



01 WHY IT MATTERS?

Groundwater: Vital, but invisible



(Credit: Amit Dave, Reuters, 2003)

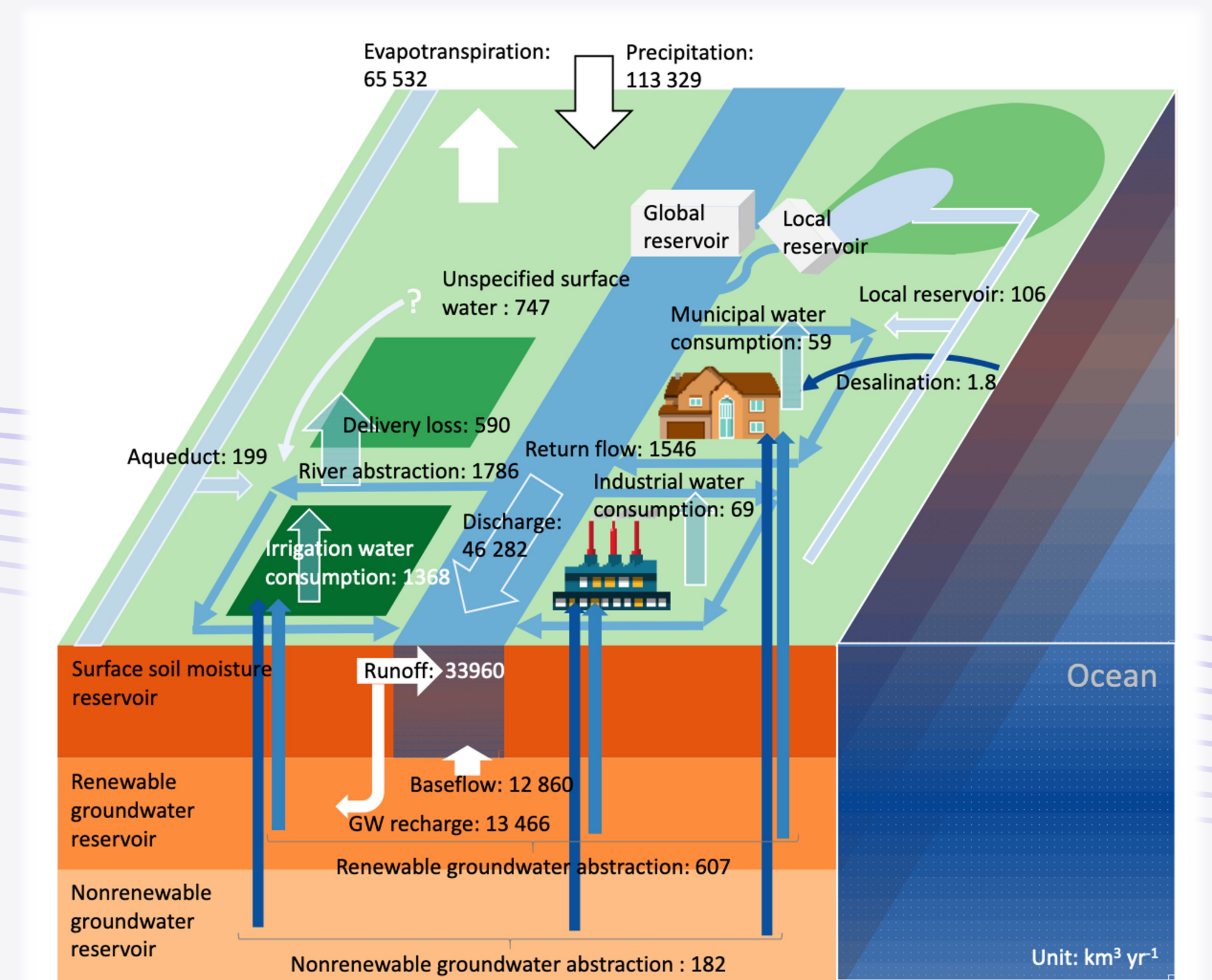
 **~23 million km³**
 Largest freshwater reservoir on Earth (excluding glacier)

 **~25%**
 of global freshwater supply from groundwater

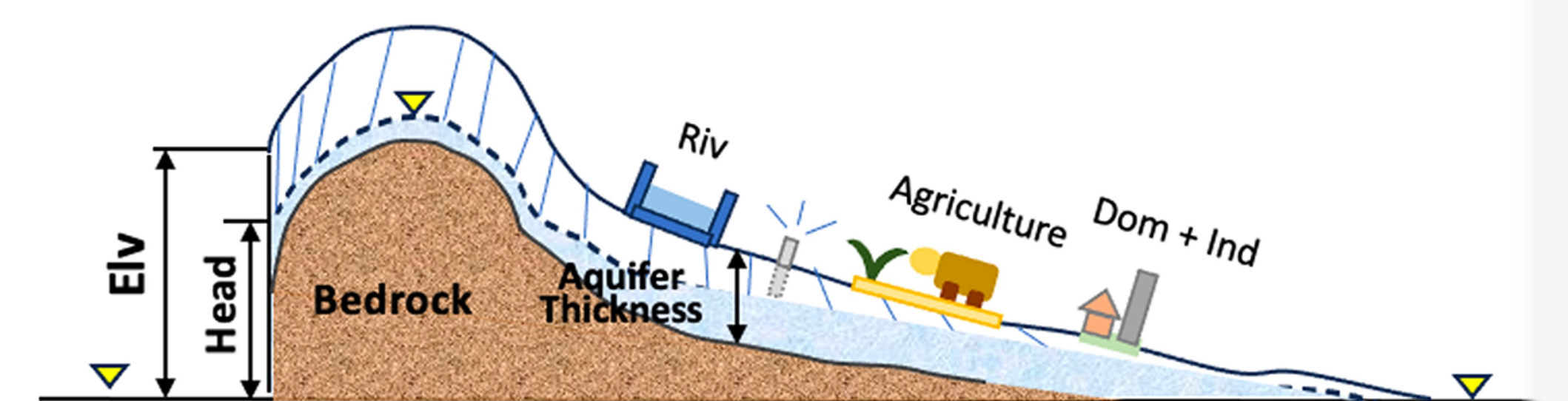
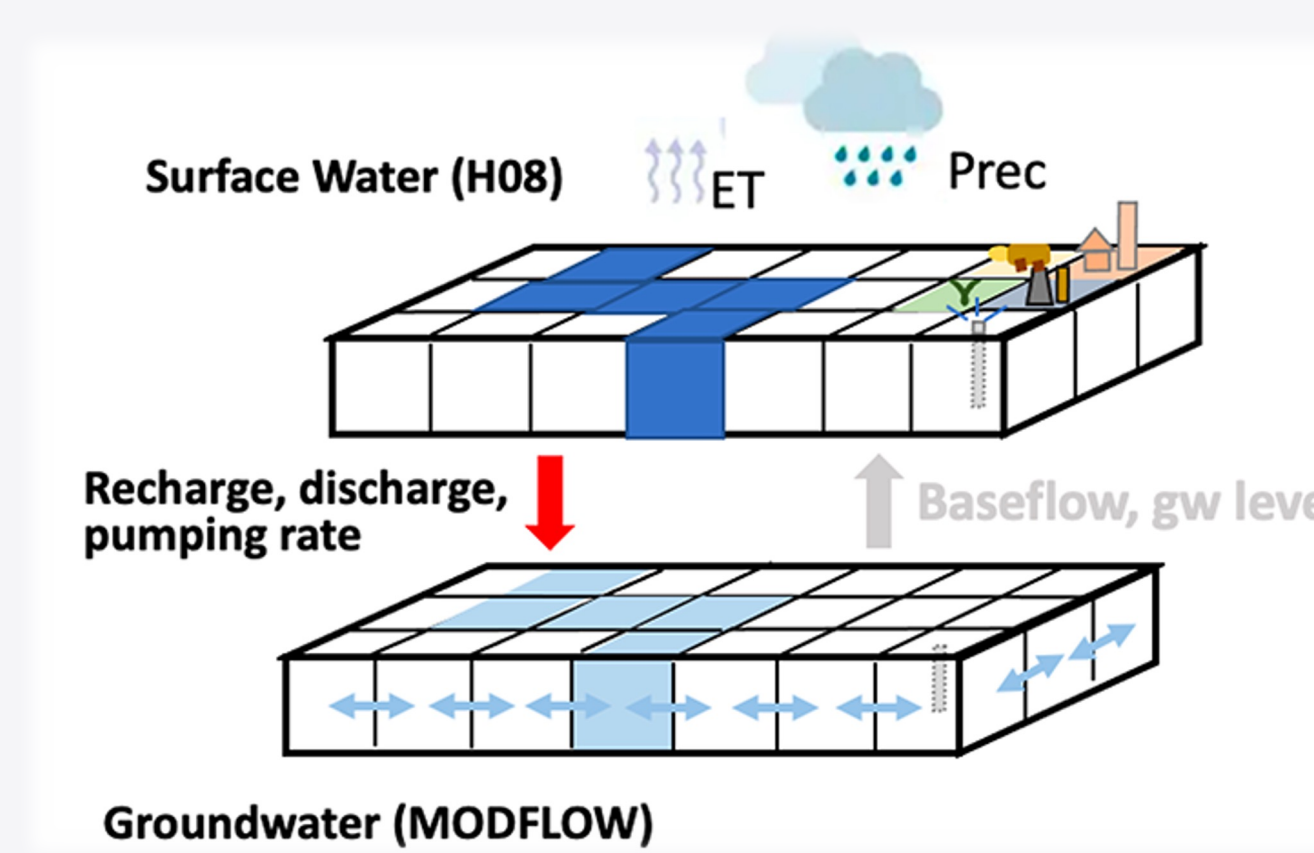
 **~2 billion**
 people rely on groundwater for drinking

02 MAKING THE INVISIBLE VISIBLE

A global groundwater digital tool for our changing world



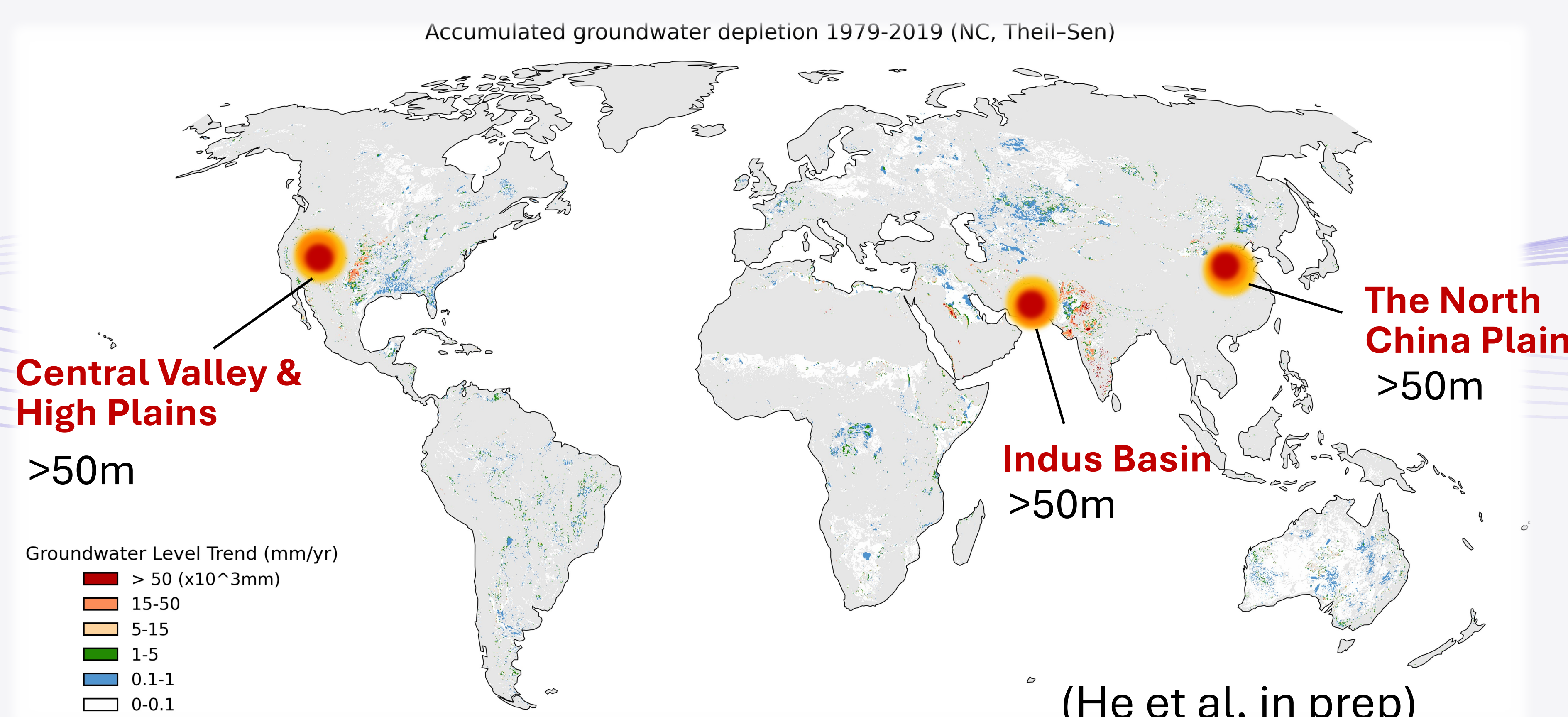
(Hanasaki et al, 2018)



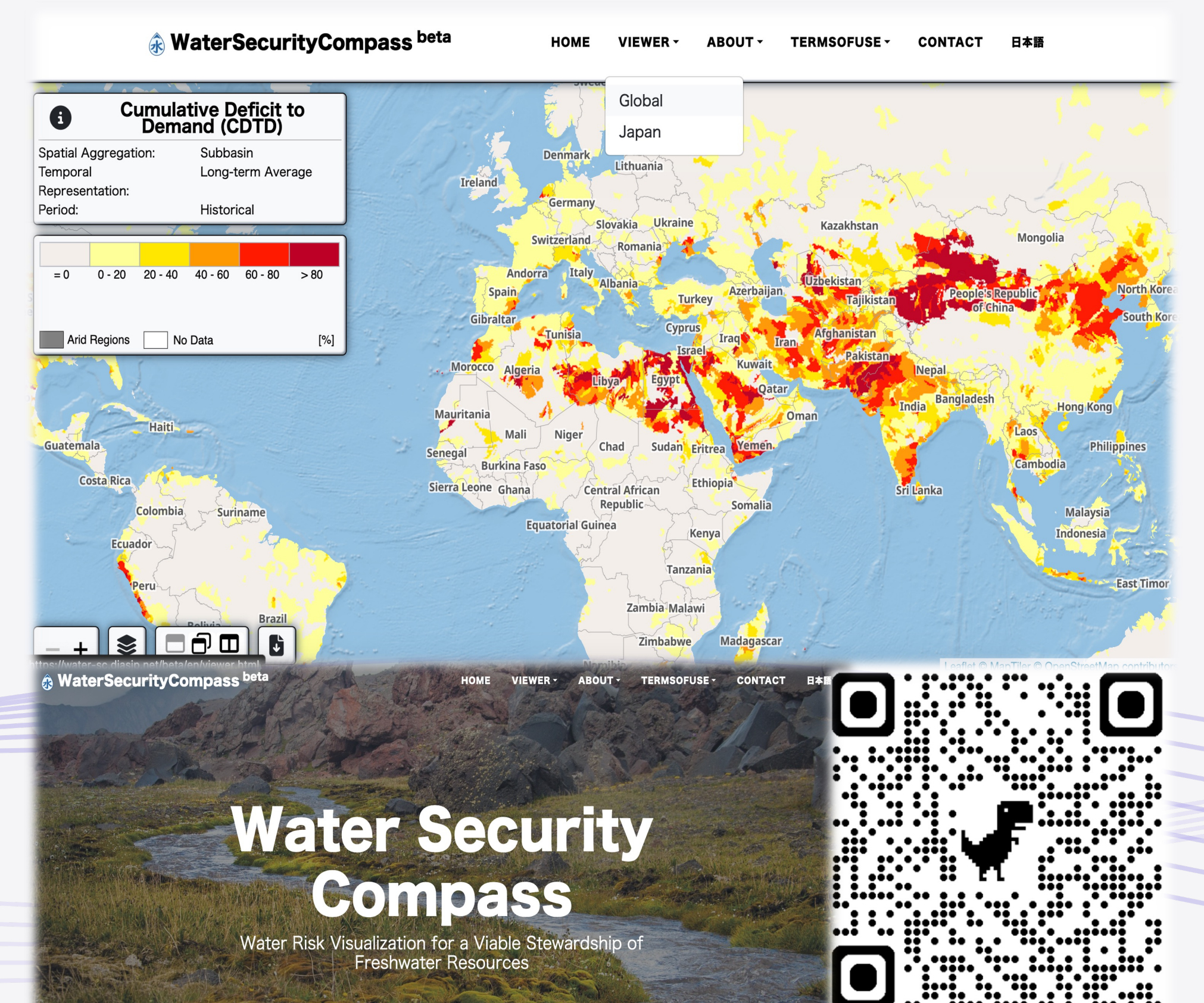
(He et al, 2025)

03 SEEING THE GLOBAL CHANGE

Groundwater depletion hotspots indicate potential water crisis in the future



(He et al, in prep)

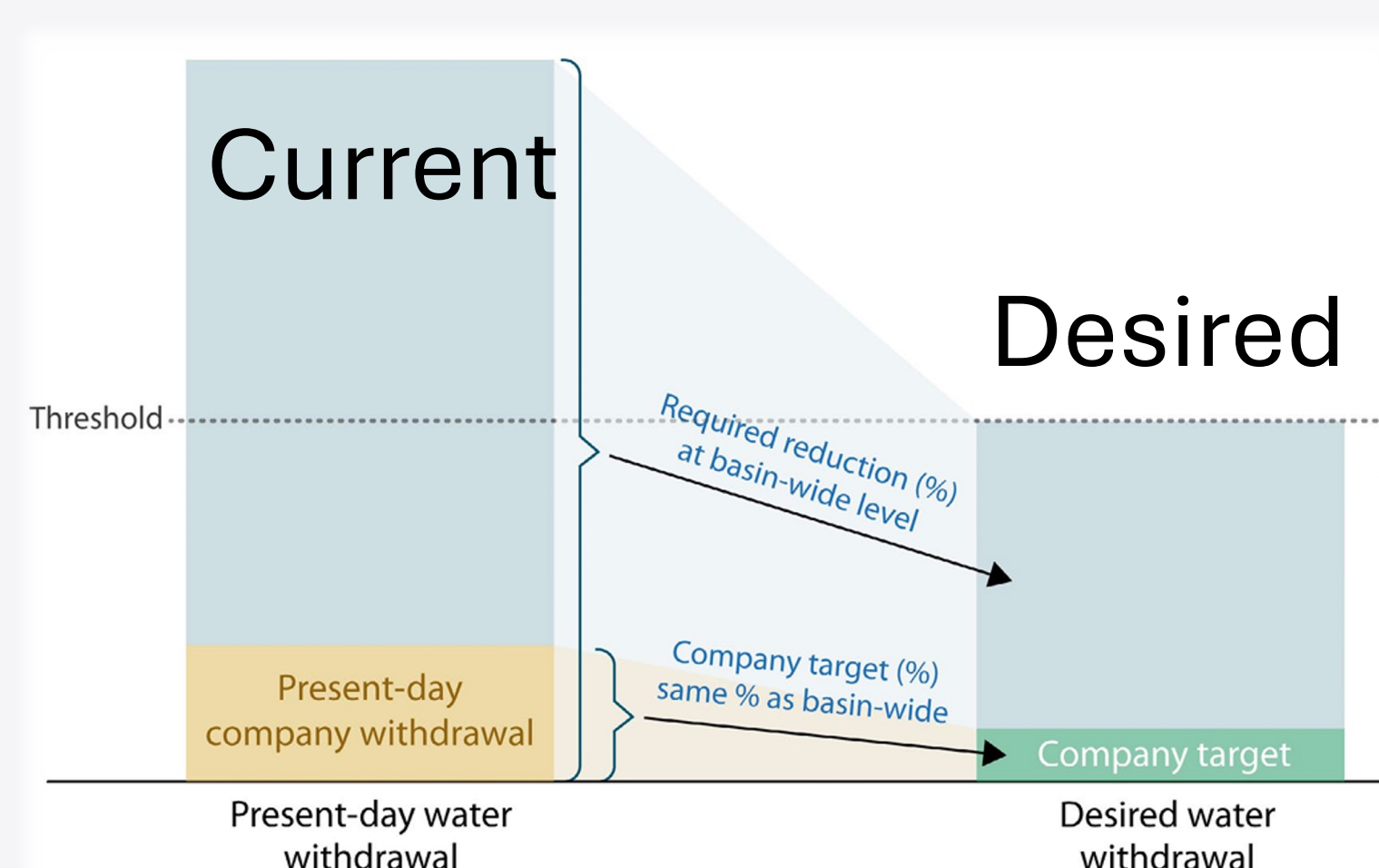


Collaborated with

SUNTORY **NIPPON KOEI**
 Sustained by Nature and Water

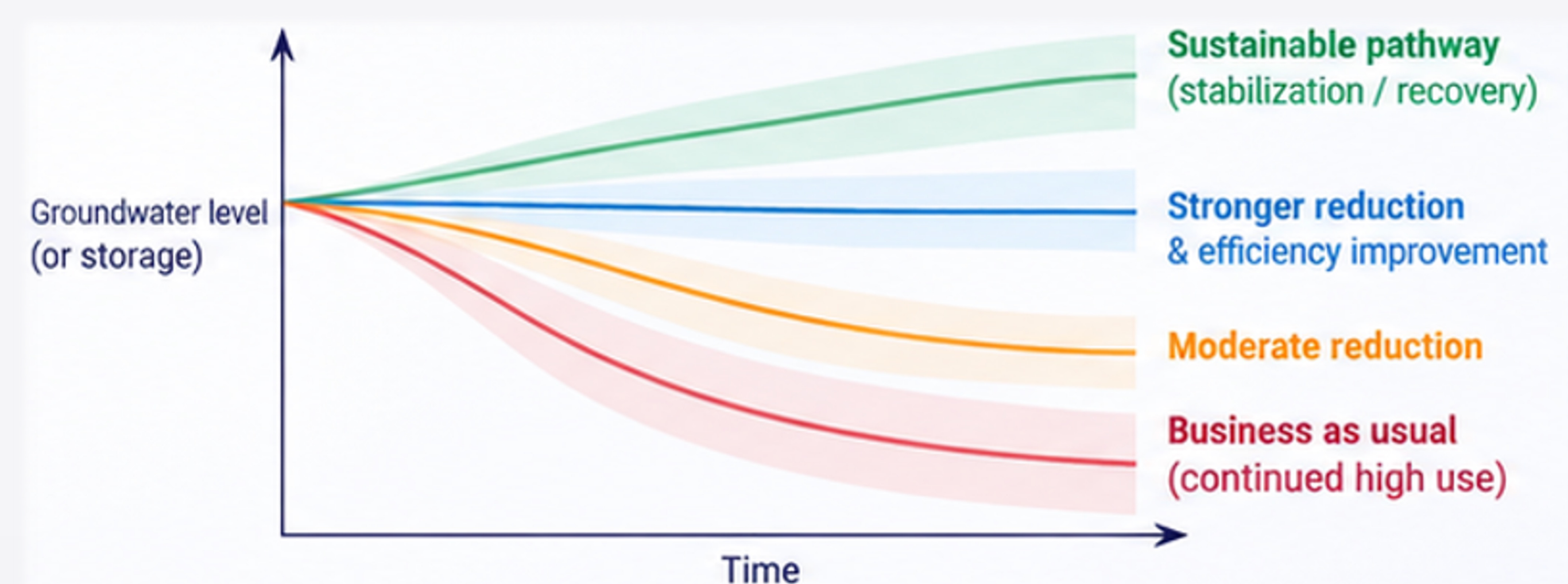
04 FROM UNDERSTANDING TO ACTIONS

How should we reduce current water use to secure a sustainable water future for next generations?



(SBTN, 2025)

Conceptual design



Organizers

