





















Record summer heat scorches many parts of Japan



More than 70,000 people were taken to hospital by ambulance suffering from heatstroke between early July and late August in Japan, while consumer spending surged on items such as air conditioners, sweet food and drinks.

Quote from "Japan swelters through hottest summer while parts of China log warmest August on record", The Guardian, 3 Sep 2024







Process timeline of the Special Report

INTERGOVERNMENTAL PANEL ON Climate change



1 Scoping Meeting Nomination and Selection

The nomination of experts and subsequent selection for participation in the scoping meeting for the Special Report on Climate Change and Cities.



2 Pre-scoping Engagements

Experts and stakeholders were engaged via questionnaires and webinars to identify scientific and technical topics to be addressed in the report.







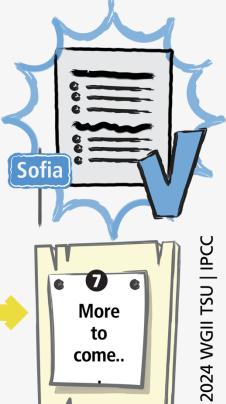
3 Scoping Meeting

The IPCC met in Riga, Latvia to develop the draft outline of the report.

THE ROAD AHEAD



This meeting in Sofia, Bulgaria will focus on agreeing the outline for the report, among other agenda items.



5 Nomination of Authors

Focal Points* of IPCC Member Governments, Observer Organizations and Bureau Members can submit nominations of authors to contribute to the report.

*List of IPCC Focal Points on IPCC's website!



report will be selected by the members of the WGI, II, and III Bureaus.

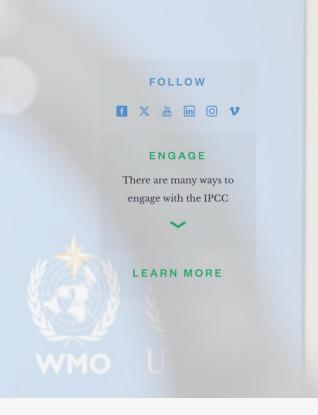






NEWSROOM ► POST

IPCC calls for nomination of experts to draft an outline of the Special Report on Climate Change and Cities



ipcc



INTERGOVERNMENTAL PANEL ON Climate change

Annex

Outline of the Special Report on Climate Change and Cities

Title: IPCC Special Report on Climate Change and Cities

Summary for Policymakers

Technical Summary

Chapter 1: Cities in the context of climate change: framing of the report

- Integrated storyline of the report, chapter narrative, sequence, and linkages to other relevant processes and assessments
- Framing urban systems and climate risks (including complex, cascading, compounding, and repeating risks), and loss and damage.
- Climate resilient urban development, including consideration of interacting city targets and sustainable development goals.
- Cities as hotspots of effects of hazards and emissions, vulnerabilities, exposure, and impacts, while also being key climate actors.
- City typologies and other concepts relevant to the report considering the multi-dimensional characteristics of urban systems and their dynamics.
- Treatment of urban vulnerabilities, marginalized areas and people, equity, informality and justice
- Psychology, perception, behaviour and attitudes toward climate change and cities.
- Interconnection between local context and global context (governance, science, air quality, and climate change).
- Assessment methodologies, including following a regional approach, diverse knowledge systems (including Indigenous Knowledge), practitioner expertise, city networks, and considered time frames and spatial scales.

Chapter 2: Cities in a changing climate: trends, challenges and opportunities

 Understanding and learning from the past (global climate, hazards, crises, socioeconomic developments), past and current climate in cities (trends, means, extremes), going to the future

- Emissions trend, scenarios taking into account the need to provide infrastructure to informal settlements, and including scenarios of rapid up-taking and upscaling of solutions, multi-level governance
- Climate, impact and risk scenarios: Cities at risk/crisis- compounding, with and without strong risk reduction, adaptation, resilience building- the need for climate resilient development (urban climate scenarios), eco-systems and biodiversity, food, health and housing, innovative technologies/methods (measurements and models)
- Adaptation, losses and damages, and socio-economic trends, policy and governance, colonization
- Understanding the two-way interaction/feedback between cities, regions and countries, science behind the interactions (understanding the biophysical mechanisms); social interactions; climate and air quality, multi-hazard components (compounding and cascading hazards)
- Data, information, tools accessibility/availability/usability/transparency
- · Uncertainties, implementation gaps, unprecedented, ingenuity/social tipping and data
- Complexity and the need to contextualized climate change within broader societal trends (geopolitical, polarizing societal trends) and goals (Sustainable Development Goals), justice, cascading effects on critical infrastructure

Chapter 3: Actions and solutions to reduce urban risks and emissions

- Urban mitigation options for spatial planning, energy, buildings, mobility and transport, water, land, behavioral change and cross-sectoral, integrated approaches in urban systems.
- Urban adaptation options for managing risks in natural, ecological and human systems (including but not limited to physical infrastructure, nature-based solutions, and planning and social policies).
- Stocktaking and analysis of city actions across mitigation and adaptation, and responding to losses and damages, including lessons-learned, effectiveness and feasibility, mitigation measures with baseline emissions inventories and target-setting.
- Urban observation and modelling tools for monitoring and evaluation for sectors and unaccounted sources.
- Local risk assessments using scientific information, Indigenous Knowledge, and local

- Metrics for assessing mitigation and adaptation options in the context of sustainable development and cities, including service provisioning that delivers health and well-being for all.
- Case studies/best practices/stories towards climate resilient development and decarbonization in cities.

Chapter 4: How to facilitate and accelerate change

- New ways of planning under and for uncertainty and tipping points
- Providing climate and information services to enable action, including evaluation of mitigation, adaptation, responses to losses and damages, and sustainable development
- Innovation in governance, urban planning, decision-making, technology, urban service provision, infrastructure, social systems, and finance, including adoption of innovation
- Institutional capacities, competencies, inclusive multi-level governance
- Indigenous Knowledge, local knowledge, diverse knowledge systems and values
- Behavioural and lifestyle changes, education for empowerment, social movements and communications
- · Financial systems, legal frameworks, economic and policy instruments
- · Holistic planning and systems thinking approach
- · Structural inequity, colonialism, and justice
- Enabling conditions for poverty eradication, equity in just transitions
- Political will and leadership
- · Conflicting goals and trade-offs

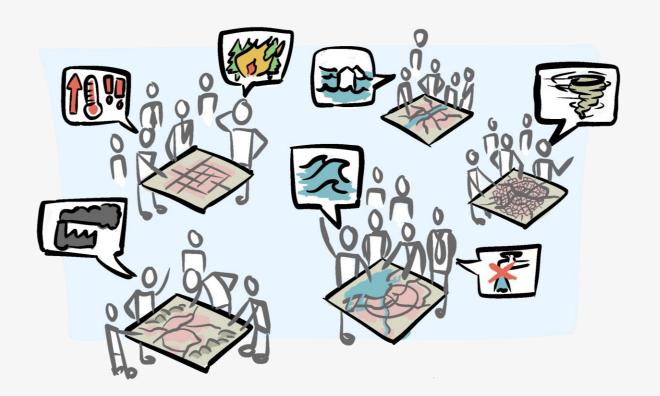
Chapter 5: Solutions by city types and regions

This chapter contains a summary of solution-relevant information by city types, distinguished by multi-dimensional characteristics such as:

Chapter 1 – establishing that there's a problem



Cities in the context of climate change: framing of the report



- Main report narrative
- Definition of cities and characteristics that make them climate hotspots
- Diversity of cities, including their risks, vulnerabilities, impacts, development state, etc
- Connection between cities and surroundings
- Assessment methodologies



Chapter 2 – diagnosing the 'patient's' problem



Cities in a changing climate: trends, challenges and opportunities

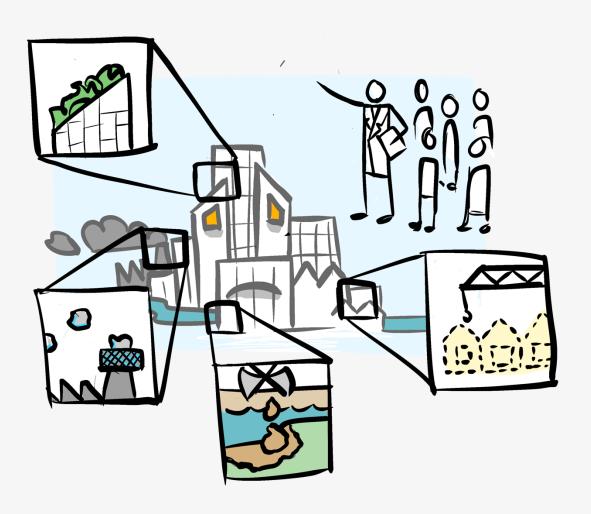


- Past, present and future trends (climate and socioeconomic)
- Urban emission trends
- City-specific risks and drivers
- Current mitigation and adaptation



Chapter 3 – prescribing the 'medicine'

Actions and solutions to reduce urban risks and emissions



- Common and context specific urban mitigation and adaptation options
- Evaluation of city risks and actions (mitigation, adaptation, losses and damages, adopted targets)
- Urban observation and modelling tools
- Metrics for assessing options



Chapter 4 – ensures the patient takes the medicine long-term

Actions and solutions to reduce urban risks and emissions



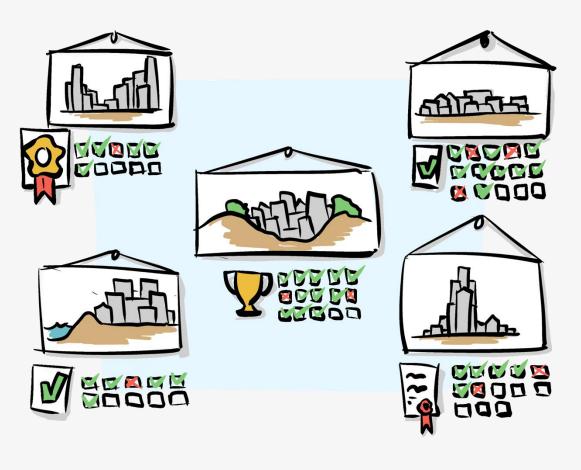
- Innovations in governance, urban planning, finance, energy access, facilitation of societal trends
- Institutional capacities and multi-level governance
- Indigenous knowledge, local knowledge, diverse values
- Finance and legal frameworks
- Political will, conflicting goals, trade-offs



Chapter 5 – variety of treatments to a variety of problems



Solutions by city types and regions

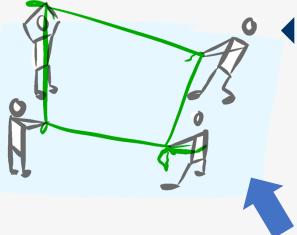


- Synthesis guided by solution-oriented information and case studies
- Acknowledging multi-dimensional characteristics including
 - Geography
 - Development stage
 - Climate & scenarios
 - Adaptation & mitigation options
 - Losses & damages, risks, vulnerabilities
 - Sectoral contributions to economy
 - 0 ...



INTERGOVERNMENTAL PANEL ON Climate change





Experts can help with scoping pre-scoping webinars



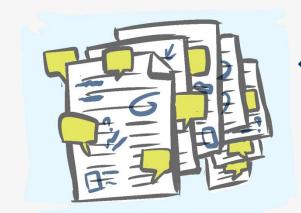
Professionals can help with reviews various versions will circulate



Authors can help with writing – calls for authors Cities report Q3 2024; Assessment reports Q2 2025

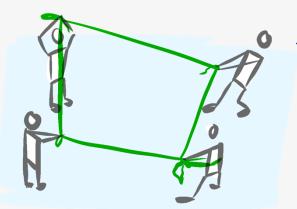
Scientists can write papers and compile journal special **issues** – including topics emphasized in the outline







INTERGOVERNMENTAL PANEL ON Climate change



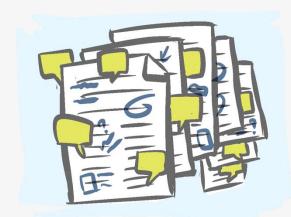
Experts can help with scoping pre-scoping webinars



Authors can help with writing – calls for authors Cities report Q3 2024; Assessment reports Q2 2025



Scientists can write papers and compile journal special **issues** – including topics emphasized in the outline

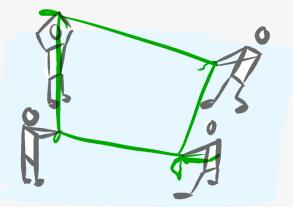


Professionals can help with reviews various versions will circulate





INTERGOVERNMENTAL PANEL ON Climate change



Experts can help with scoping pre-scoping webinars



Scientists can write papers and compile journal special **issues** – including topics emphasized in the outline



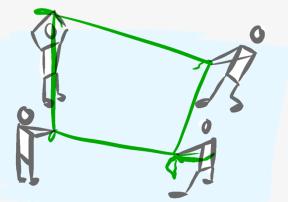
Professionals can help with reviews various versions will circulate





INTERGOVERNMENTAL PANEL ON Climate change





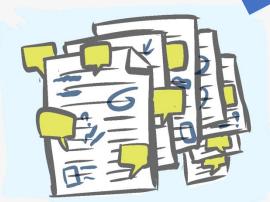
Experts can help with scoping pre-scoping webinars



Authors can help with writing – calls for authors Cities report Q3 2024; Assessment reports Q2 2025



Scientists can write papers and compile journal special **issues** – including topics emphasized in the outline

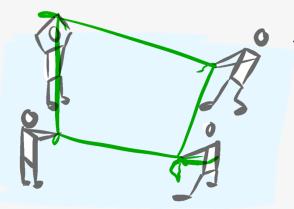


Professionals can help with reviews various versions will circulate



INTERGOVERNMENTAL PANEL ON Climate change





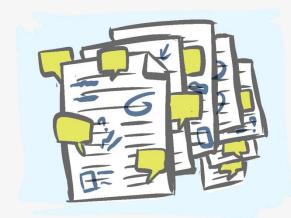
Experts can help with scoping pre-scoping webinars



Authors can help with writing – calls for authors Cities report Q3 2024; Assessment reports Q2 2025



Scientists can write papers and compile journal special **issues** – including topics emphasized in the outline



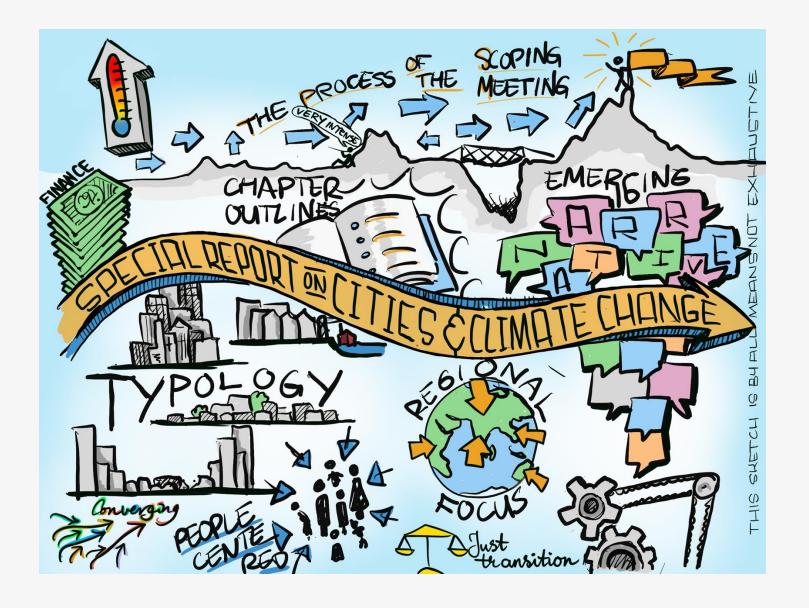
Professionals can help with reviews various versions will circulate



The scoped outline of the Cities report











We need more concise and light reports!









Follow our journey online!







@prof.winstonchow Winston Chow