3,942** signatories committed to adaptation (**37%** of CoM signatories)
  - 2,7% committed to adaptation only (Mayors Adapt), 98,3% committed to adaptation with the 2030 commitment
  - 3,515 expected action plans (81 coming from groups covering multiple signatories)
- **956** submitted adaptation action plans (**27%** of expected plans)
  - 852 (89%) action plans include a “Risk & Vulnerability Assessment”
  - 427 (45%) action plans include “Adaptation Goals”
  - 484 (51%) action plans include “Adaptation Actions”

More than **10,000** detailed adaptation actions reported (from 854 action plans)

- **16%** are reported as “mitigation + adaptation” actions

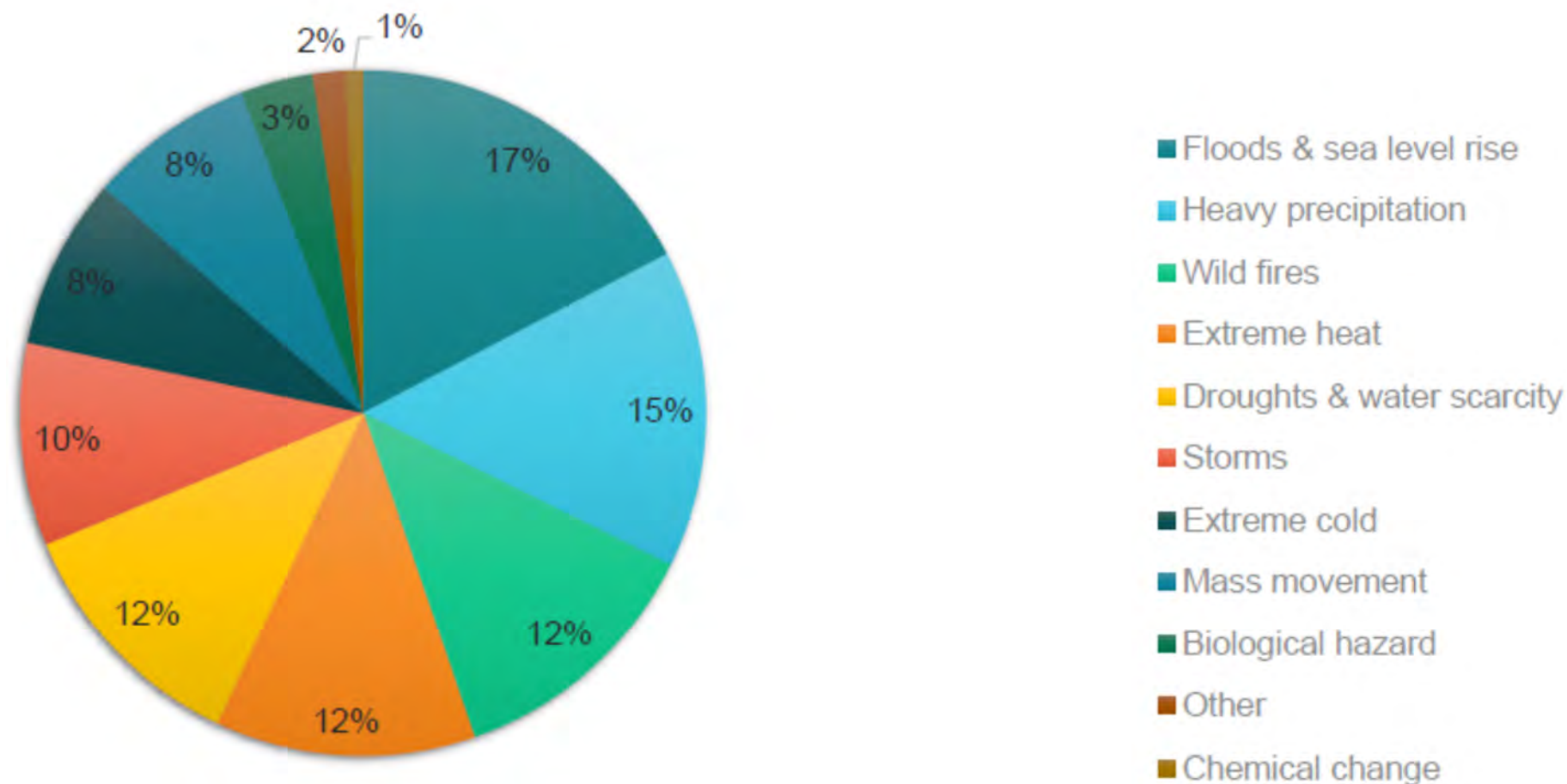
## Adaptation actions reported:

- Most addressed hazards are: “Extreme heat”, “Droughts & Water scarcity”, “Heavy precipitation”
- Most targeted sectors are: “Water”, “Environment & Biodiversity”, “Buildings”
- Most targeted population groups are: “All”, “Children”, “Elderly”

- **530** monitoring reports with information on adaptation

- **5,535** (51%) adaptation actions reported as completed or ongoing

## RVA: Most Reported Hazards



All the climate hazards are showing predominantly **high/medium impact** and with expected **increase in intensity in the future**

# Adaptation Actions

