@Asier Aranzadi

European Week of Regions and Cities 10/10/2023

### IMAGINE climate change adaptation in urban areas



IKERBASQUE & BC3

IMAGINE





and their impacts on health, infrastructures and ecosystems.







# Flooding, sea level rise, storm surges, extreme precipitation

and their impacts on infrastructures, on services, ecosystems and people's health.







A fact Thousands of cities worldwide are planning adaptation actions



We don't know how to measure how well they are doing.

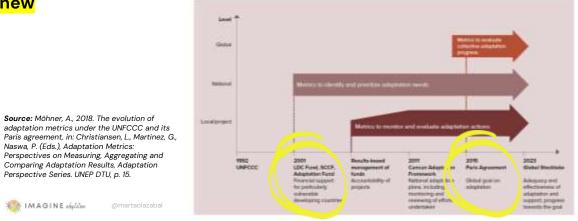
If we don't measure, we don't learn from what we do and we don't improve.



# The question of how to measure adaptation is <mark>not</mark> new



Figure 1. Evolution of functional needs of adaptation metrics over time in relation to the UNFCCC process



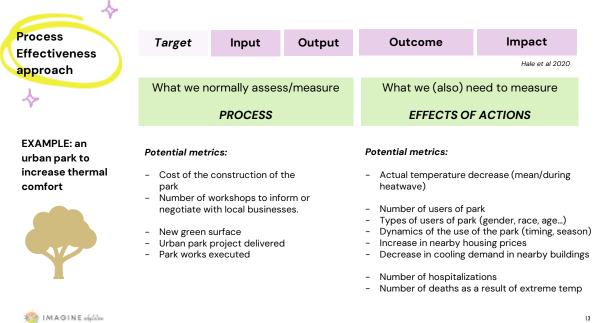


- 01 Assess adaptation needs and its dynamics/evolution. Provide accountability of actions. 02 assess 03 Assess efficiency of adaptation efforts. adaptation 04 Evaluate effectiveness of adaptation actions (or inactions). Assess impacts: results of actions (positive and negative too!) 05 06 Understand equity of adaptation progress. 07 Improve learning: and thus, increase capacities - learn how to learn (knowledge, data). Positively change future activities or interventions (as a result of learning). 08 Compare with other similar activities or interventions (and thus, learn). 09 Attract funding and distribute resources. 10 11 Gather political momentum.
- Increase understanding of adaptation and its relationship with development, sustain. &others. 12

Adapted from Turner, S., Moloney, S., Glover, A., Fünfgeld, H., 2014. A review of the Monitoring and Evaluation literature for climate change adaptation. Centre for Urban research, RMIT University, Melbourne, Australia



# **Reasons to**







15

16

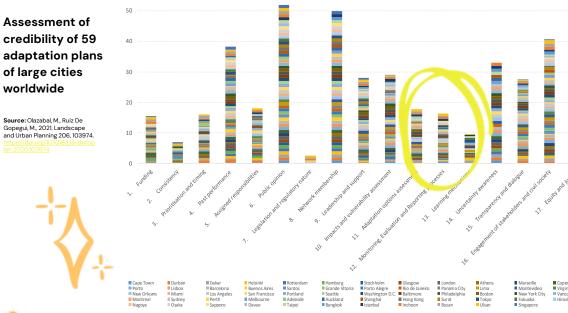


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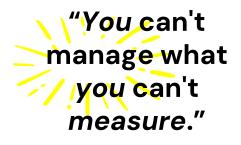
#### of the indicators measure performance, look at the results of actions.

Source: Olazabal et al 2019 and Goonesekera and Olazabal 2021.





🍈 IMAGINE 🔬



Management expert Peter Drucke





# Envision

1

what adaptation looks like in your city.



# Include

in this process ALL those affected by climate impacts and adaptations.



#### Own

processes & tools to evaluate the progress towards YOUR goals, and learn from them.















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