TOMORROW'S CITIES UNIQUE TAKE AT NORMATIVE FUTURE VISIONING

0 Analysing the social landscape & disaggregating stakeholder groups

1 Discussing life stories, future aspirations, and desired travel trajectories
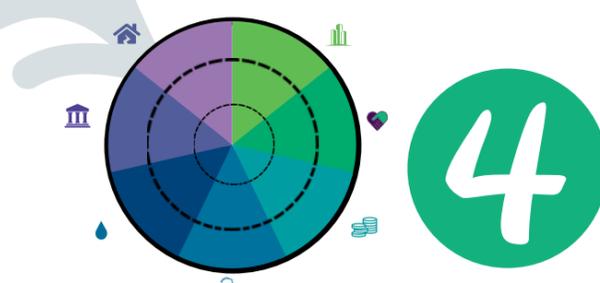
2 Designing spatial strategies based on desired assets and hazard information

3 Designing adaptive policies that tackle the negative impacts of hazards

4 Translating, constraining and validating visions

Illustrative photos from engagements in Nairobi, Kenya. Tomorrow's Cities archive

This methodological trajectory is based on milestones. Each one delivers bottom-up outputs (drawings, timelines, plans, policies) that enable generative comparisons and learning across cities. Milestone 0 is a preparatory stage that sets the ground for Normative Future Visioning workshops and the entire Tomorrow's Cities work.

Milestones 1-3 happen over a two-days co-production workshop with selected stakeholder groups. Milestone 4 entails the processing, translation and analysis of key outputs (spatial plans and policies), which become scenarios that are later discussed and validated with participants.

Tomorrow's Cities is the UK Research and Innovation Global Challenges Research Fund Urban Disaster Risk Hub - a global interdisciplinary research hub. It supports the delivery of the United Nation's Sustainable Development Goals 1, 11 and 13, and priorities 1 to 3 of the Sendai Framework for Disaster Risk Reduction. The hub works as a consortium of communities, governments, researchers and risk professionals at local, national and global level formed to reinforce disaster risk governance. It undertakes integrated, multi-scale and multi-disciplinary research to better understand multi-hazard - including climate-related - risks and their drivers.
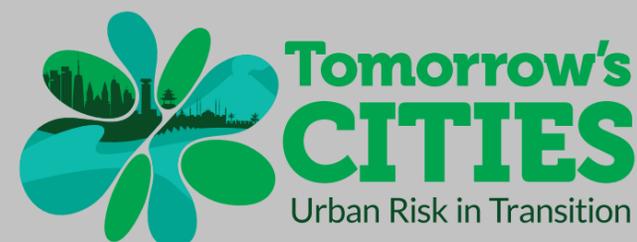
With a clear focus on reducing risk in areas yet to be built, Tomorrow's Cities avail of a one-off, time-limited opportunity for equitable disaster risk reduction and inclusive climate adaptation through Future Visioning. It provides tools so cities consider the risk consequences of today's decisions on tomorrow's disaster risk before they commit to policy change and construction. Such tools help authorities and other stakeholders to rethink decision-making processes leading to evidence-based, low-risk decisions today that will change the future for millions.

Our cities: Quito (Ecuador), Nairobi (Kenya), Dar es Salaam (Tanzania), Istanbul (Turkey), Nablus (Palestine), Kathmandu and Rapti (Nepal), Chittagong and Cox's Bazaar (Bangladesh).

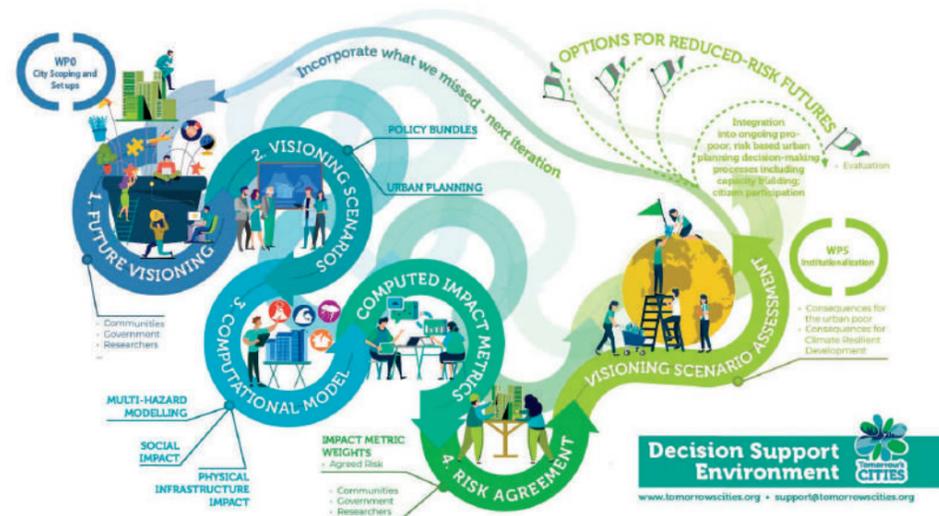**Learn more and engage with us at:** https://tomorrowscities.org/
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'Tomorrow's Cities Decision Support Environment' is the broader framework that guides the work of the hub. It is composed of the following stages:

● **Stage 0 - City Scoping**: multi-stakeholder ambitions are harnessed and data is collected and analysed to identify a pilot area for impact.
● **Stage 1 – Normative Future Visioning**: different social and institutional groups gather in workshops to discuss aspired futures and translate those into spatial and policy proposals.
● **Stage 2 – Visioning Scenarios**: Each proposal is analysed against urban regulations and trends or projections for the future. Revised outputs are translated into digital format and validated with stakeholder groups.
● **Stage 3 – Computational modelling**: Scenarios are exposed to potential future hazards – with a particular module to analyse climate change – and different impact metrics are calculated.
● **Stage 4 – Risk Agreement and Learning**: groups gather to discuss the results of the modelling work and learn from the consequences of their decision making through an equity lens. Stages 1 to 4 could be repeated.
● **Stage 5 – Institutionalisation**: action planning stage - learning connected to ambitions for long term adaptation and transformation.

for Pro-Poor Disaster Risk Reduction
A Tomorrow's Cities Design