



Challenges and Solutions for Water Security

- › Dennis van Peppen
- › *Lead International Water Programmes – Netherlands Enterprise & Development Agency*



PROLONGED DROUGHTS

NATIONAL
DELTA PROGRAMME

A photograph of a flooded street. In the background, a large, multi-story brick building with several dormer windows is visible. The street is completely submerged in murky, rippling water. Several tall, leafless trees stand in the water, and a series of streetlights are visible along the flooded road. The sky is overcast and grey.

EXTREME WEATHER TORRENTIAL RAIN

NATIONAL
DELTA PROGRAMME



HIGH AND LOW RIVER DISCHARGE

**NATIONAL
DELTA PROGRAMME**



THE SEA LEVEL IS RISING

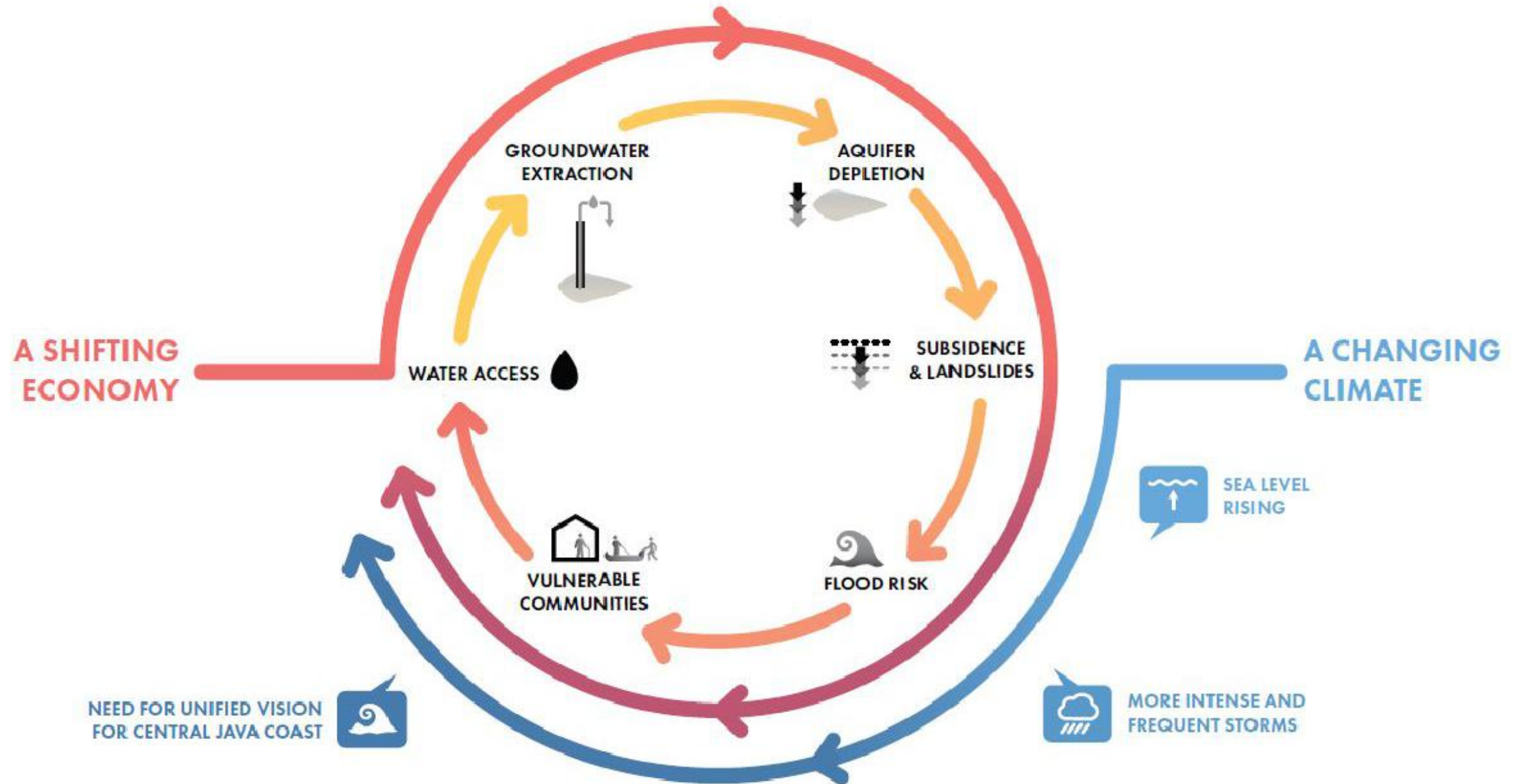
NATIONAL
DELTA PROGRAMME







CYCLES OF VULNERABILITY





Multilevel approaches

Embrace complexity

- › Work with governments,
- › but also with industry and the financial sector,
- › and with civil society and people
- › Improve legislation & enforcement,
- › but also co-create solutions
- › Work on water in value chains,
- › but on water also in landscapes, river basins and cities
- › Work holistic, integrated and inclusive



Water is systemic

- Recognize the need for system change in how we value & manage water
- Focus on driving system change in key sectors and in geographies



Water has many values

Valuing Water Principles



Recognize and embrace water's multiple values to different groups and interests in all decisions affecting water;



Reconcile values and build trust – conduct all processes to reconcile values in ways that are equitable, transparent and inclusive;



Protect the sources, including watersheds, rivers, aquifers, associated ecosystems, and used water flows for current and future generations;



Educate to empower – promote education and awareness among all stakeholders about the intrinsic value of water and its essential role in all aspects of life;



Invest and innovate – ensure adequate investment in institutions, infrastructure, information and innovation to realize the many benefits derived from water and reduce risks.



Water governance must be more inclusive

- Investing in inclusive process
- Co-creation of solutions
- Locally-led adaptation
- Integrated water resources management
- Coordination & leadership at a central level to achieve integration



Global Commission on the Economics of Water

Reversing the Flow



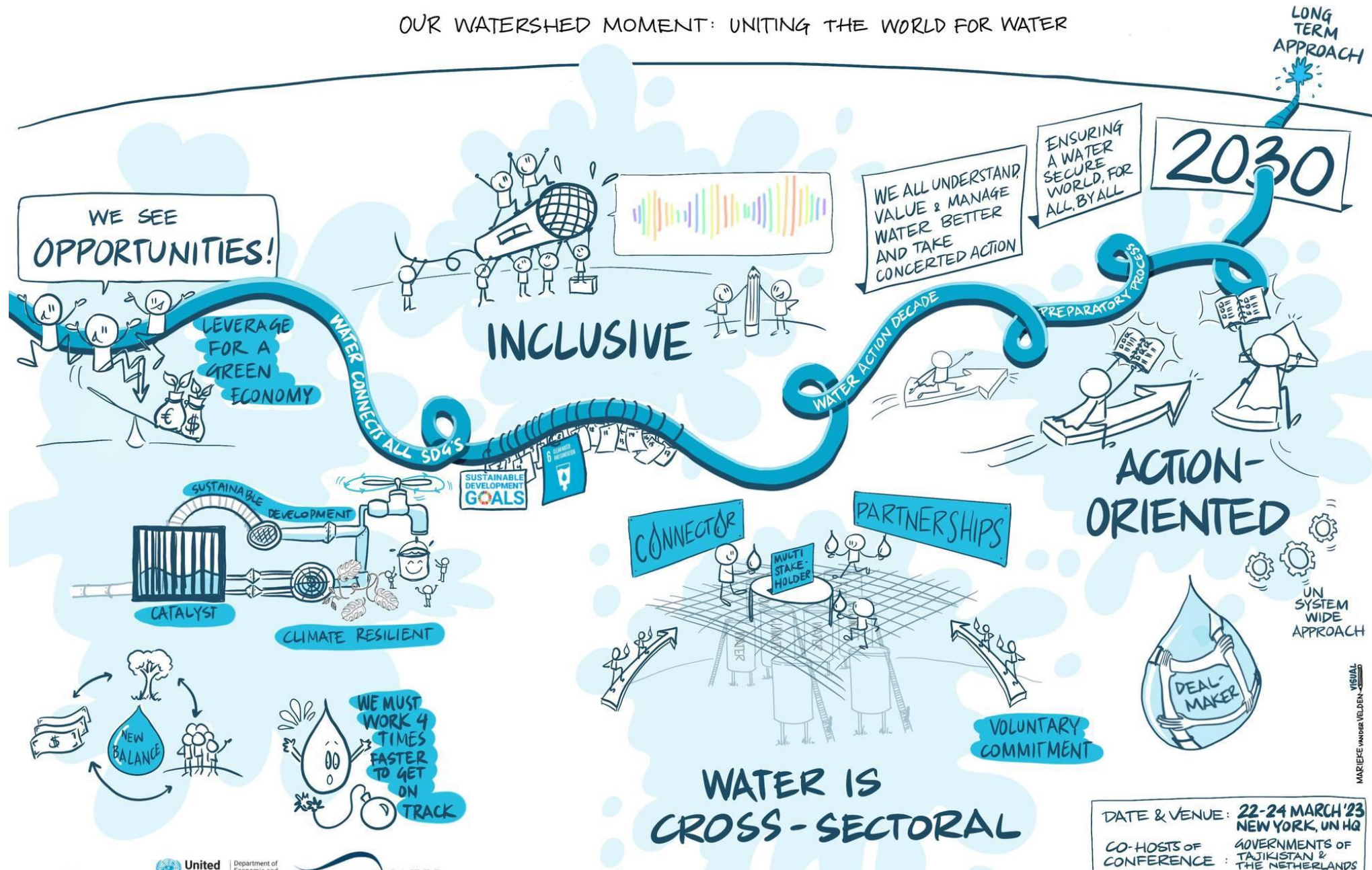
UN 2023 Water Conference²²
23 - 24 Mar 2023, New York



GLOBAL
CENTER ON
ADAPTATION

VISION STATEMENT UN 2023 WATER CONFERENCE

OUR WATERSHED MOMENT: UNITING THE WORLD FOR WATER



TOGETHER WE TURN CHALLENGES...
Channel in Amsterdam, 1960





...INTO OPPORTUNITIES

**Channel in Amsterdam, National Holiday Kings day , 27
April 2022**