THE TRIPLE DIVIDEND OF URBAN RESILIENCE TRANSITION

Sustainable Development, Mitigation, and Adaptation

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INTERNATIONAL RESEARCH NETWORK FOR LOW CARBON SOCIETIES
8TH MEETING
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Bergische Universität Wuppertal, Wuppertal, Germany
CHALLENGES

Urbanization Challenges: >50% population, 75% natural resources, 80% energy supply, 75% carbon emissions

Development Challenges: poverty, sprawl, inequality, pollution, security, depletion/access of resources.....

Climate Challenge: multiply effect on urban challenges, direct threat slow/rapid on-setting risk, mitigation
International Policies opportunities: UN SDGs, UNISDR Sendai, UN-Habitat HIII, UNFCCC Paris Agreement.

Consumption/Production opportunities: from linear to circular, integrated, metabolic

Urban Momentum opportunities: city initiatives, individual and in networks (C40, 100 res cities, etc)

Urban Knowledge opportunities: capacity of creativity, innovation, knowledge creation and exchange
Urban Resilience Transition:

Sustainable Development

Climate Change

Urbanization

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Urban Resilience Transition:
Integrating for innovation
Generating co-benefits

Mitigation + Adaptation

Sustainable Development
Climate Change

Development + Sustainability
Specific local urban challenges

Urbanization

SUSTAINABLE DEVELOPMENT GOALS
Decision Paragraph 40:
with the objective of considering how to enhance linkages and create synergy between, inter alia, mitigation, adaptation, finance, technology transfer and capacity-building, and how to facilitate the implementation and coordination of non-market approaches;

Agreement Article 6:
Parties recognize that some Parties choose to pursue voluntary cooperation in the implementation of their NDCs to allow for higher ambition in their mitigation and adaptation actions and to promote sustainable development and environmental integrity.
New Urban Agenda

We anchor our vision in the concept of cities for all, referring to the equal use and enjoyment of cities, towns, and villages, seeking to promote inclusivity and ensure that all inhabitants, of present and future generations, without discrimination of any kind, are able to inhabit and produce just, safe, healthy, accessible, resilient, and sustainable cities and human settlements, as a common good that essentially contributes to prosperity and quality of life.
PRACTICE 1
Morro Moravia Medellin

El Morro was home to up to 17,000 people living in 1,800 dwellings.
PRACTICE 2
Altos de la Estancia Bogota

RISK AWARD 2015

Altos de la estancia, Ciudad Bolivar, Bogota: a case of community resilience to build up a metropolitan park
LESSONS LEARNED

**Co-benefits:** coupling mitigation, adaptation, risk reduction and development

**Co-creation:** design and implement the project in a open and participatory manner

**Ownership:** re-appropriation of the territory by the communities
LESSONS LEARNED

Lost in translation: differences in languages to be bridged

Time conflicts: diverging time perception

Space conflicts: urban rural divide, cross scale issues
Knowledge brokerage: open and dynamic exchange and dialogue

Plan as a process: planning shall be resilient

The rise and death of the planners: planners are not demiurges but process facilitators, translators
KNOWLEDGE GAPS

PLANNING AND DESIGN FOR URBAN RESILIENCE

EVALUATION OF URBAN RESILIENCE

KNOWLEDGE AND CAPACITY

RESEARCH-PRACTICE DIVIDE

INFORMED POLICY/DECISION MAKING

NATIONAL-LOCAL HARMONIZATION
PROCESS DESIGN
Methodology

1 ANALYSIS
2A FORECASTING
2B VISIONING

2C BACKCASTING

3 PLANNING
4 EXECUTION

FUTURE TRENDS
BEST FUTURE
FUTURE VISIONS

TRANSITION MILESTONES
STRATEGIC PLAN
PROJECTS

INTERVENTION N1
INTERVENTION N1
INTERVENTION N1

DISSEMINATION
REPLICATION
UPSCALING
MONITORING EVALUATION
APPROPRIATE TECHNOLOGIES

TRAINING EDUCATION

FUND RAISING
STAKEHOLDERS MAP
KNOWLEDGE MAP
ANALYSIS
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RE-THINKING URBAN TRANSFORMATION

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