



# FUTURE PERSPECTIVES ON URBAN CLIMATE ADAPTATION

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# THE CHALLENGE:

“CLIMATE ADAPTATION IS IMPORTANT, BUT...”



# METHOD

Interviews with City **CEOs**, rather than climate change officials: **How are investment decisions made?**

Focus on **frontrunner mid-sized cities**: Dordrecht, Hamburg, Bergen, Rotherham. Validation with global leaders: Singapore, Copenhagen, Rotterdam.

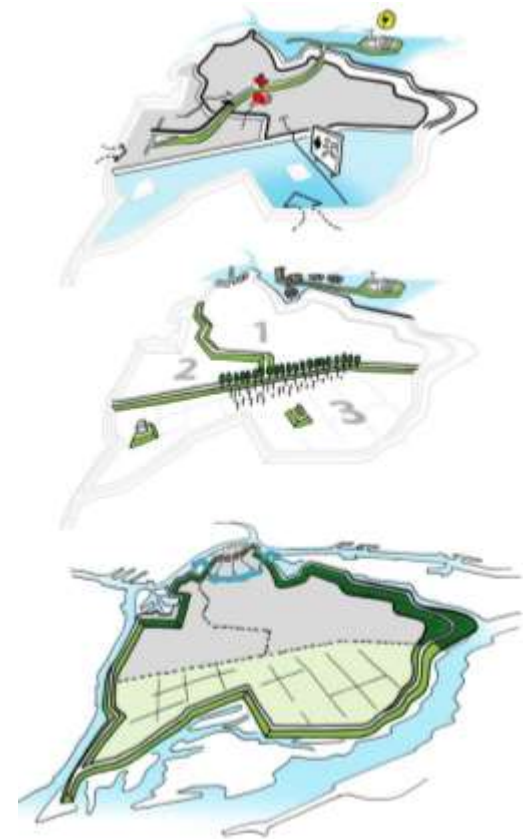
Based on State of the Art: World Bank, ICLEI

3 levels: operational, tactical, strategic

# ADAPTATION IS A POLICY AREA HERE TO STAY – BUT THE SOLUTION FOR DELIVERING HAS NOT BEEN FOUND



INDIVIDUAL SCHEMES CONTRIBUTE TO,  
BUT NOT OFTEN DELIVER RESILIENCE



INTEGRATED CONCEPTS ARE  
OFTEN NOT DELIVERED AT ALL

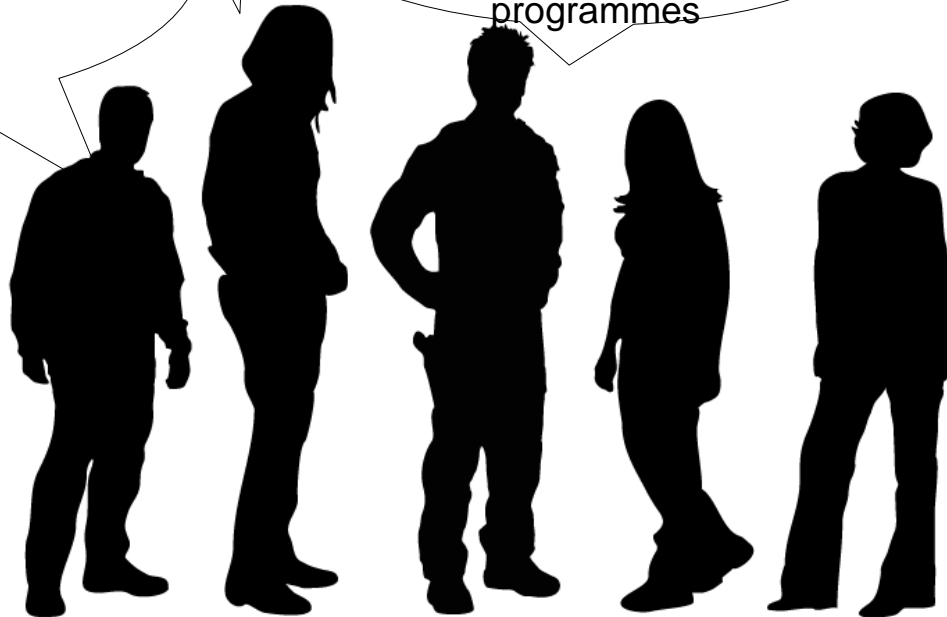
# THE KNOWLEDGE AND SOLUTIONS ARE AVAILABLE - ADAPTATION HAS A FINANCE AND GOVERNANCE GAP

Climate change is not the main driver for investment decisions

We've thrown a lot of money on it, have developed knowledge and cool pilots, but not common practice

Mainstreaming now through assertive civil servants; but no structure

A long term vision is needed that can be mainstreamed into regular investment programmes



ADAPTATION OFFICERS

CEO INTERVIEWS

FRONTRUNNER CITIES

# ADAPTATION IS A POLICY AREA HERE TO STAY – BUT WHAT WILL IT LOOK LIKE?

Climate Adaptation gets political weight through own programmes; discussion among equals

Urban adaptation will be based on a long-term vision, realised through **mainstreaming in projects**

Internal and external **adaptation funds** cover **'upgrading'** costs beyond standard

# OPERATIONAL (1): MAINSTREAMING CLIMATE ADAPTATION MEASURES IN MAINTENANCE WORKS



# OPERATIONAL (2): MAINSTREAMING CLIMATE ADAPTATION MEASURES IN URBAN DESIGN OF 'ANYWAY PROJECTS'





# TACTICAL (1):

# NEW FINANCIAL MODELS PER SCHEME: PUBLIC-PRIVATE

**SHEFFIELD  
LOWER DON VALLEY**  
**FLOOD DEFENCE  
PROJECT**

HOME

ABOUT

PROGRAMME OF WORKS

LATEST NEWS

USEFUL LINKS



## PROGRAMME OF WORKS

FINANCING BY CITY & COMPANIES & EXISTING FINANCIAL INSTRUMENTS  
FROM DIFFERENT DOMAIN (HERE: INNOVATION)

TACTICAL (2):

NEW FINANCIAL MODELS PER SCHEME: PUBLIC-PUBLIC



DYKE REINFORCEMENT BY MINISTRY & WATERBOARD, ADDITIONS BY CITY

# STRATEGIC (1): POLICY PROGRAMMES



FROM POLITICAL SUPPORT TO POLICY PROGRAMME

# STRATEGIC (2): EXTERNAL FUNDING SCHEMES



GREEN  
CLIMATE  
FUND



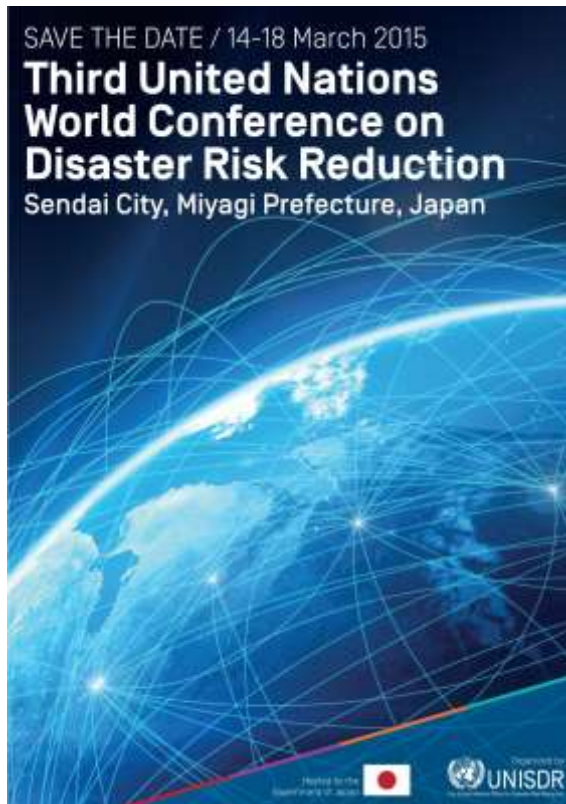
European  
Investment  
Bank



FUNDS PROVIDING LOW-COST CAPITAL GEARING TOWARDS ADAPTATION

# CITIES TAKE THE LEAD (1)

## BRIDGING THE FINANCE AND GOVERNANCE GAP



CLIMATE ADAPTATION WILL TAKE PLACE IN CITIES...

...CITY (NETWORKS) HELP SHAPE THE GLOBAL AGENDA AND FINANCING

# CITIES TAKE THE LEAD (2): DELTA EXPERIENCE CENTRE AS A TOOL FOR CITY-TO-CITY LEARNING

Physical location for meetings (incl. C2C learning) of:

- LAA: governments & institutes
- City labs: inhabitants
- Cooperative organization: businesses

Marketing of expertise and showcases:

- Tourism
- Maritime technology
- Adaptive flood risk / delta management

# CONTACT & REFERENCES

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