

Laying the ground for Smart Cities

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Measuring Progress: Achieving Smarter Cities
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Why is it important?

NEW URBAN AGENDA

Integrated approach to the development of cities and human settlements
Green, inclusive, healthy, compact and resilient cities

Sustainable Development Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

11.1. By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums

11.2. By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all ...

11.3. By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries

11.6. By 2030, reduce the adverse per capita environmental impact of cities ...

11.7. By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities



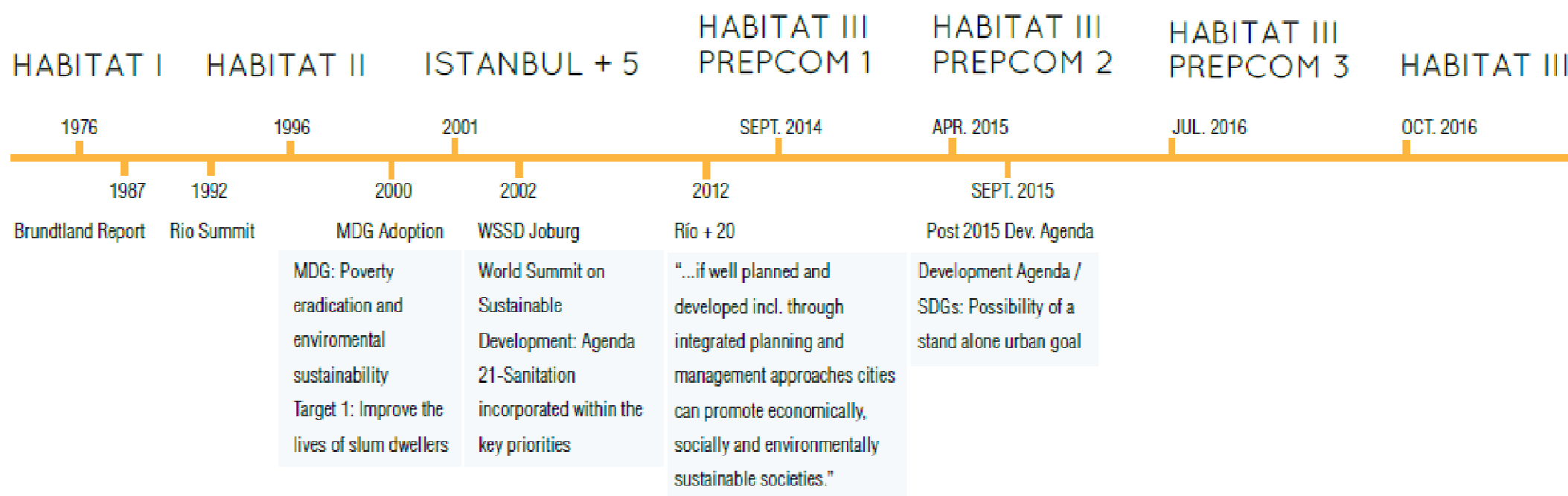
Global Agendas

- Sendai Framework for Disaster Risk Reduction 2015-2030 – March 2015
 - Guiding Principles: Each State has the primary responsibility to prevent and reduce disaster risk, including through international, regional, subregional, transboundary and bilateral cooperation
- United Nations Summit to adopt the post-2015 development agenda – September 2015
 - SDG 11 Make cities and human settlements inclusive, safe, resilient and sustainable
 - The development indicators
- COP21 Paris – December 2015
 - Through sustainable urban design we adapt better to climate change
 - Implementation of guidelines to promote energy efficiency so the UN sustainable energy for all agenda
- HABITAT III – October 2016
 - To secure renewed political commitment for sustainable urban development, assess accomplishments to date, address poverty and identify and address new and emerging challenges.
 - Rethinking the Urban Agenda is embracing urbanization at all levels of human settlements. More appropriate policies can embrace urbanization across physical space, bridging urban, peri-urban and rural areas, and assist governments in addressing challenges through national and local development policy frameworks. The Agenda is integrating equity as an issue of social justice, ensuring access to the public sphere, extending opportunities and increasing the commons.



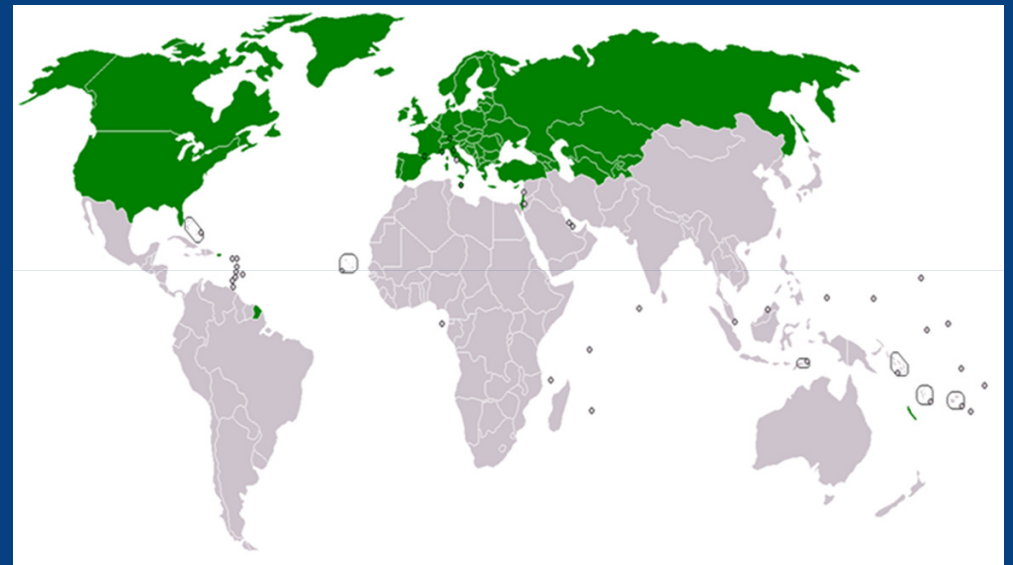
GLOBAL DEVELOPMENT FRAMEWORKS

Growing recognition of urbanization reflected in global frameworks for sustainable global development



United Nations Economic Commission for Europe (UNECE) Region

- 56 member States in Europe, Central Asia and North America
- One of the five ECOSOC Regional Commissions
- Intergovernmental platform for policy dialogue and best practices dissemination
- UNECE region is home to 20 per cent of the world population. It includes some of the world's richest countries as well as countries with a relatively low level of development
- Diverse circumstances: former countries with economies in transition and countries with advanced economies/market economies
- Very high level of urbanisation



Challenges in housing and urban development

- **Inefficient use** of energy in the residential sector
- **Limited access** to affordable, quality and healthy housing in the market, especially for young people
- **Lack of easy access** for disabled and aged persons due to physical/architectural barriers
- **Low political attention** to housing and urban development issues
- Decreased housing **affordability** as result of the economic crisis and unemployment
- **Deteriorated housing stock** due to a lack of maintenance and investment
- **Increased damages** to housing and human settlements from **climate change** and other natural and **human-made disasters**



Key Policy Areas

- Fundamental Services and Informal Settlements
- Sustainable Accessible and Inclusive Mobility and Transport
- Safe and Resilient Settlements
- Spatial Dimensions of Sustainability, Compactness, Climate Responsive Design and Energy Efficiency
- Healthy, Livable, Vital and Inclusive Public Spaces
- Between Rural and Urban, the Links for Better Regional Policies
- City Governance and Regional Cooperation



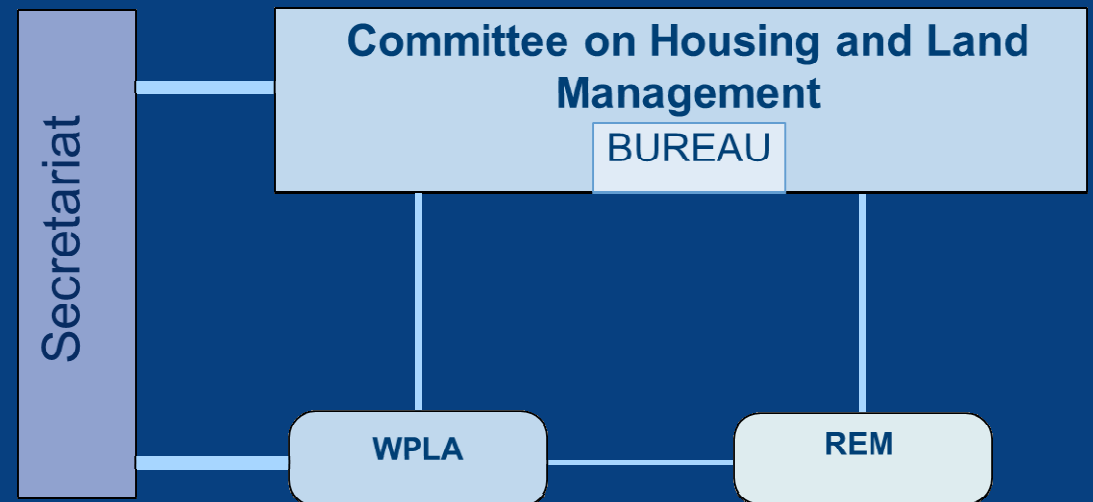
United Nations Economic Commission for Europe (UNECE) Region

UNECE Housing and Land Management works to improve

- Housing
- Urban Planning and Development
- Land administration and management

Spatial Planning is Key

- Defines the territorial organization of land uses
- Balance the demand for development and environmental management
- Helps achieve economic and social objectives



Committee on Housing and Land Management

The Committee agreed on the Geneva UN Charter on sustainable housing which promotes sustainable cities with an integrated approach to planning

**Compact
Efficient
Inclusive
Low-carbon
Disaster resilient cities**

The charter is based on 4 key principles: environmental protection, economic effectiveness, social inclusion and participation, and cultural adequacy.



Geneva United Nations Charter on Sustainable Housing



- UNECE input into HABITAT III
- The document was negotiated by 56 UNECE member States in 2010 – 2015
- UNECE Committee on Housing and Land Management agreed on the Charter on 15 October 2014
- EXCOM endorsed the Charter on 14 November 2014
- Main purpose: to ensure the access to decent, affordable and healthy housing in the ECE region
- Scope: to improve the sustainability of housing in the ECE region through effective policies and actions at all levels, supported by international cooperation



Activities of the Committee on Urban Planning

Climate Neutral Cities

How to make cities less energy and carbon intensive and more resilient to climatic challenges, 2011

Climate change adaptation is a dramatically emerging challenge for city planning

Governance and institutions

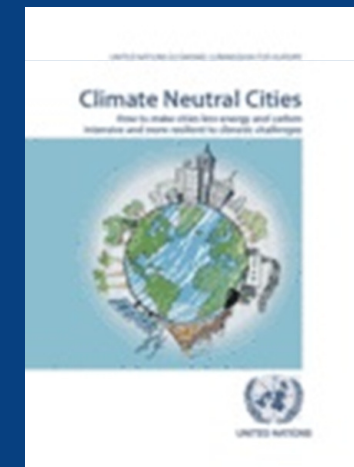
(strengthening urban resilience and the policies at different scales)

Actions for priority sectors

(urban infrastructure, buildings urban form etc.)

Post carbon transition

(city roadmap to climate neutrality)



Activities of the Committee on Urban Planning

Spatial Planning Key Instrument for Development and Effective Governance, 2008

Providing guidance to improve spatial planning systems in the UNECE Region, especially in countries in transition considering:

Principles of spatial planning (6 principles)

Roles and responsibilities (allocation of competences)

Components of spatial planning systems (tools, directives, enforcement, spatial strategies and environmental assessment)

Recommendations for stronger and more effective systems (encouraging debate, legal frameworks, guidance and guidelines for spatial planning)



Urban Planning and Science Integration in Decision Making

Need to implement Multi-Hazard risk assessment in the urban planning process

Technical gaps

fragmentation of information (single hazards)

lack of comprehensive risk

lack of multi-scale and multi-temporal analysis

Institutional/governance gaps

struggle to include hazard analysis in land planning

lack of multi-risk governance and coordination among authorities

Technological approach support the integration and demonstration of findings



The importance of technology for innovative policies

UNECE Housing and Land Management is not a geospatial information provider however it supports the use of mapping as tools to improve:

- Communication and awareness raising tool
- Evidences for policy formulation
- Support to decision making
- Spatialization of findings and recommendations
- Monitoring of progress

UNECE HLM initiated a cooperation with JRC GEO and GIS, modelling and remote sensing experts



Regional guidelines for urban planning in the UNECE Region

The regional guidelines will be elaborated in accord to the International Guidelines on Urban and Territorial Planning elaborated by the UN-Habitat

The regional guidelines are planned to be developed based on the analysis of and recommendations of the UNECE Regional Report to HABITAT III

The regional guidelines are expected to be developed during 2016 given availability of resources



Regional Report on housing and urban development

Objectives

- To assess the current situation and major challenges in housing and urban development in the ECE region; and
- To define the priorities for future action in the areas of housing and urban development in the ECE region.

Expected outcomes

- Policy recommendations to the countries
- An input into the New Urban Agenda

Organisation of work on the report

- Based on national reports by member States
- With the involvement of partner international organisations and stakeholders

A special focus will be on those policies, policy instruments, programmes and projects that have improved housing and urban development in the region.



Regional Report on housing and urban development

Questionnaire for mini-country profiles on housing and urban development

Structure

- Institutional information
- Legislation
- General population and housing characteristics
- Availability and affordability of housing and housing finance
- Housing amenities
- Vulnerable groups
- Energy efficiency
- Climate change
- Urban development
- Informal settlements
- Priorities



HABITAT III UNECE Region

Other studies

UNECE has just completed or working on the following regional thematic studies, which will be a useful input into HABITAT III:

- Social housing
http://www.unece.org/fileadmin/DAM/hlm/sessions/docs2014/75th_session/Unofficial_docs/informal_note.2.pdf
- Benchmarking of land administration systems
http://www.unece.org/fileadmin/DAM/hlm/documents/Publications/survey_land_admin_systems.pdf
- Policy brief on urban planning (see a concept paper)
http://www.unece.org/fileadmin/DAM/hlm/documents/2014/ECE_HBP_2014_6.en.pdf
- Country profiles on housing and land management



HABITAT III UNECE Region Roadmap Events



UNECE coordinates the preparation of a regional report for ECE region for the United Nations Conference on Housing and Sustainable Urban Development - HABITAT III

HABITAT III Regional Roadmap milestones:

- First Expert Group Meeting on Regional Report, 29 May 2015, Milano
- Second Expert Group Meeting on Regional Report, September 2015, Geneva
- 76th session of the Committee on Housing and Land Management, 14-15 December 2015, Rome
- European Regional Meeting for Habitat III, 18-20 March 2016, Prague
- HABITAT III Third PrepCom, 25-27 July 2016, Jakarta, Indonesia
- 77th session of the Committee, 12-15 September 2016
- HABITAT III Conference 17-20 October 2016, Quito, Ecuador



Thank you

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