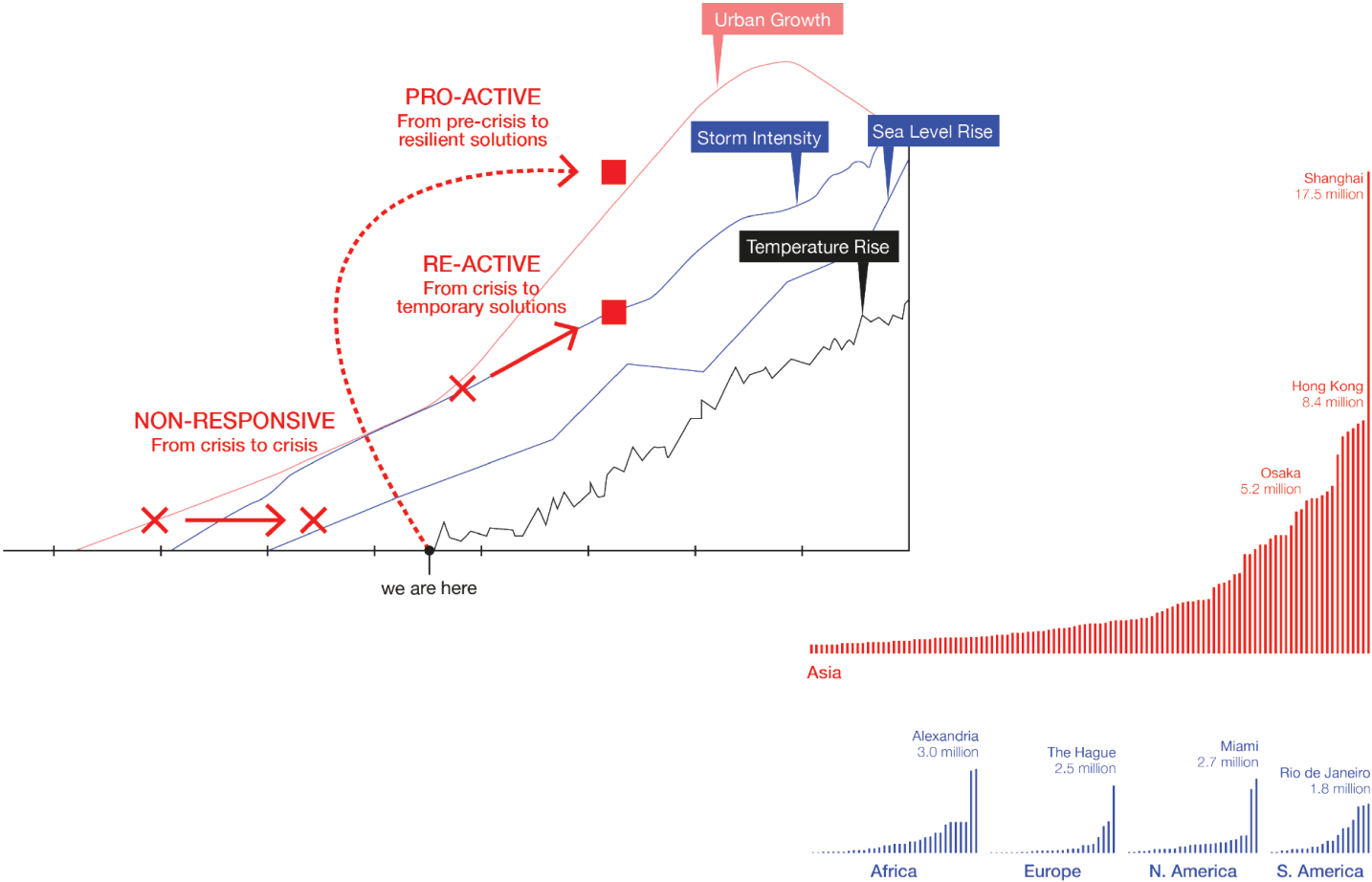


# Water for as Resilient Cities Leverage Asia

Information meeting Call for Action

April 26, 2018

# Climate-related disasters are complex and growing in their impact on urban centers, particularly in South and South East Asia



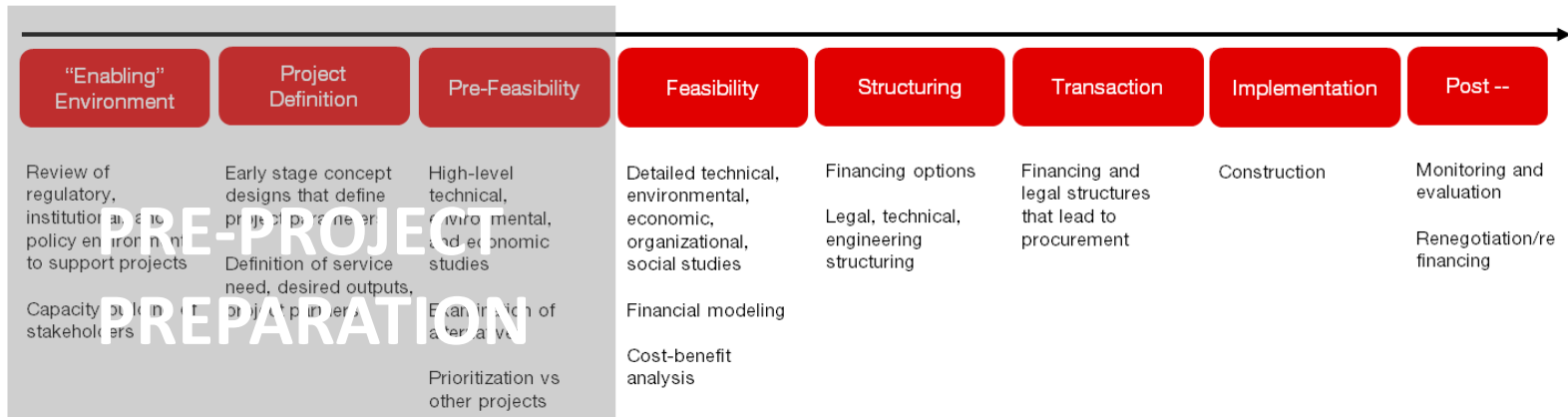
While every city's context differs, the impacts of water challenges in large Asian cities are similar

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# The traditional project development approach is inadequate to address these complex water-related urban growth challenges

## Typical Project Development Timeline



### Challenges:

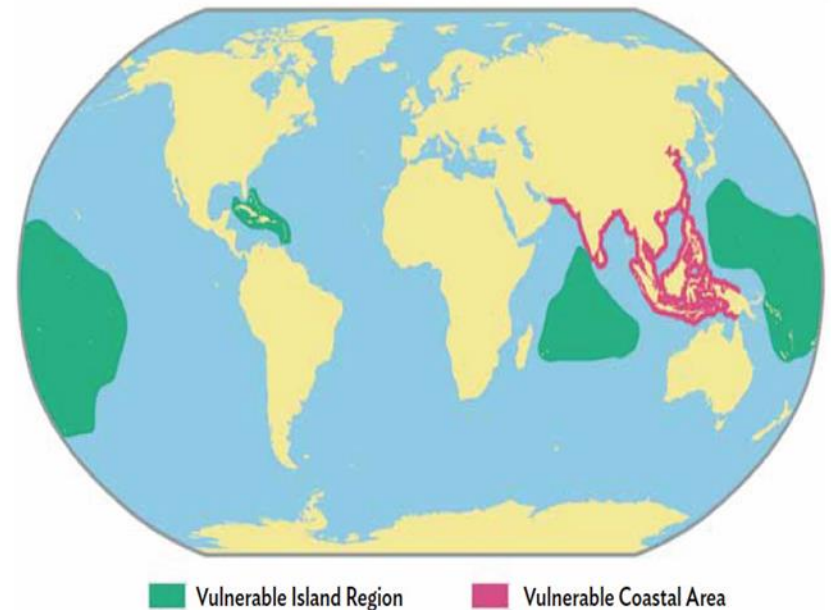
- Limited funding for pre-project preparation phase (“need millions to spend billions”);
  - Not inclusive of diverse actors in project development process;
  - Siloed/sectoral approach to project conceptualization;
  - Lack of integration between projects and the city-wide goals and long term vision.
- ≡ Uninspired projects that don’t address water challenges holistically and lack ability to be implemented

# Water as Leverage for Resilient Cities Asia

‘Water as Leverage’ will provide the catalytic first millions in investment, with the aim of developing **conceptual designs that will leverage water for real urban climate resilience.**

The programme invites **internationally operating multidisciplinary teams** to develop **innovative, bankable** and **implementable** design proposals.

Coastal Regions Most Vulnerable to a Climate Change-Related Sea-Level Rise  
(Asia and the Pacific)



**Water as Leverage** is a global program sponsored by the Netherlands that aims for impactful and catalytic change in urban regions worldwide

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*WATER AS LEVERAGE GOALS:*

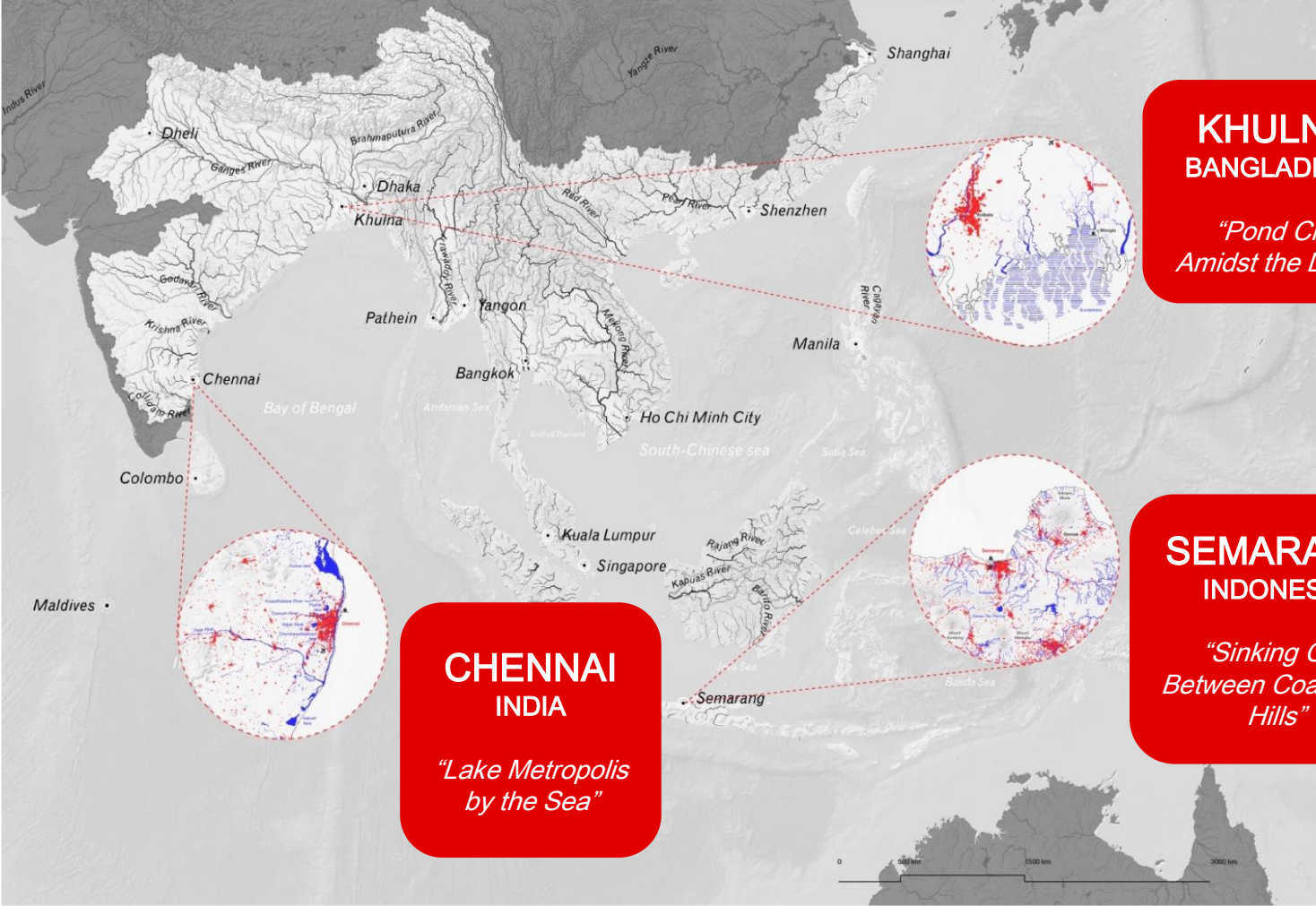
Enabling environment for climate resilient project development

Match between long-term comprehensive planning and short-term innovative transformation

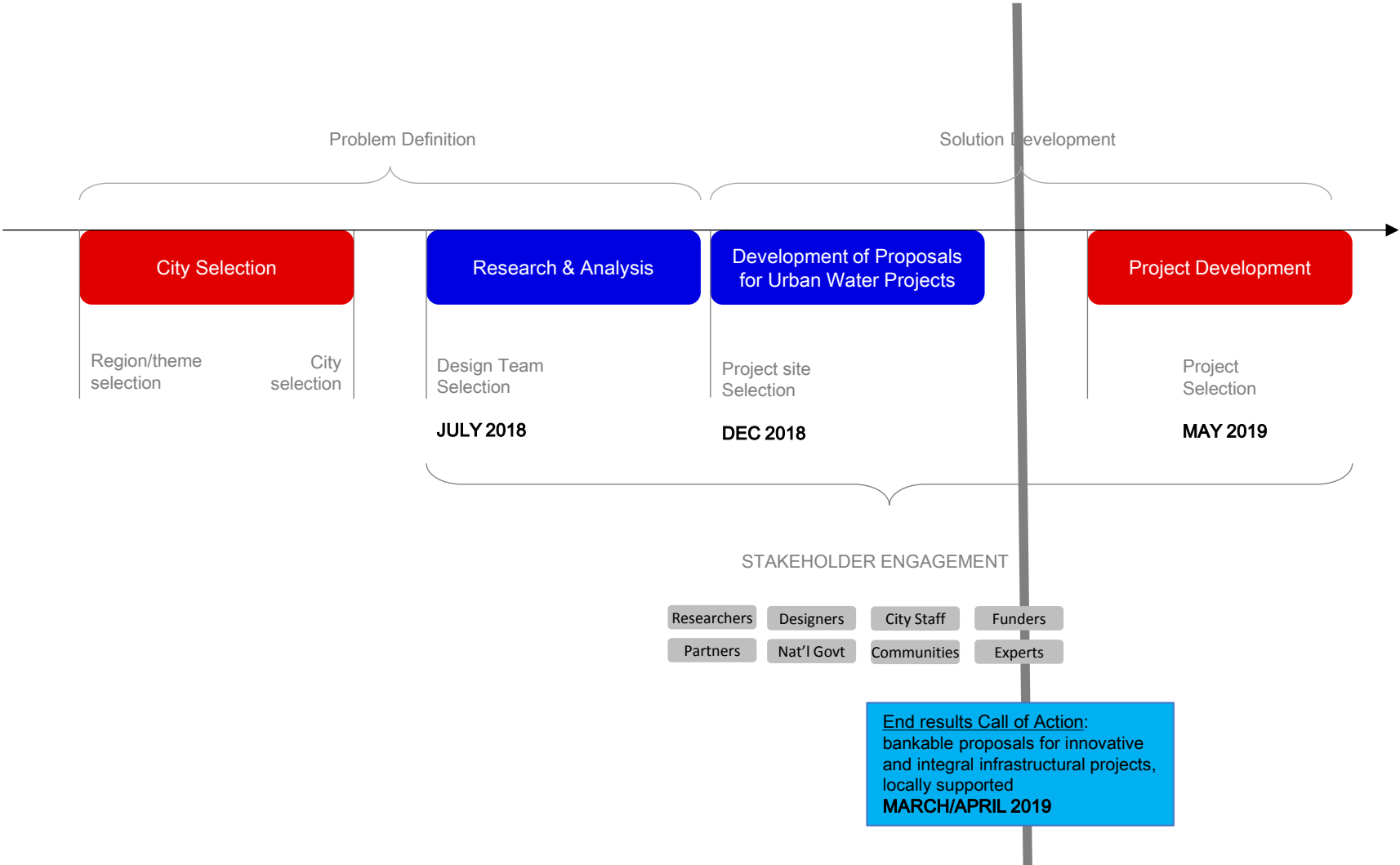
Design-driven solutions to strengthen cities' resilience to water-related challenges

Follow-up project proposals by Asian Infrastructure Investment Bank (AIIB) and Dutch Development Bank (FMO) / Joint Venture Invest NL

The first Call for Action will provide access to Water As Leverage program for three Asian cities, each with unique water challenges



# During the Call, cities and design teams will work for 9 months to deliver conceptual designs and infrastructural project proposals



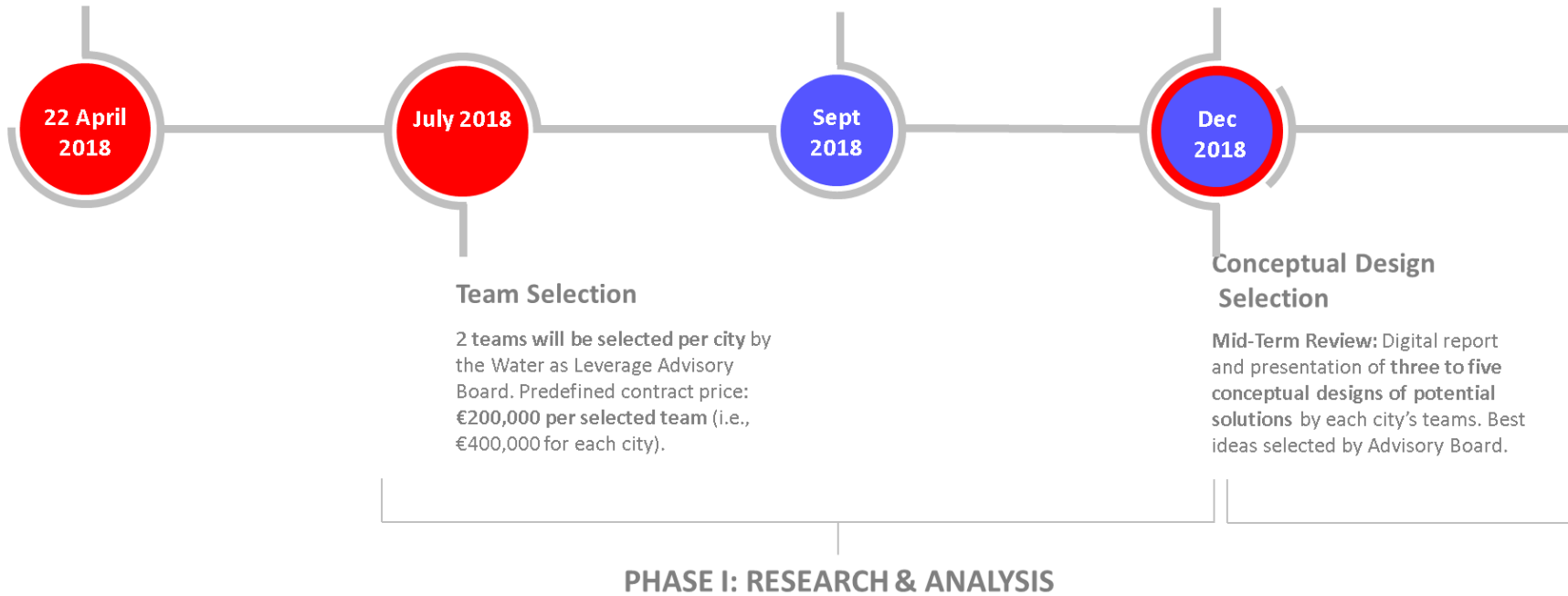


# Process & Milestones

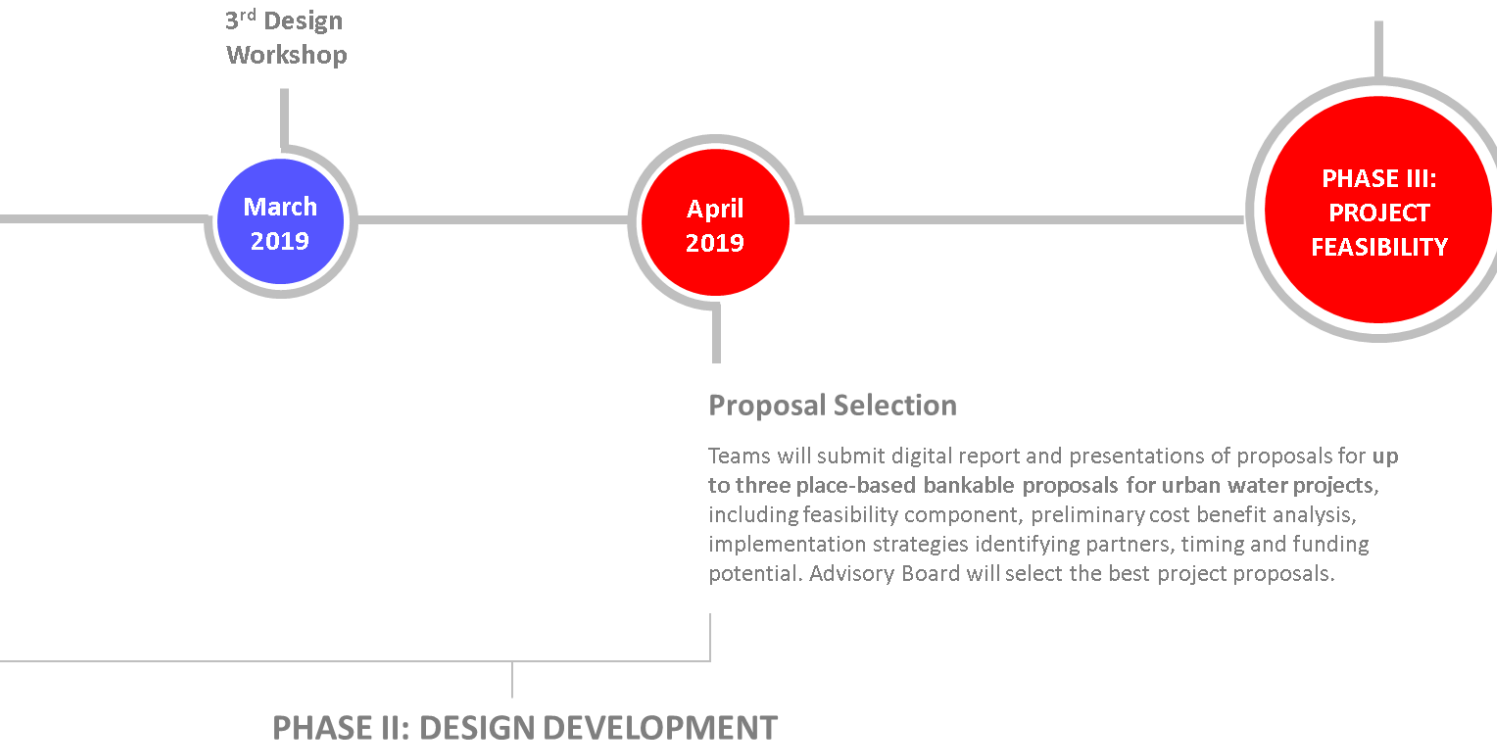
DESIGN WORKSHOPS:  
Teams will work in close  
collaboration with local  
stakeholders.

## Launch 'Call for Action' on Earth Day

Invite engineers, architects, designers, etc. from around the world to form interdisciplinary teams and participate in developing bankable project proposals around Water as Leverage for Chennai, Semarang & Khulna.



## Process & Milestones



### End Goal

Develop at least six bankable proposals (1 per team/ 2 per city) for innovative and integral urban water projects, locally supported with a focus on physical infrastructure. FMO and AIB will help support the development and open its capacity for implementation and co-financing.

### Proposal Selection

Teams will submit digital report and presentations of proposals for up to three place-based bankable proposals for urban water projects, including feasibility component, preliminary cost benefit analysis, implementation strategies identifying partners, timing and funding potential. Advisory Board will select the best project proposals.

Pre-feasibility project proposals will complement ongoing activities and build on the knowledge and expertise of the city.

## Governance of the Programme

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*Advisory Board, chaired by Mr Henk Ovink, Special Envoy on International Water Affairs, will include representatives from:*

- *Chennai , Khulna and Semarang*
- *Asian Investment and Infrastructure Bank (AIIB) and Dutch Development Bank (FMO)*
- *Global Centre of Excellence on Climate Adaptation*
- *100 Resilient Cities*
- *International Architecture Biennale Rotterdam*

*Supported by The Netherlands Enterprise Agency (RVO.nl, on behalf of the Ministry of Foreign Affairs)*

# Project designs should draw from five basic approaches or pathways to dealing with water issues

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## **Improving the Old with the New**

Accommodating urban growth by organizing a new water management system for the whole city



## **Incremental Upgrading**

Facilitating the upgrade of urban living by quick-win investments in water infrastructure



## **History is the Future**

(Re)structuring current and future urbanization by recovering the historical water system



## **Living with Water**

Introducing amphibious systemic water strategies that store, delay, retain or reuse available water



## **Adapt to Mitigate**

Creating space and adapting urbanization tailored to the seasonal dynamics of water bodies

# The program offers seven recommended principles for developing projects that mitigate water challenges

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## 1. **Understand the system**

Obtain local knowledge and pool expertise to define the most suitable project

## 2. **Adapt the system to the world**

Involve development parties from the start and promote assessment tailored to water and climate adaptation

## 3. **Share the responsibility**

A new governance model that integrates frameworks of higher authorities with the know-how of local governments

## 4. **Do more with less**

Build transformative capacity by focusing on recurring challenges and setting up programs

## 5. **Imagine what does not (yet) exist**

Re-think how we want to live with and manage water

## 6. **Collectively discuss proposals**

Create public debate and gather social awareness and support

## 7. **Have real impact on the ground**

Invest in the implementation of the best resilient projects imaginable and build coalitions around them

# Water as Leverage for Resilient Cities Asia

## On this Page

↓ [Call for Action](#)

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↓ [The challenge](#)

↓ [The programme](#)

The Special Envoy for International Water Affairs, Henk Ovink and the Netherlands Enterprise Agency (RVO.nl, on behalf of the Ministry of Foreign Affairs) are taking on the challenge of addressing water crises in urban areas. The programme Water as Leverage for Resilient Cities Asia is collaborating with the cities of Chennai (India), Khulna (Bangladesh) and Semarang (Indonesia) to tackle urban water-related challenges in an innovative and inclusive way.

The programme invites internationally operating multidisciplinary teams to develop innovative, bankable and implementable design proposals. Actual implementation is the final aim. Therefore, Water as Leverage has entered a partnership with the [Asian Infrastructure Investment Bank](#), [100ResilientCities](#) and the [Global Centre of Excellence on Climate Adaptation](#). Furthermore, Water as Leverage for Resilient Cities Asia is supported by the UN/World Bank [High Level Panel on Water](#).

## Call for Action

On World Earth Day (22 April 2018) Water as Leverage launched its first call for professional teams to engage in Chennai, Khulna and Semarang.

The call consists of the following documents:

- [The Call for Action document](#)
- The 'Setting the Scene' document - available for download at [www.waterasleverage.org](http://www.waterasleverage.org)
- [WaL Guidelines](#)
- [Water as Leverage Application Form](#)

## Questions about Water as Leverage?

[Get in touch with us](#)

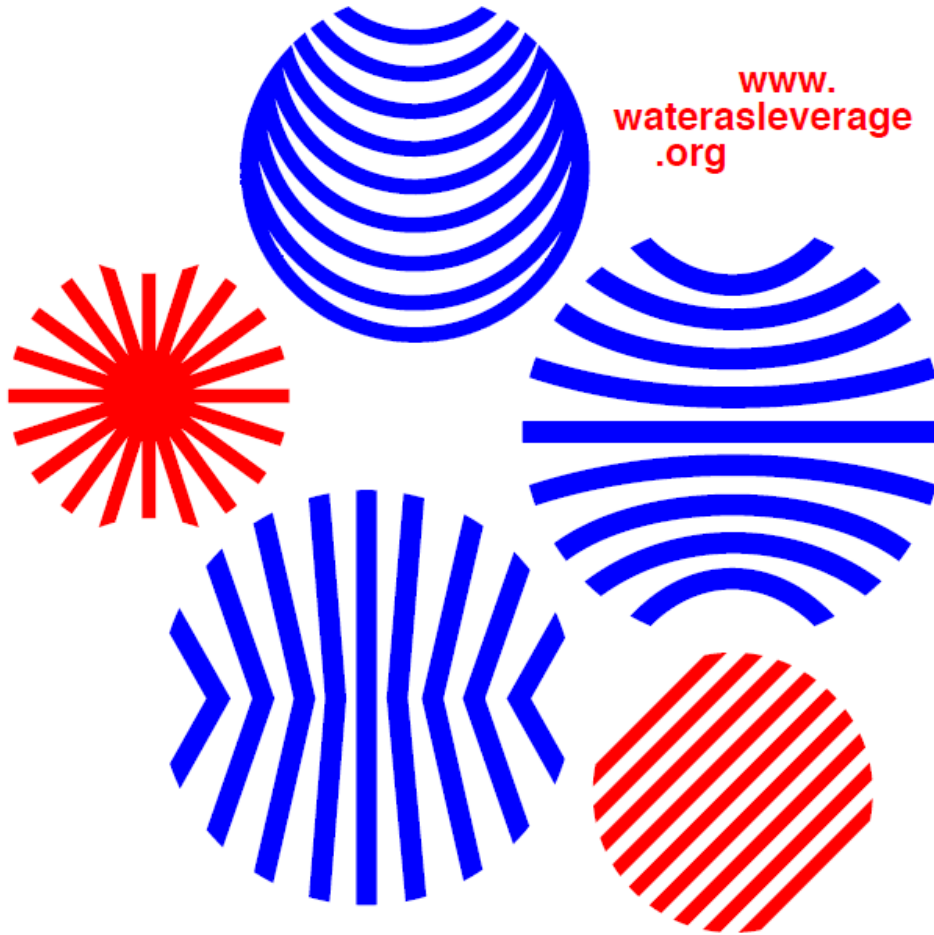
## Commissioned by

- *Ministry of Foreign Affairs*

## Also of interest

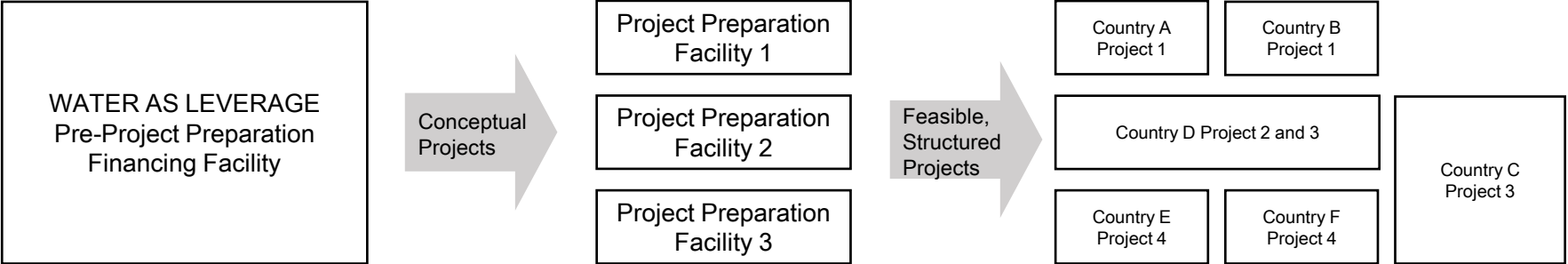
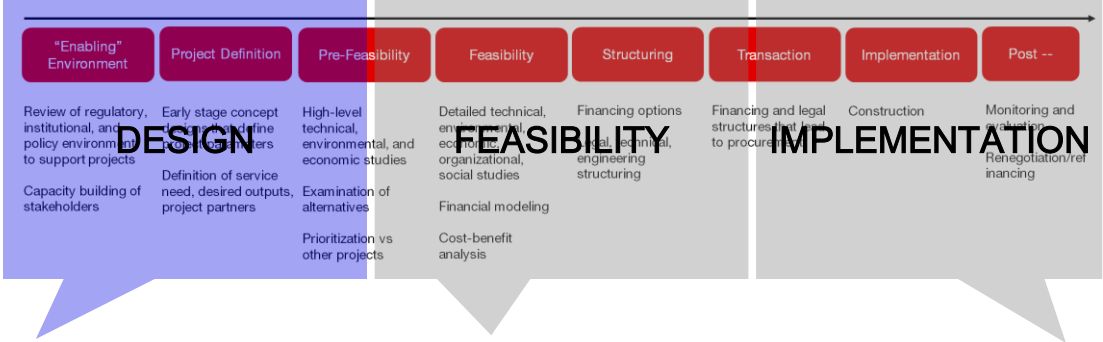
- › [Join the challenge to use water as leverage in resilient cities](#)
- › [Apply now - join the challenge to use water as leverage in resilient cities](#)
- › [Information meeting Call for Action 'Water as Leverage for Resilient Cities Asia'](#)

www.  
waterasleverage  
.org



Setting the scene for a  
**Call for  
Action**

# This Call for Action will inform the development of a Water As Leverage Pre-Project Preparation Facility that will help generate bankable projects





*“ Solutions of the past are often the problems of tomorrow. We have to leap-frog. We have to understand the future much better to deal with future challenges and provide us with solutions for a more sustainable and water resilient world.”*

*-- HENK OVINK*



[English.rvo.nl/waterasleverage](https://english.rvo.nl/waterasleverage)

[WAL@rvo.nl](mailto:WAL@rvo.nl)