

Exploring the insights of MyCovenant: Europe's Most-Utilized Web-Based Climate Platform for Local Adaptation Planning

THE COVENANT & JRC

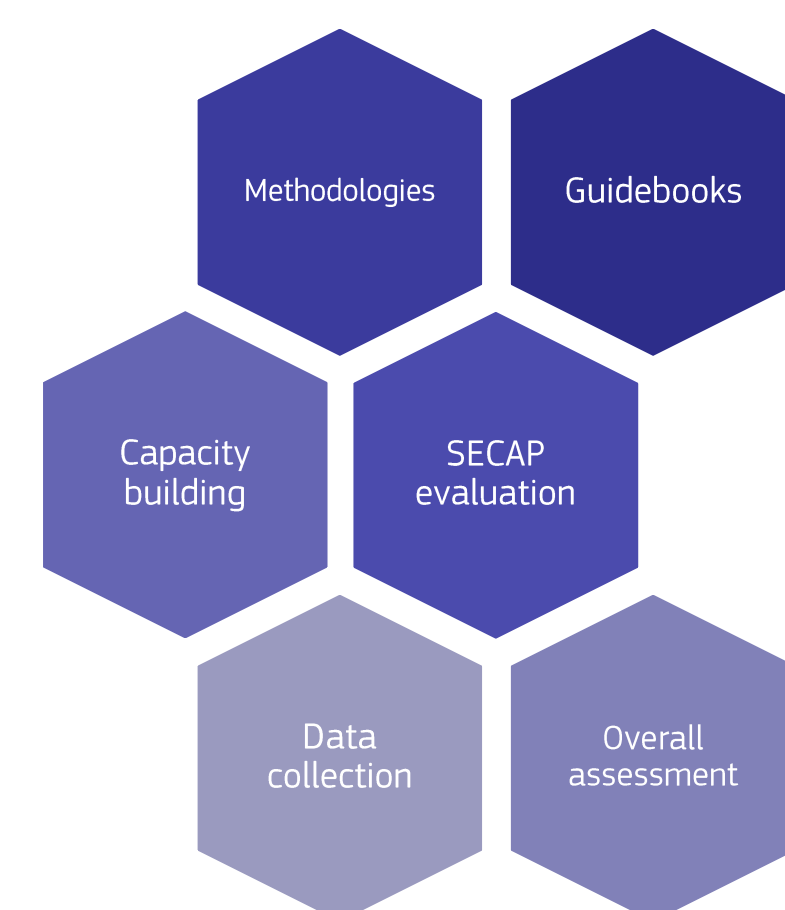


Figure 1. Role of JRC in the Covenant

Cities and local authorities are key players in addressing climate change. Since 2008, the European Commission endorses and supports their efforts through the Covenant of Mayors for Climate and Energy (CoM) and notably through the provision of capacity building, technical assistance, sharing of best practices and peer learning opportunities. MyCovenant is the European platform of the Covenant of Mayors, where signatories can report their climate action plans, get feedback from the JRC, and connect with the Covenant community. JRC analyses and publishes reports and data on a regular basis (see on the right).

CLIMATE ADAPTATION ACTIONS IN EUROPEAN CITIES

More than 15.200 adaptation actions are reported by signatories addressing high risk hazards and most vulnerable groups. In fact, several vulnerable population groups - including the elderly, persons living with chronic diseases, low-income households, and persons living in sub-standard housing - are exposed to climate hazards. Additionally, the most reported high-risk hazards - such as extreme heat, droughts & water scarcity, wild fires, and heavy precipitation - affect 33.3 million people.

The most addressed hazards are: "Extreme heat", "Droughts & Water scarcity", and "Heavy precipitation". The most targeted sectors are: "Water", "Environment & Biodiversity", and "Buildings". While there is still a gap between identified risks & vulnerabilities and action taken, 57 % of signatories reporting at least one high-risk hazard are also reporting already at least one matching action to address it.

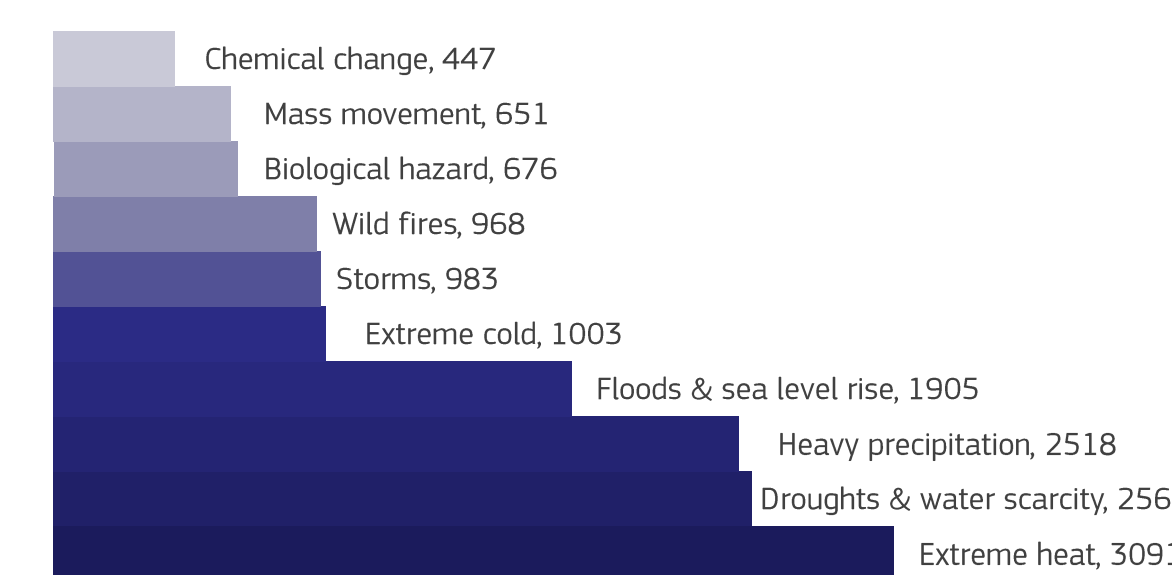


Figure 4. Adaptation actions and most addressed climate hazards.

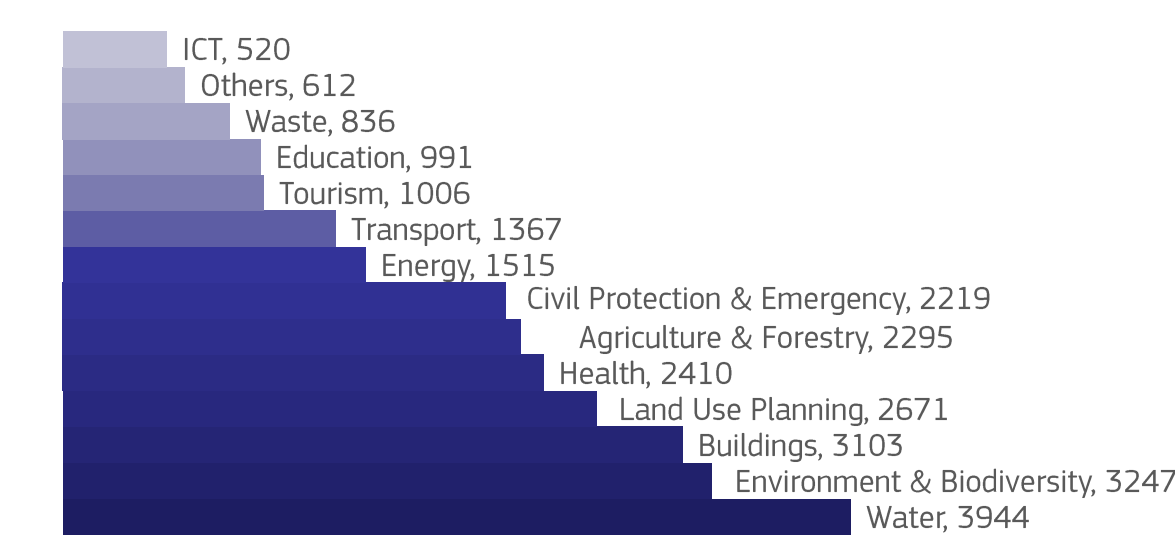


Figure 5. Adaptation actions and most targeted vulnerable sector.

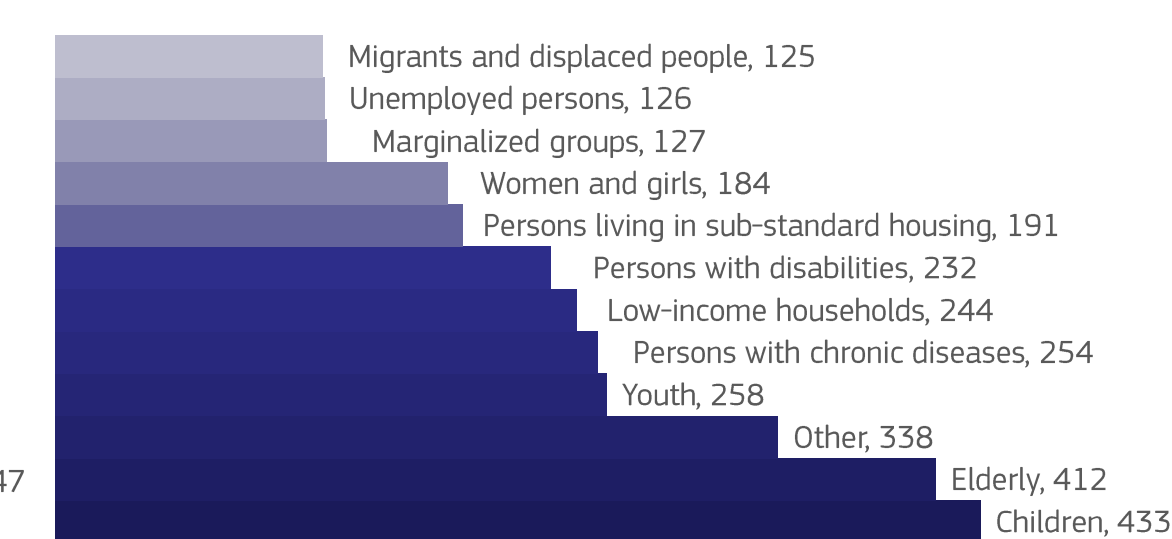


Figure 6. Adaptation actions and most targeted vulnerable population group.

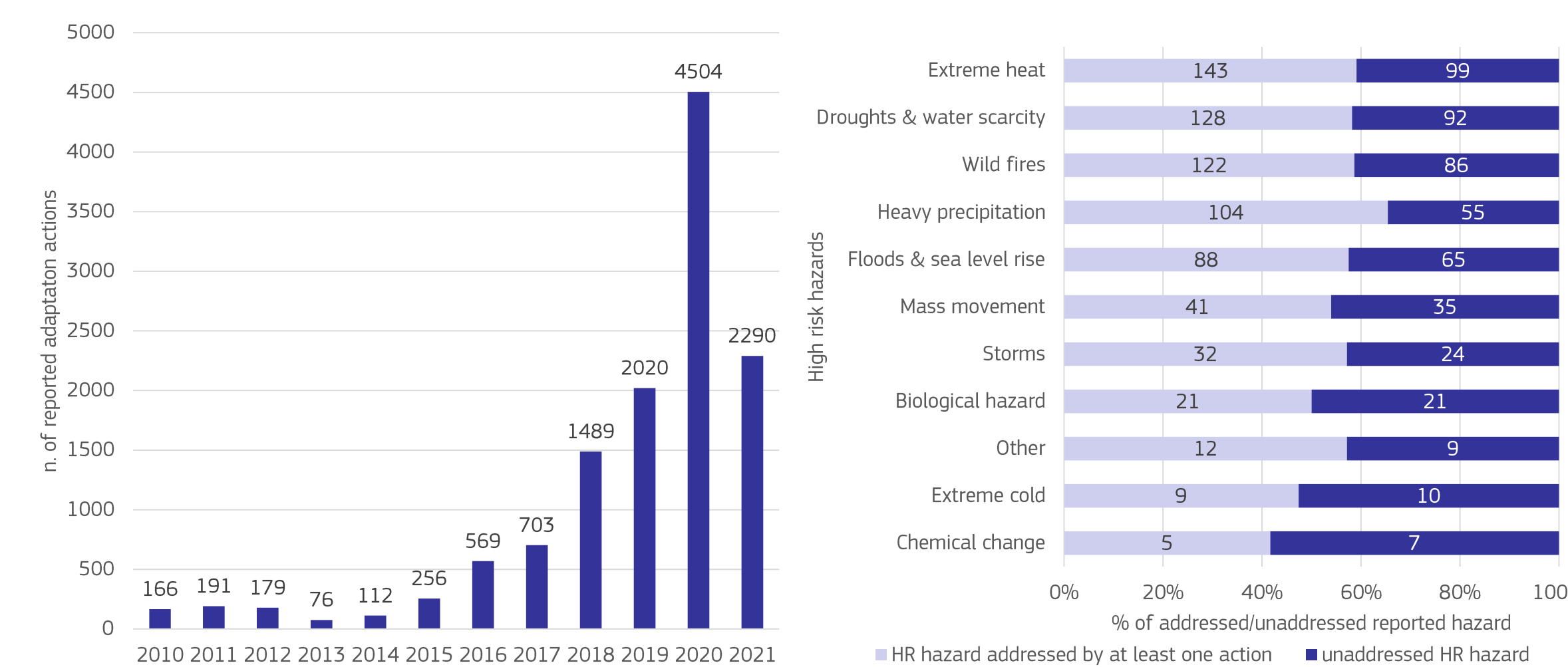
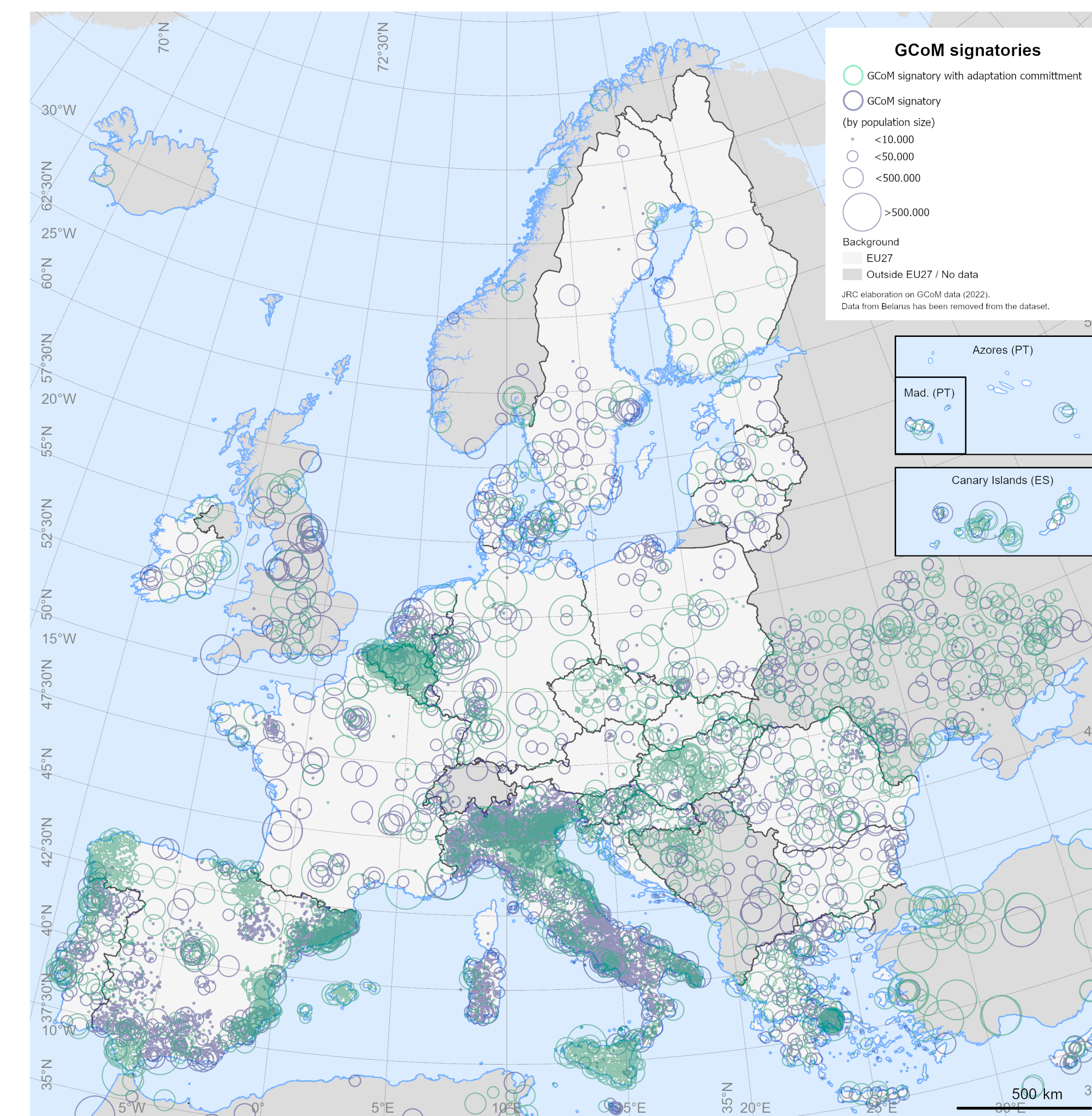


Figure 7-8. Adaptation actions with their reported implementation start year (left). Proportion of signatories reporting a "high risk" hazard also reporting at least a matching action (right).



More than **4.500** Covenant signatories have committed to adaptation and more than **1.300** have already submitted a **climate adaptation plan**.

Find more insights on the "Covenant of Mayors 2022: Assessment".

Adaptation data from MyCovenant platform are analysed by JRC and published as **open data** at:

<https://data.jrc.ec.europa.eu/collection/id-00354>



<https://mycovenant.eumayors.eu/>

MyCovenant is a climate reporting platform used by more than **10.000** local authorities in Europe in the framework of the Covenant of Mayors for Climate and Energy.



This web-based platform provides support to help cities in committing to adaptation, conducting a **risk and vulnerability assessment**, setting **adaptation goals** and **quantitative targets**, and defining **adaptation actions** to meet them. As part of the community, local authorities receive **support** and assistance, free of charge, in developing their climate adaptation efforts, including receiving a **technical feedback report** from the Joint Research Centre of the European Commission.

| Climate hazards | Current risk of hazard occurring | | Future hazards | |
|---------------------|----------------------------------|------------------|-------------------------------------|-------------------------------------|
| | Probability of hazard | Impact of hazard | Expected change in hazard intensity | Expected change in hazard frequency |
| Extreme heat | High | High | Increase | Increase |
| Extreme cold | Moderate | Moderate | Decrease | Decrease |
| Heavy precipitation | High | High | Decrease | No change |

User's view of the platform: **reporting corner** (including new tools and visualizations), **assessment** (including the new air quality tool and the JRC assessment), and **capacity sharing corner**.

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