



Ministry of Infrastructure
and Water Management

HELP Action on Climate Change Process (Breakout Session 3)

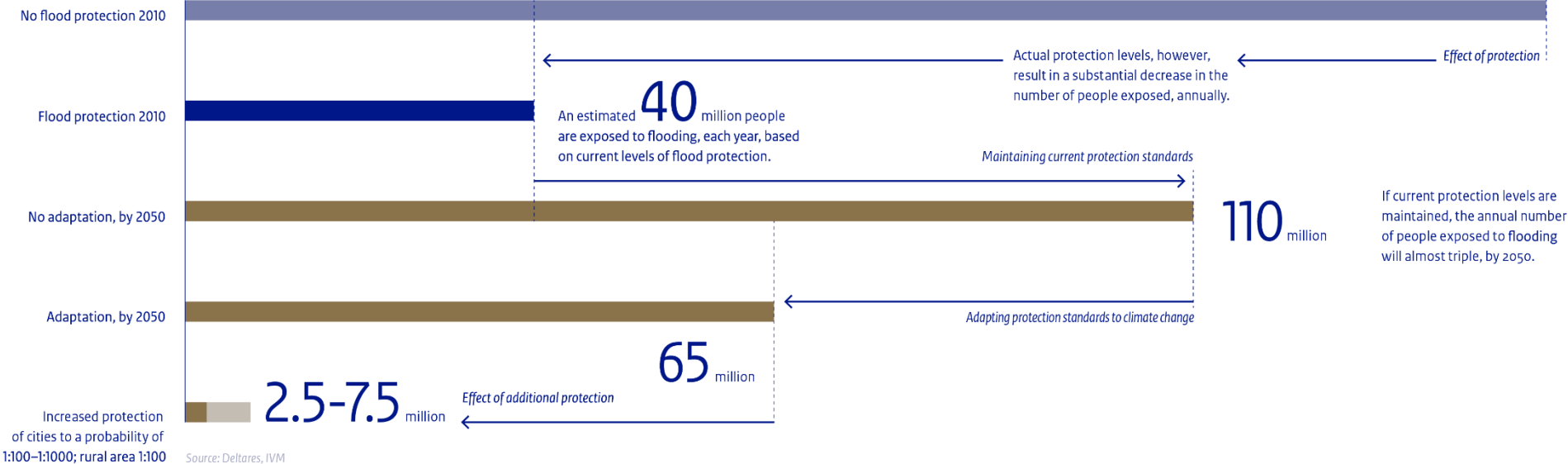
Niels Vlaanderen



Population exposed to river flooding, annually

Without any protection against flooding, an average **150** million people would be exposed to river flooding, each year, based on current population numbers.

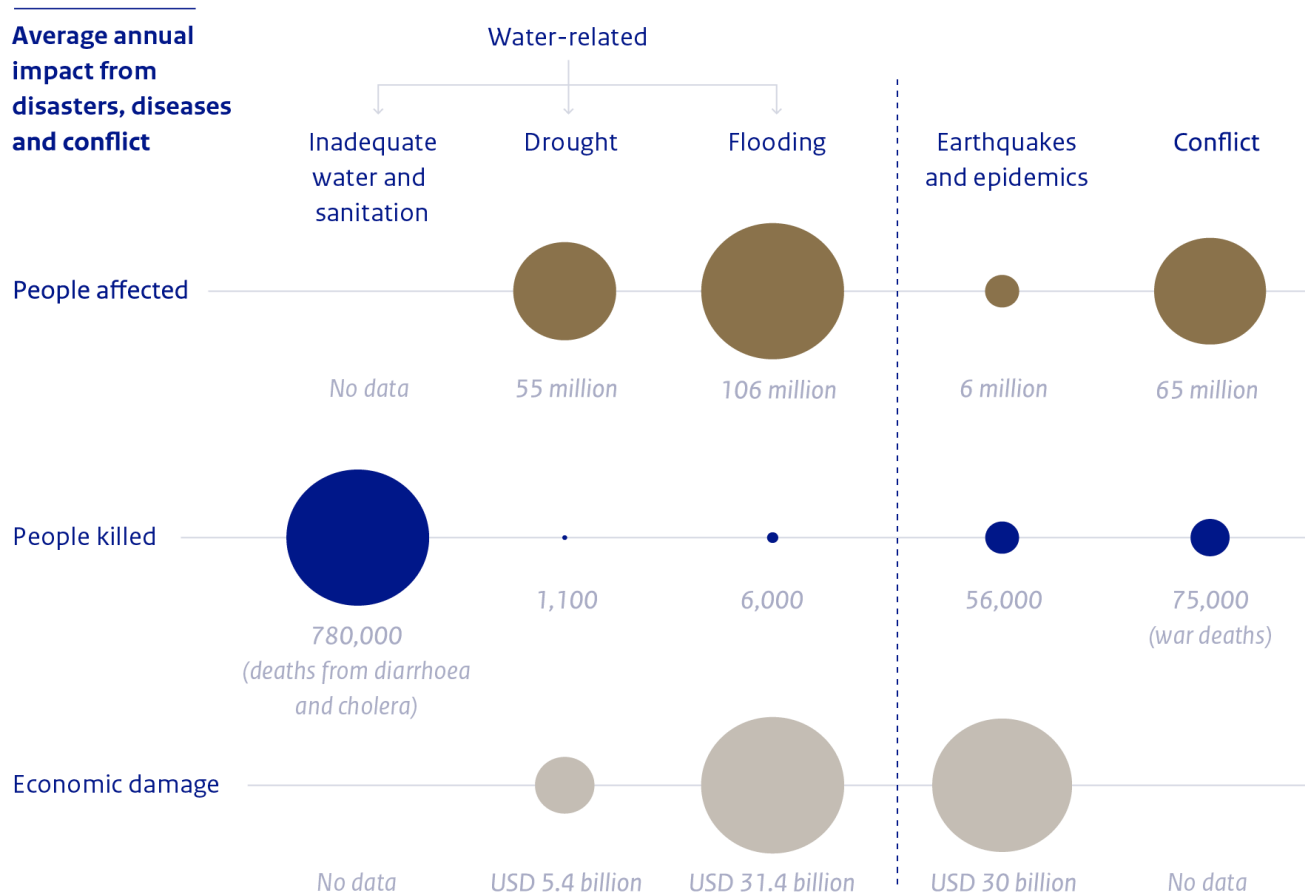
Population exposed to river flooding, annually



Flood protection pays off ! (Source: PBL, Deltares, a.o., 2018)



Average annual impact from disasters, diseases and conflict



The scale of Water Related Disasters (Source: PBL, Deltares, a.o., 2018)



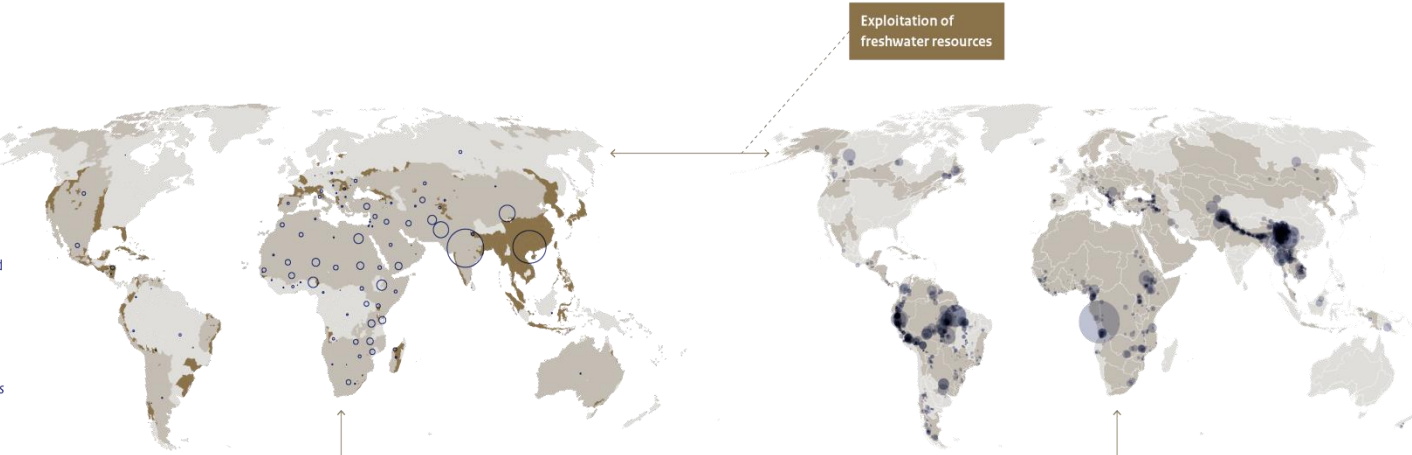
Drylands and water-stressed areas

Challenges:

- Improving water and land management
- Reducing crop yield gaps
- Improving local livelihood prospects
- Reducing the risk of local conflict

Drylands
 Water stress outside drylands
 Rural population 2050

Source: PBL



Transboundary river basins

Challenges:

- Reducing the impact of dams
- Managing water demand and supply
- Preserving sediment flows
- Preserving ecological quality
- Retaining transboundary collaboration

Planned dam (capacity in MW) 10,000
 Transboundary river basin

Source: PBL

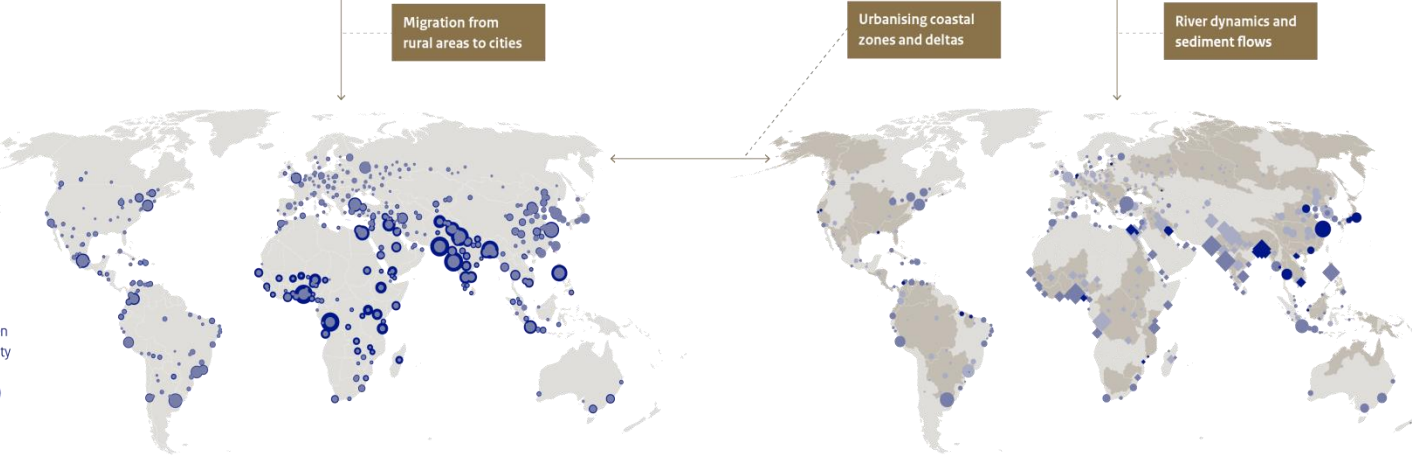
Cities

Challenges:

- Making cities and infrastructure climate-resilient
- Improving sanitation
- Reducing nutrient emission levels
- Reducing the risk of river flooding
- Reducing inequity between the formal and informal city

City (population > 500,000) 2010
 2050

Source: PBL



Coastal zones and deltas

Challenges:

- Reducing the risk of river and coastal flooding
- Coping with sea level rise, soil subsidence and salinisation
- Preventing long-term migration and economic losses

Delta river basin
 Delta city
 Coastal city
 River city
 Rapidly growing cities

Source: PBL



Some HLPW headline recommendations:

BUILD RESILIENT SOCIETIES AND ECONOMIES, REDUCING DISASTER RISK

- ◆ Shift the focus of disaster management from response to preparedness and resilience.
- ◆ Create incentives for water users, including irrigators, to use water efficiently, to not pollute water, and to promote its reuse.
- ◆ Take action where water-related risks may exacerbate fragility, conflict, or forced displacement, and affect peace and security.



DEVELOP SUSTAINABLE CITIES

Implement an integrated approach to urban water management in line with the Habitat III New Urban Agenda, aiming at more adaptable and resilient infrastructure.



INCREASE WATER INFRASTRUCTURE INVESTMENT

Improve the enabling environment for investment in sustainable water-related infrastructure and services, in order to at least double current levels of investment.





What did we do so far

- HELP position paper on [CC and water-related DRR: Time for Preventive Action!](#) (2015)
- HELP draft position paper on [Water and Delta-Cities: Accelerating Urban Resilience](#) (2016)
- COP23 Policy Brief – [Sustaining Waters, Sustainable Cities: Urban Climate Change and SDG Policy Solutions through Water resilience](#) (2017)
- Active contributions several events:....
- All, both the papers and the meetings, subscribed by multiple agencies and actors, called for:
 - acceleration of action needed on water-related DRR, and
 - paying more attention to preventive approaches,
 - exploring metrics for disaster resilient infrastructure, and
 - seeking synergies between climate adaptation, water management and DRR
- Yet, formal processes at the global level are still lagging behind



Where do we aim at

HELP Action Strategy II: 'Mainstreaming water and disaster in discussion and practice on climate change adaptation', progress?

- Analyze and promote positioning water-DRR within work programme UNFCCC
- Analyze international initiatives and funds CCA (incl. AAA Initiative)
- Develop practical guidance to facilitate use of funds related to water-related DRR
- Advocate HELP Position Paper on Climate Change

Outcome of HELP 10 (Sep 2017):

- More focus on preventive measures;
- global data on cost-benefits of DRR;
- side events;
- reach out beyond water communities;
- Work jointly with UNISDR, GCF, COP, a.o.;
- High Level Champions.



Where do we go from here

- open discussion, indicating priorities
- **HELP10: move from building awareness and advocacy towards targeted action, some ideas:**
 - Discussion on Water and Disasters to be regularized via regular UN-STSWD events
 - Action Plan on Water & Disasters II into Implementation Plan Water Decade for Action (2018-2028) > Dushanbe, June 2018
 - Getting closer to the formal UNFCCC processes
 - **Develop Guidance on “DRR-proofing” of NDCs/NAPs** (jointly with UNISDR)
 - Contribute to reporting processes by UNFCCC (Paris) resp. UNISDR (Sendai)



Where do we go from here, continued.....

- Establish a community of Practice for DRR jointly with CCA practitioners
- UNGA: Heads of State & Climate Summit (Sep 2019)
- Stock taking at formalized moments (and preparatory docs for those)
- HLPF (July 2018) (incl. SDG 6, 11, 14, ...)
- Review SDG Targets/Indicators (2020, again in 2024), e.g. new indicator on investments in preventive measures... other?
- contribute to GAR and other UNISDR data reporting
- contribute to Guidances (e.g. on **Disaster Resilient Infrastructure**)
- Liaise beyond the Water Community, with e.g: migration – IOM
- Follow-up on specific recommendations HLPW outcome doc March 2018
- Other suggestions



What to do first

- Liaise closer with UN system , especially UNISDR, and jointly with UNFCCC
- **Develop Guidance on “DRR-prevention” in DRR plans and NDCs/NAPs**
- **Develop Guidance on “CCA-proofing” of National/Local DRR plans**
- joint inputs to prep-COP24 and COP24, idem COP25
- explore guidance on Disaster Resilient Infrastructure
- **workshop on Guidance DRR-prevention at HELP12 (nov/dec 2018)**
- Collect data on cost/benefits of water-related DRR preventive measures
- Consider possible updates of DRR targets/indicators and SDGs in the 2020 review
- HLPW > follow-up on water-related DRR recommendations
- HLPF – side event on “prevention in DRR” //
- World Water Week Stockholm (AGWA-HELP joint session on DRR-CCA)
- Contribute to COP24/25
-