

# Systematic observation of greenhouse gases (GHG) to support climate action in cities and regions

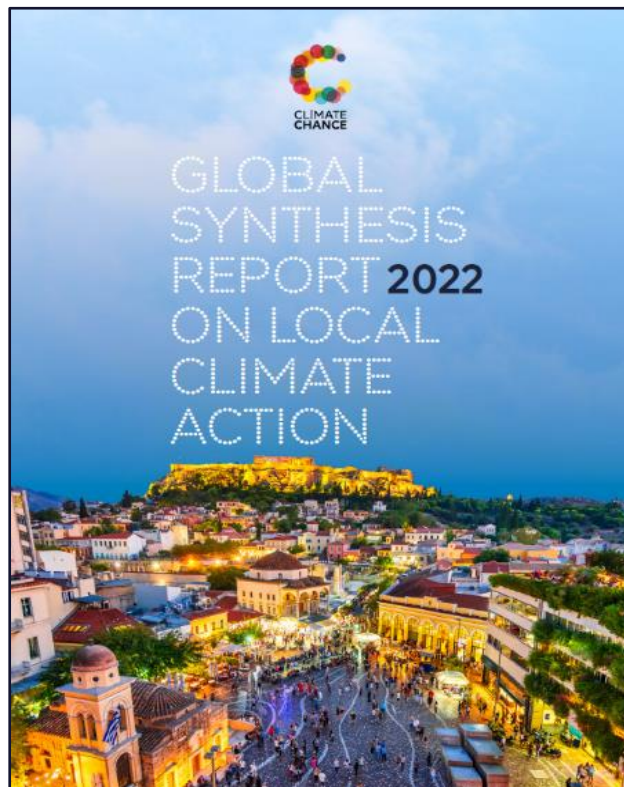
*The Observatory: Telling the story behind the figures*

Filling the data gap with qualitative analysis of implemented climate action





# The Global Observatory of climate action



Local governments



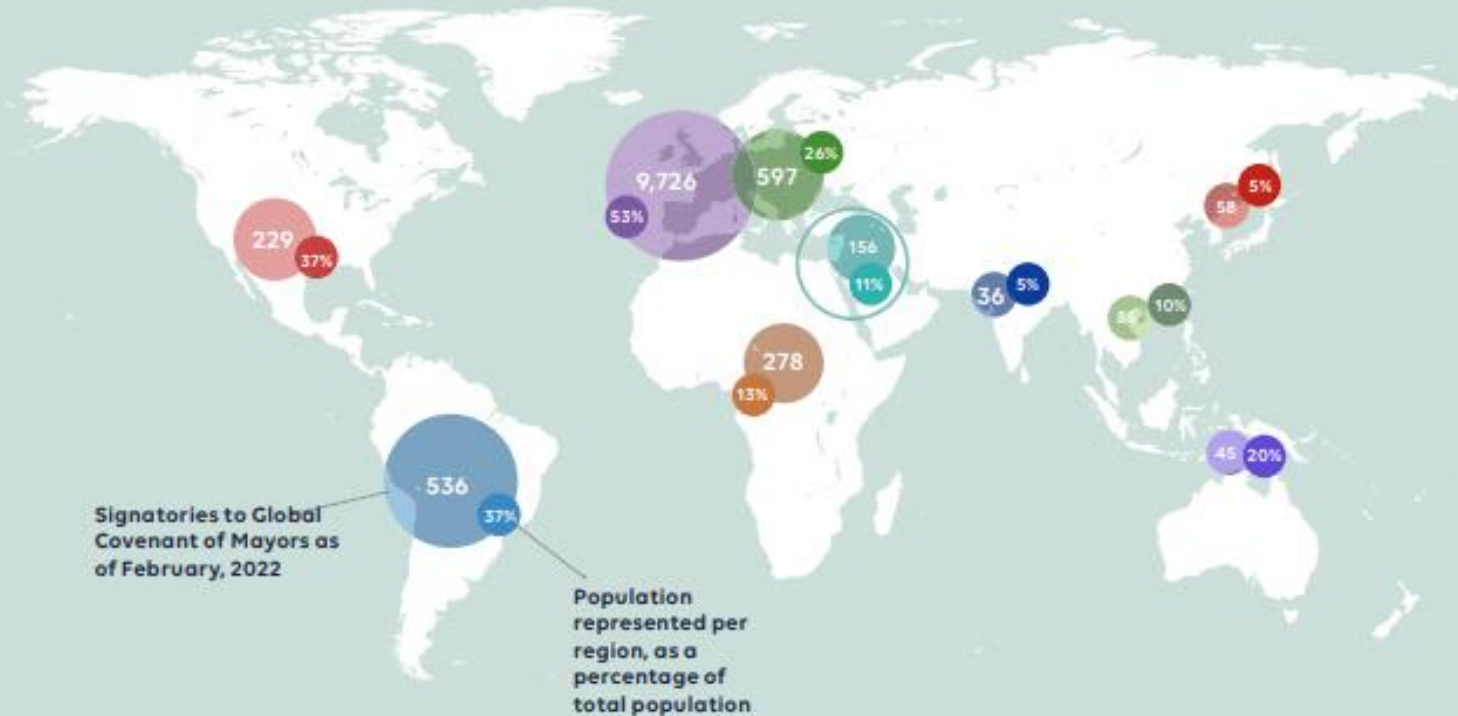
Climate finance



Sectors



# Global state of emission reporting



## Global Covenant of Mayors

- 11,740 signatories
- 13% of world population
- Mitigation potential = 1.9 GtCO<sub>2</sub>e/y in 2030
- Common Reporting Framework (since 2018):
  - CDP-ICLEI Unified Reporting System
  - EU Covenant of Mayor's "My Covenant"



# Global state of emission reporting



European Covenant of Mayors' signatories mostly reached their targets...

- 1,643 cities with at least one Monitoring Emission Inventory (MEI)
- 19.5% average emission reduction from BEI to MEI
- 40% overshoot their 2020 target
- 82% approach their 2020 target



... yet a timing gap remain between emission inventories and decision-making.

- 2014: the average last emission monitoring year

Source: Rivas, S., Urraca, R., Palermo, V., Bertoldi, P. (2022). [Covenant of Mayors 2020: Drivers and barriers for monitoring climate action plans](#). *Journal of Cleaner Production*



# Global state of emission reporting

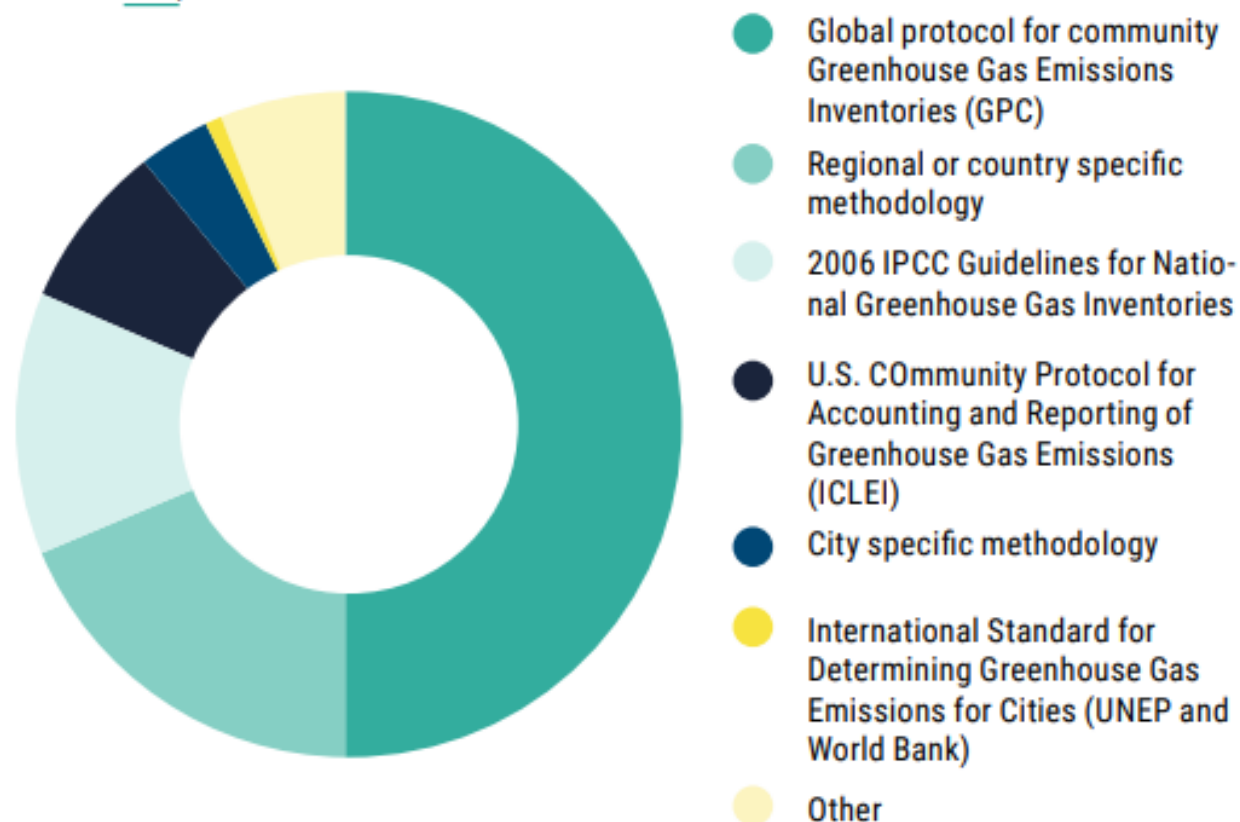


## CDP-ICLEI Unified Reporting System

- Slight decrease in reporting in 2021...
- ... yet rising mitigation results
- Drivers of mitigation:
  - Technological change (26.2%)
  - Behavioural change (11.5%)
  - Policy change (8.9%)
  - *Change in accounting methodology/ data access (13.6%)*

## SHARE OF EMISSION INVENTORY METHODOLOGIES USED BY REPORTING CITIES ON CDP PLATFORM IN 2021

Source: [CDP](#), 2021



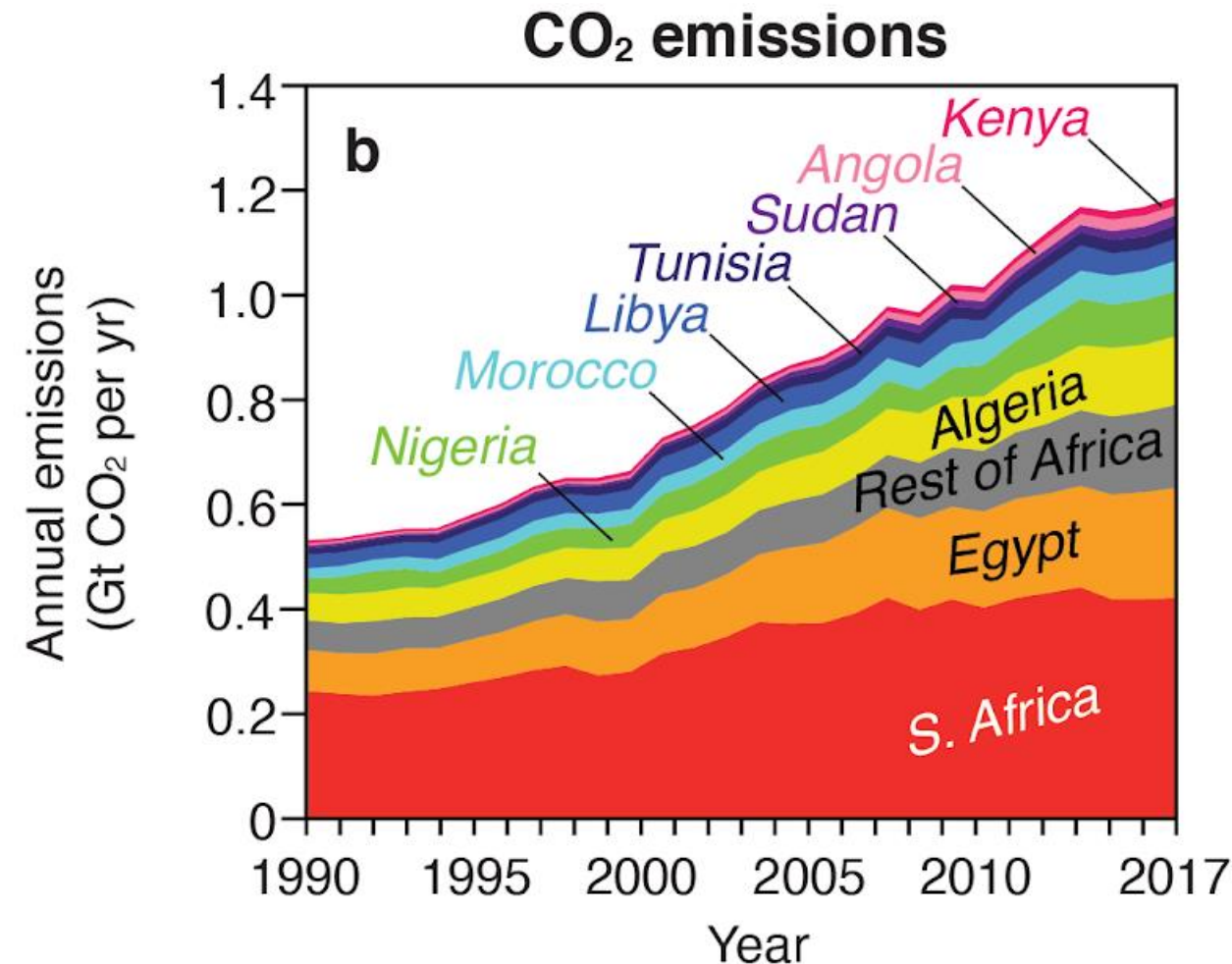


# African emissions on the rise



- African emissions were about 4% of global fossil fuel emissions in 2017
- 1990-2017: average growth rate in emission of  $4.6\%/y^{-1}$ , i.e. twice the global rhythm ( $2.2\% y^{-1}$ )
- Different evolution patterns according to countries

Source: [Ayompe, L. M., Davis, S. J., Egoh, B. N., 2021](#)





# CoM SSA generates a groundswell of commitments for climate action



## Covenant of Mayors in Sub-Saharan Africa



### Pilot cities

Cities/local governments that received in-depth support (Sustainable Energy Access and Climate Action Plan development and/or infrastructure project) from CoM SSA partners between 2015 and 2019.



### Focal cities

Cities/ local governments that are currently benefiting from in-depth support from Member State Organisations (MSOs).



### Signatories

Cities/local governments that have committed to translate their political ambition into tangible action through the elaboration and implementation of a Sustainable Energy Access and Climate Action Plan.





# The Global Observatory of Climate Action

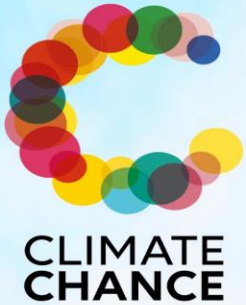


- An editorial committee, in charge of coordination, writing, editing the publications.
- A network of expertise: researchers, consultants, journalists and more, contributing to the work of the Observatory.
- A collection of synthesis reports and case studies on national and local-level climate action.





# Telling the story behind the figures



## GLOBAL SYNTHESIS REPORT ON CLIMATE ACTION BY SECTOR

2022

RELEASED ON

DECEMBER 08, 2022

5 SECTORS

100+ INDICATORS

15 TRENDS

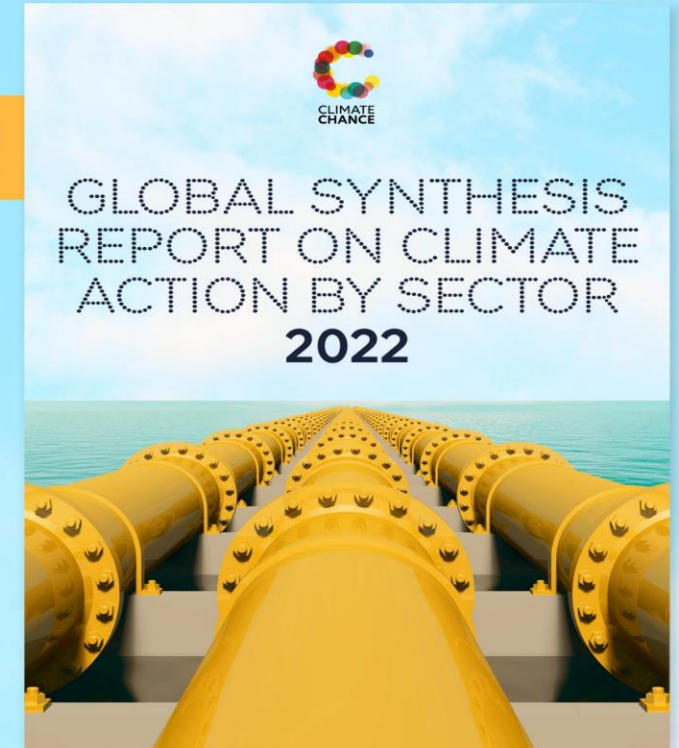
50 SIGNALS

15 CASE STUDIES

20-PAGE SPECIAL ON

CARBON OFFSET

[WWW.CLIMATE-CHANCE.ORG](http://WWW.CLIMATE-CHANCE.ORG)





# Regional chapter • Observatory of climate action in Africa



Four priority sectors of analysis to share the stories of climate action in Africa



Energy



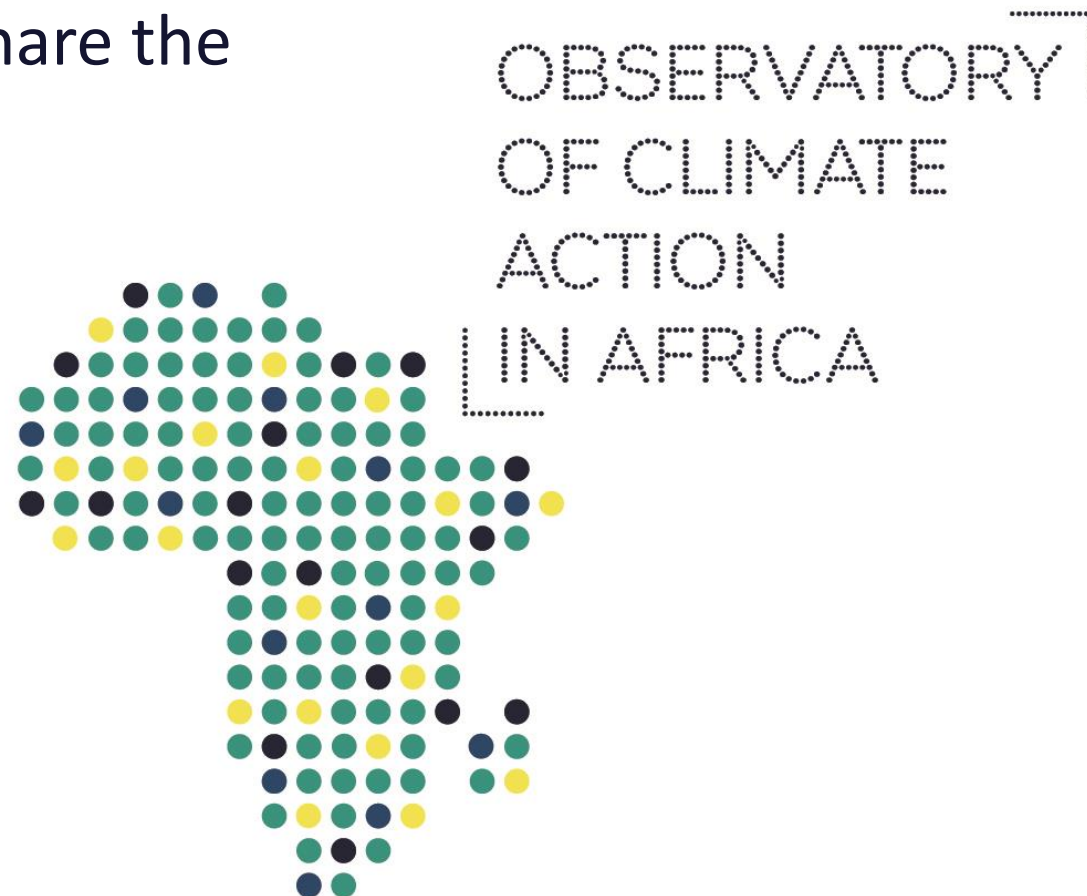
Forest-Biodiversity



Cities



Adaptation





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