



Making it Happen: The Urban Nexus Wheel

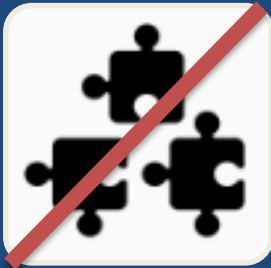
Dr. Stefanos Fotiou

Director, Environment & Development Division, UN ESCAP, Bangkok



Recognition Current Approaches Limited

Current approaches have not been adequate and effective

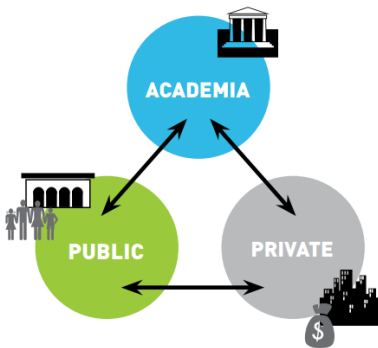
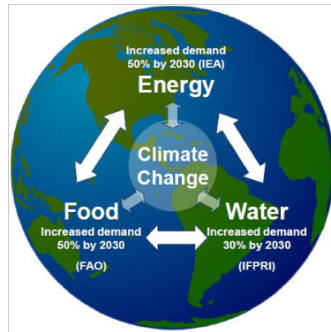
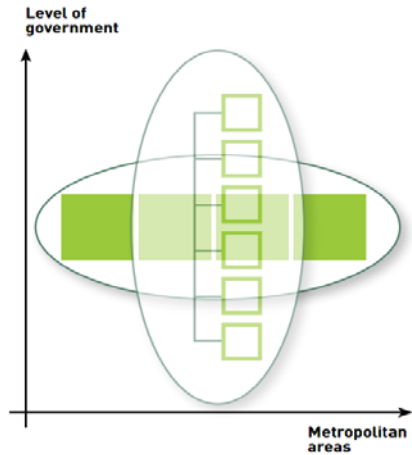


Sector-based tools and methods without integration



Institutions that have sectoral mandate.

Recognition Integrated, Multi-Sectoral Solutions and City Involvement Needed



2030 Agenda for Sustainable Development



New Urban Agenda



Paris Agreement

What is a Nexus Approach?

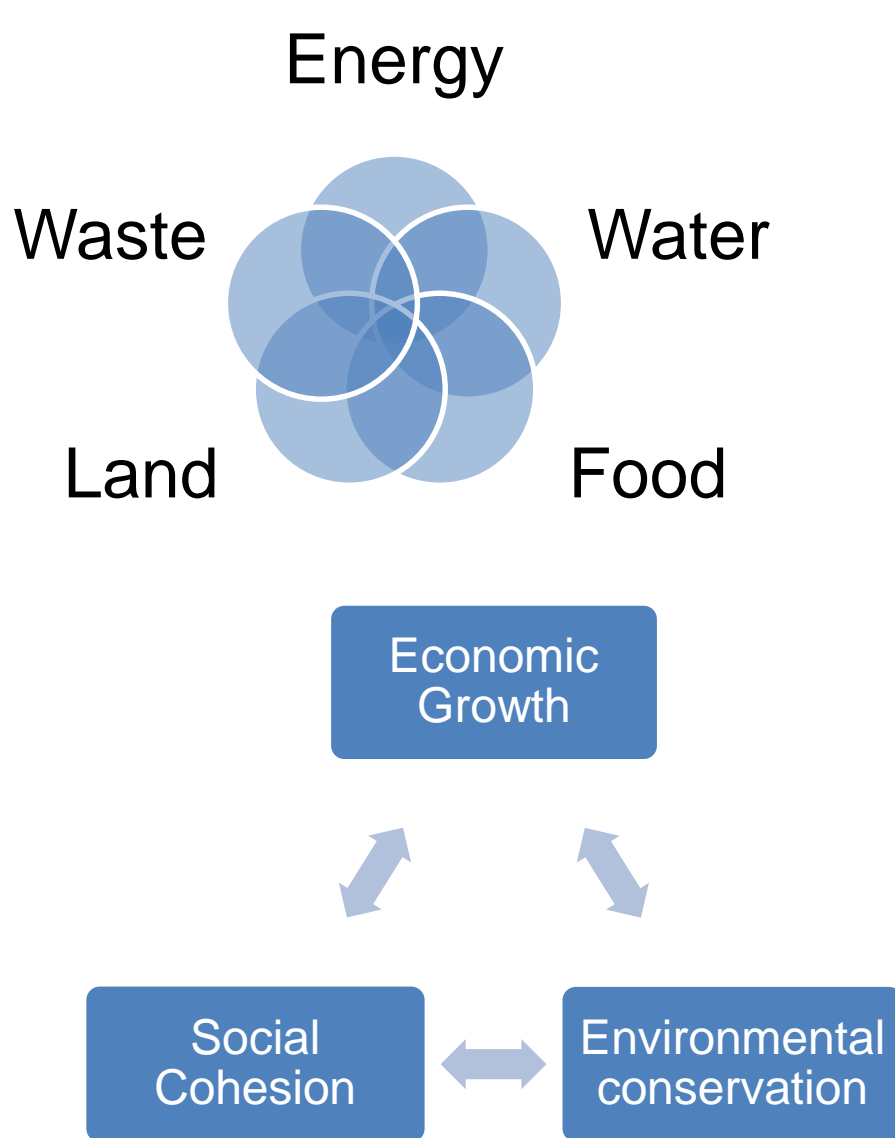
Oxford Dictionary

- A connection or series of connections linking two or more things.
- A connected group or series.
- A central or focal point.

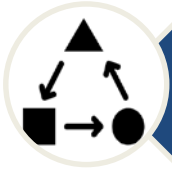
Nexus is not an entirely new concept

- Holistic, integrative, and trans-disciplinary thinking
- Mentioned from 1983 (UNU project)
- Bonn Nexus Conference (2011) a breakthrough

Types of Nexus Approaches



Advantages of Urban Nexus Approach



Provide better understanding of the interdependence and interconnectedness of numerous complex systems (water, energy, ecosystem, etc..)



Recognize tensions among sustainability goals, enhance synergies and reduce trade-offs

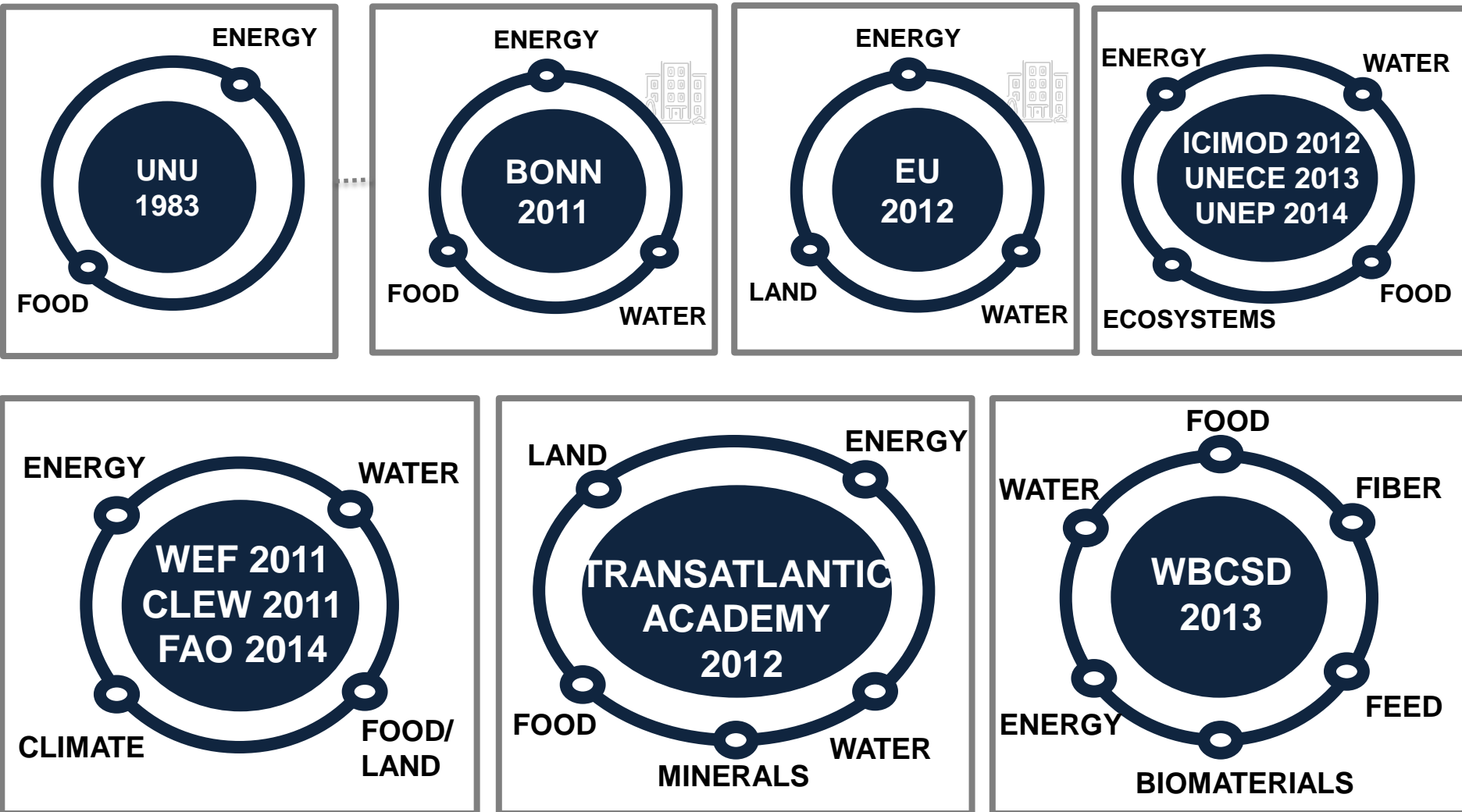


Strengthen institution and governance and building capacities for integrated planning and implementation



Promote water-energy-food security to all and sustainable and resilient development

Resource Nexus Conceptual Frameworks



The Urban Nexus Wheel

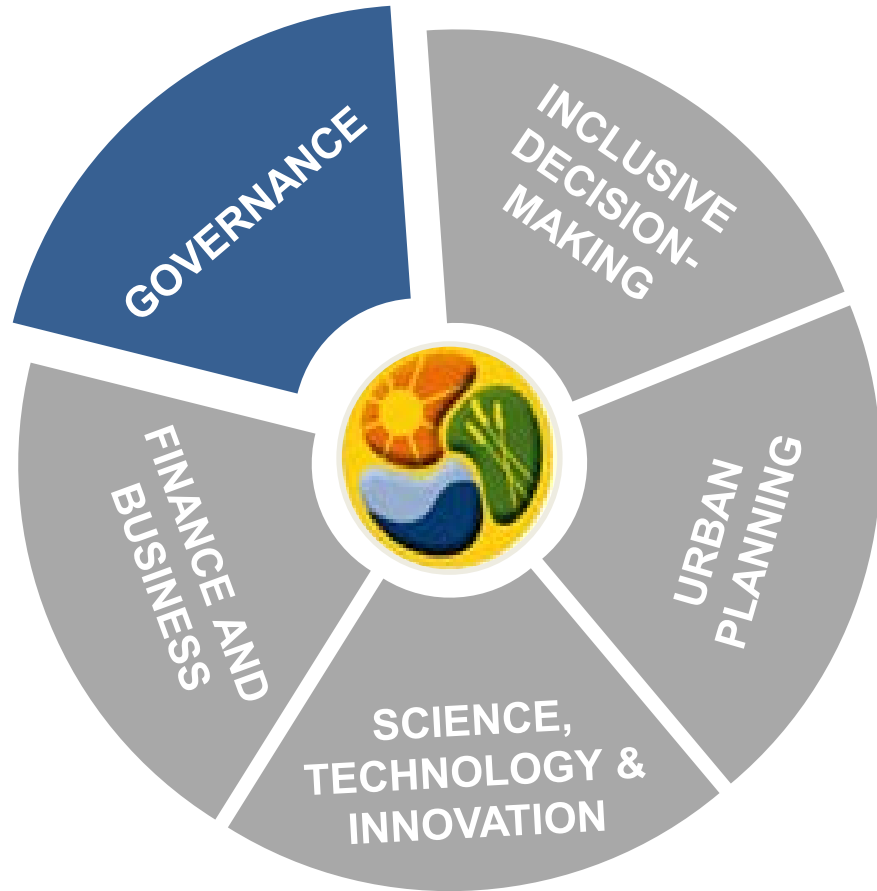


Enabling Factors

Five Dimensions

Eleven Sub-factors

Governance

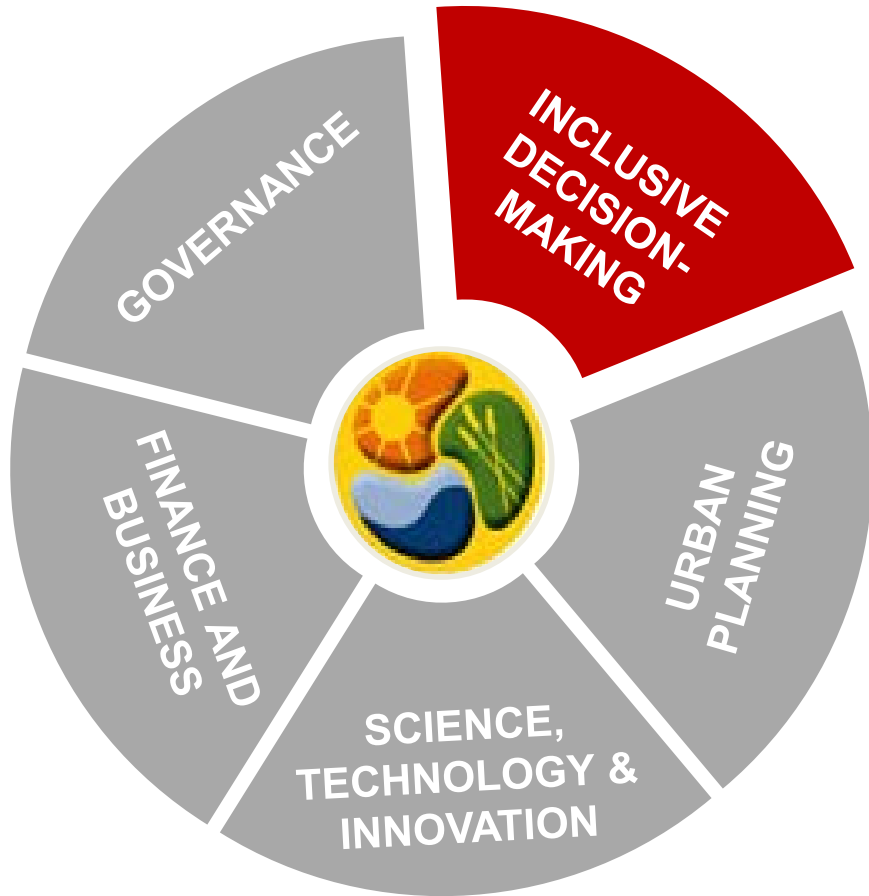


Collaborative
Governance



Capacity and
Institution Building

Inclusive Decision-Making



Public participation



Inclusiveness and
Equity

Urban Planning

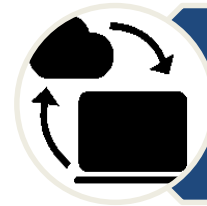
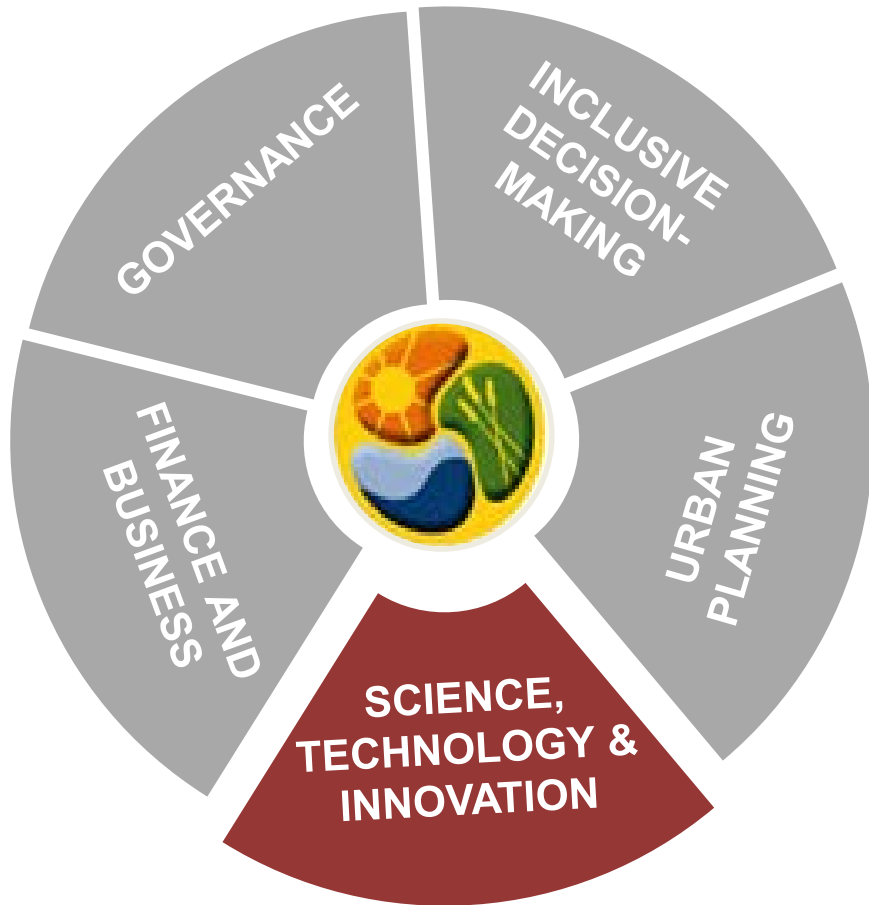


Urban & Spatial
Planning



Monitoring &
Evaluation

Science, Technology & Innovation



Data and
Information Sharing



Technological &
Innovation
Applications



Environment and
Social Assessment

Finance and Business



Linking to Finance

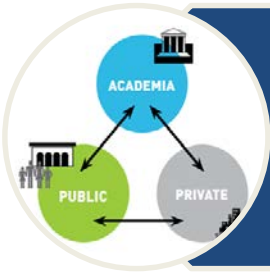


Municipal Budget

Applying the Urban Nexus Wheel



Partner city experiences, by enabling dimension



Jointly Developed Policy Recommendations



Guidelines on Applying the Nexus approach in Cities

Final Message



“Integrated approaches and aligned action is needed from all stakeholders to address the interlinked challenges of environmental degradation, resource scarcity, prevailing inequality, persistent poverty, conflict and violent extremism.”

Deputy secretary-general, Amina J. Mohammed, 2017 ECOSOC



Thank you

For more about ESCAP's work on sustainable urban development, please visit:

<http://www.unescap.org/our-work/environment-development/urban-development>



For more about ESCAP-GIZ-ICLEI project, please visit:

<http://www.unescap.org/urban-nexus>

NEXUS



UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific