Water Governance Capacity Framework

Stef Koop

1.1 Community knowledge
2.1 Information availability
2.2 Information transparency
1.2 Local sense of urgency
5.1 Ambitious and realistic management
5.3 Management cohesion
6.2 Collaborative agents
6.3 Visionary agents
8.1 Affordability
8.2 Consumer willingness to pay
8.3 Financial continuation
9.1 Policy instruments
9.2 Statutory compliance
9.3 Preparedness
4.3 Progress and variety of options
4.2 Protection of core values
4.1 Stakeholder inclusiveness
3.1 Smart monitoring
3.2 Evaluation
6.1 Entrepreneurial agents
7.1 Room to manoeuvre
7.2 Clear division of responsibilities
7.3 Authority
2.3 Knowledge cohesion
3.3 Cross-stakeholder learning

EIP Water
Boosting opportunities – Innovating water
Increasing risk over time of weather-related hazards to the European population: a data-driven prognostic study

Giovanni Forzieri, Alessandro Cescatti, Filipe Batista e Silva, Luc Feyen

Europeans yearly exposed to extreme weather:
From 25 million (1981–2010) to 351 million in 2100!
Cities need a long-term vision and strategy

Cities need to start investing in adaptation measures based on a long-term vision and strategy and by sharing best practices (Van Leeuwen, 2014).
Best practices exist: How can they be adopted by all?
Urban water solutions include:

1. Many organisations
2. Multi-levels of governance & multiple sectors
3. Different interests from public and private stakeholders

• How well are these institutions able together to solve common water challenges?

How can their problem-solving capacity be increased?
Governance Capacity Framework
Making scientific knowledge concrete & applicable

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Through three stages:
1. Literature study to preliminary score each indicator
2. In-depth interviews with main stakeholders to refine the scores
3. The interviewees feedback & final score is determined
Overall results Amsterdam

- 1.1 Community knowledge
- 2.2 Information transparency
- 1.2 Local sense of urgency
- 8.2 Consumer willingness to pay
- 5.1 Ambitious and realistic management
- 2.3 Knowledge cohesion
- 6.2 Collaborative agents
- 7.2 Clear division of responsibilities
- 7.1 Room to manoeuvre
- 9.3 Preparedness
- 2.1 Information availability
- 3.3 Cross-stakeholder learning
- 4.2 Protection of core values
- 4.3 Progress and variety of options

- 3.1 Smart monitoring
- 8.1 Affordability
- 6.3 Visionary agents
- 6.1 Entrepreneurial agents
- 5.3 Management cohesion
- 1.3 Behavioral internalization
- 9.1 Policy instruments
- 8.3 Financial continuation
- 7.3 Authority
- 5.2 Discourse embedding

- Flooding
- Water scarcity
- Urban heat islands
- Water quality

CITY BLUEPRINTS

EIP Water Action Group
Pooling resources – Innovating water
Flood risk

1. Community knowledge
   - Local sense of urgency
   - Behavioral internalization

2. Information transparency
   - Information availability
   - Smart monitoring
   - Information availability

3. Knowledge cohesion
   - Cross-stakeholder learning
   - Evaluation

4. Ambitious and realistic management
   - Stakeholder inclusiveness
   - Protection of core values
   - Progress and variety of options

5. Management embedding
   - Macro-level agenda
   - Discourse embedding
   - Management cohesion

6. Visionary agents
   - Entrepreneurial agents
   - Collaborative agents
   - Visionary agents

7. Authority
   - Clear division of responsibilities
   - Room to maneuver

8. Consumer willingness to pay
   - Affordability
   - Consumer willingness to pay
   - Financial continuation

9. Policy instruments
   - Statutory compliance
   - Preparedness
   - Policy instruments

CITY BLUEPRINTS
Urban Heat islands
### Analysed Cities:
1. Ahmedabad, India
2. Amsterdam, the Netherlands
3. Bandung, Indonesia
4. Leicester, UK
5. Melbourne, Australia
6. Milton Keynes, UK
7. New York City, USA
8. Quito, Ecuador

### Cities being analysed:
9. Cape Town, South Africa
10. Jerusalem, Israel
11. Rotterdam, the Netherlands
12. Taipei, Taiwan
13. Seoul, South Korea

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Conclusions: focus on governance and involvement

‘Technology is important to implement an intelligent city concept, to create new business opportunities, to attract investments and to generate employment. But technology alone would not bring about any wonders. Good governance and the active involvement of citizens in the development of new organization models for a new generation of services and a greener and healthier lifestyle are also important.’

Hahn, former EU Commissioner for Regional Policy
CITY BLUEPRINTS

Improving Implementation Capacities of Cities and Regions by sharing best practices on Urban Water Cycle Services

FURTHER INFORMATION
1. City Blueprint website of EIP Water: http://www.eip-water.eu/City_Blueprints
2. City Blueprint website of Watershare®: http://www.watershare.eu/
3. Netwerch2o: http://www.netwerch2o.eu/

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