



ISAP 2017

TT4: City Champions: Taking Theory and Practice to the Next Level

Approaches for Sustainable Cities

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Urban World in 2010



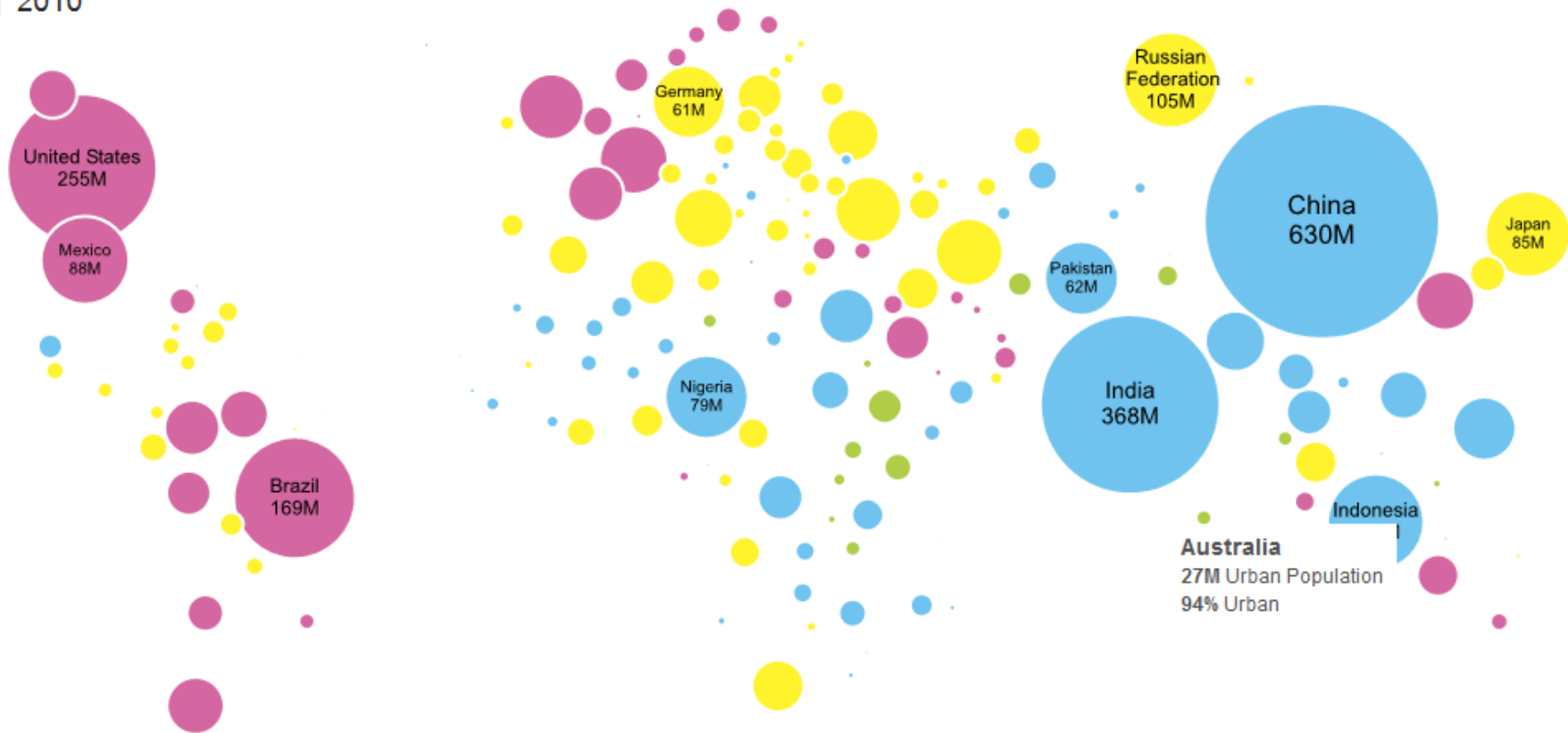
This graphic depicts countries and territories with 2010 urban populations exceeding 100,000. Circles are scaled in proportion to urban population size. Hover over a country to see how urban it is (percentage of people living in cities and towns) and the size of its urban population (in millions).

Urban Population

- Greater than 75%
- 50% - 75%
- 25% - 50%
- Less than 25%

AN URBAN WORLD

2010



Urban World in 2050

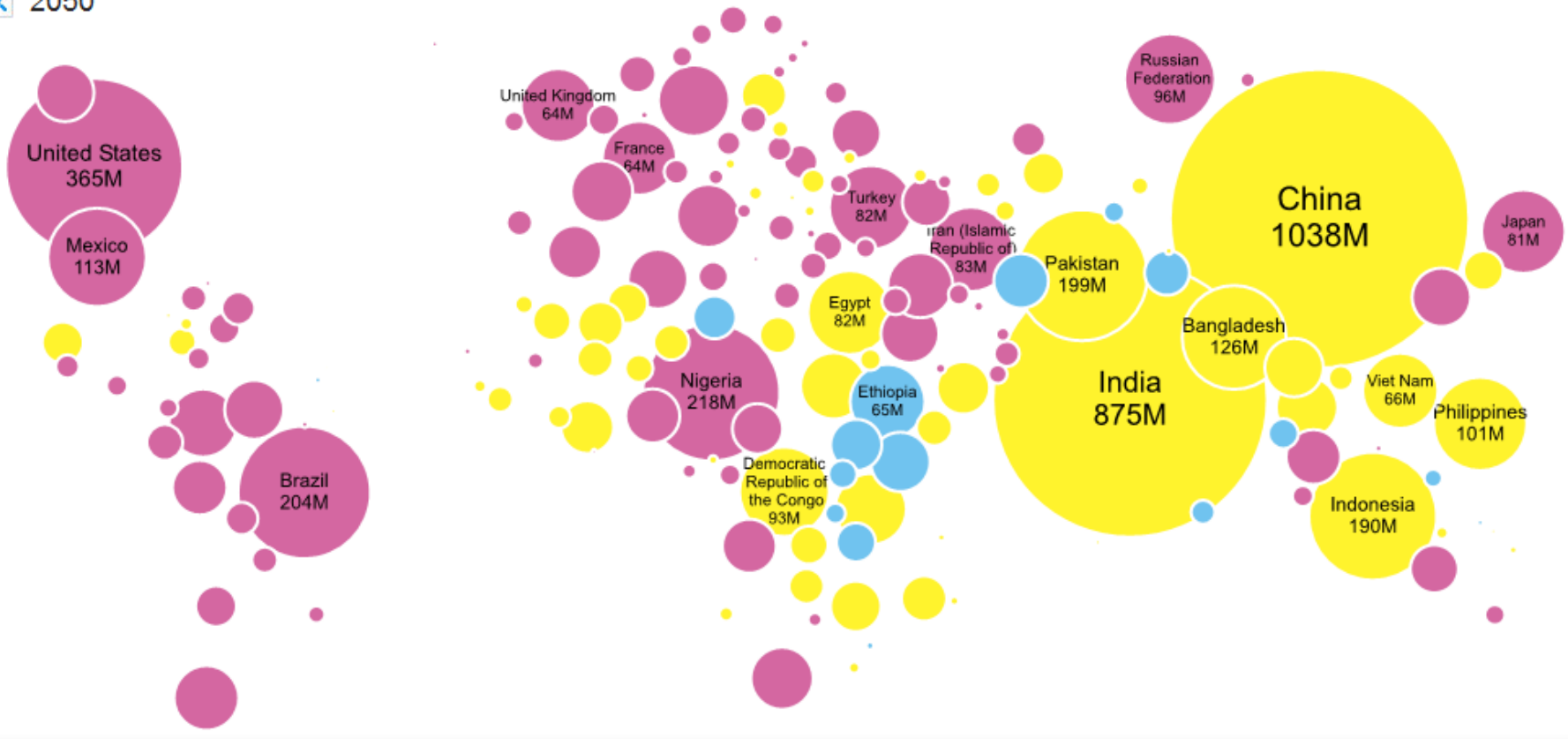
AN URBAN WORLD

This graphic depicts countries and territories with 2050 urban populations exceeding 100,000. Circles are scaled in proportion to urban population size. Hover over a country to see how urban it is (percentage of people living in cities and towns) and the size of its urban population (in millions).

Urban Population

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2050



Importance of Sustainable Cities

Rapid Urbanization

Total pop reaches 9.5bil
2/3 of pop in Urban (2050)

Effect to Environment

GHG emission
Consumption of Energy &
Water

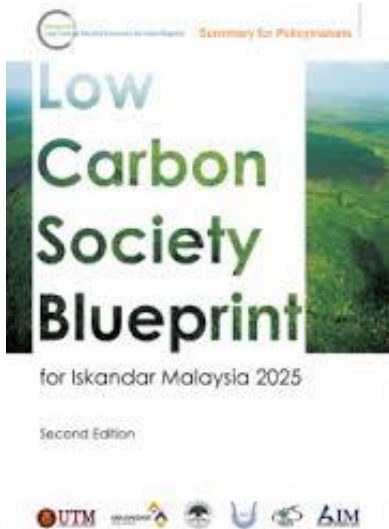
Urban Problems

Social disparity
Disaster resilience
Lack of infrastructure

- ✓ Economically, socially, and environmentally Sustainable City
 - ✓ Experience of Japan + New issues

Project for Development of Low Carbon Society Scenarios for Asian Regions

SATREPS Project : Science and Technology Research Partnership for Sustainable Development



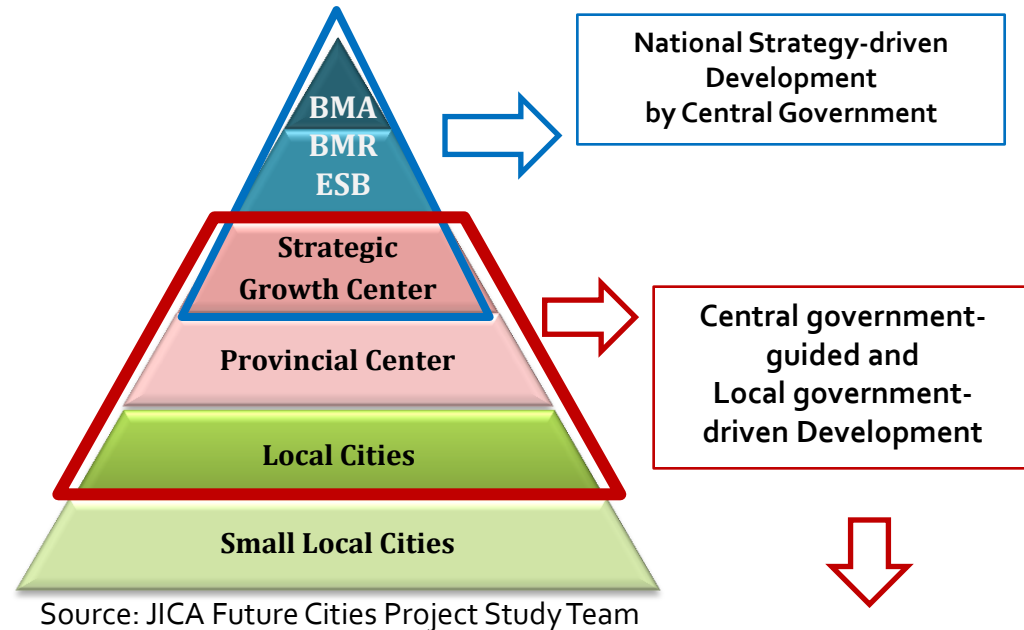
Actions	Contribution * (ktCO ₂ eq)	Share
Green Economy	6,937	54%
Action 1 Integrated Green Transportation	1,916	15%
Action 2 Green Industry	1,094	9%
Action 3 Low Carbon Urban Governance **	-	-
Action 4 Green Building and Construction	1,203	9%
Action 5 Green Energy System and Renewable Energy	2,725	21%
Green Community	2,727	21%
Action 6 Low Carbon Lifestyle	2,727	21%
Action 7 Community Engagement and Consensus Building**	-	-
Green Environment	3,094	25%
Action 8 Walkable, Safe and Livable City Design	263	2%
Action 9 Smart Urban Growth	1,214	10%
Action 10 Green and Blue Infrastructure and Rural Resources	392	3%
Action 11 Sustainable Waste Management	1,224	10%
Action 12 Clean Air Environment**	-	-
Total	12,758	100%

- Back-casting approach for urban development
- Keys for realizing sustainable city in Iskandar : collective actions of government, private sector, and civil society

The Project for Promoting Sustainability in Future Cities of Thailand



Source: DPT (2009) "Thailand National Spatial Development Plan 2057"



Sustainable Future City Initiative

- Policy research to support local government-driven development
- Cooperation among local governments to provide necessary service and physical planning
- Capacity development of local government for visioning, planning and implementing the initiative

◆ Sustainable City Platform Program, from 2016-2018

