

Running to stand still?

Unlocking the potential of water sector investments to enhance human capital

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WORLD BANK GROUP

Water



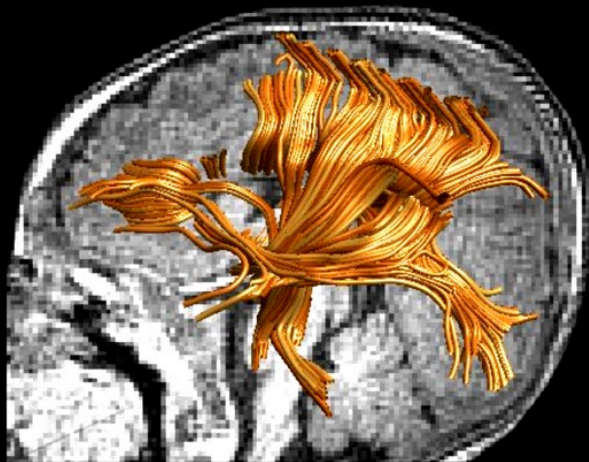
GWSP

GLOBAL WATER
SECURITY & SANITATION
PARTNERSHIP

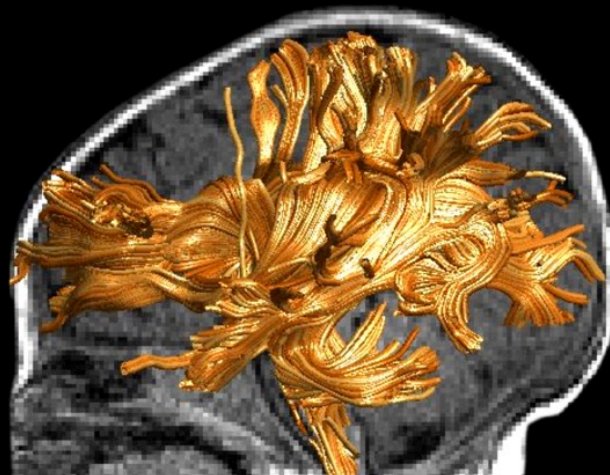
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THE FIRST 1,000 DAYS

LAY A LIFELONG FOUNDATION
FOR HUMAN CAPITAL



CHILD WITH STUNTED BRAIN
DEVELOPMENT

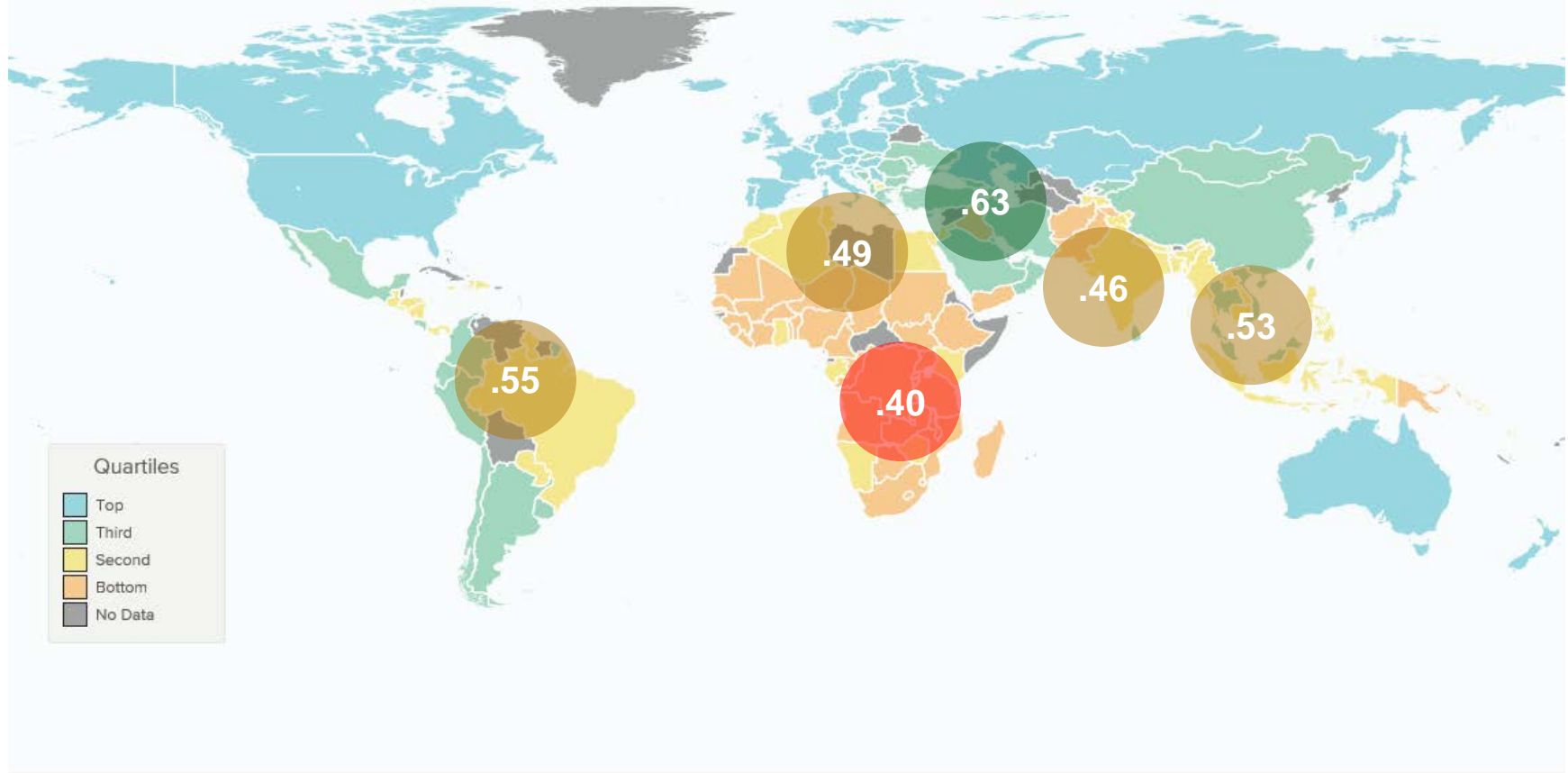


HEALTHY, CARED FOR CHILD

FOURTH INDUSTRIAL REVOLUTION

COMPETING IN THE
NEW ECONOMY

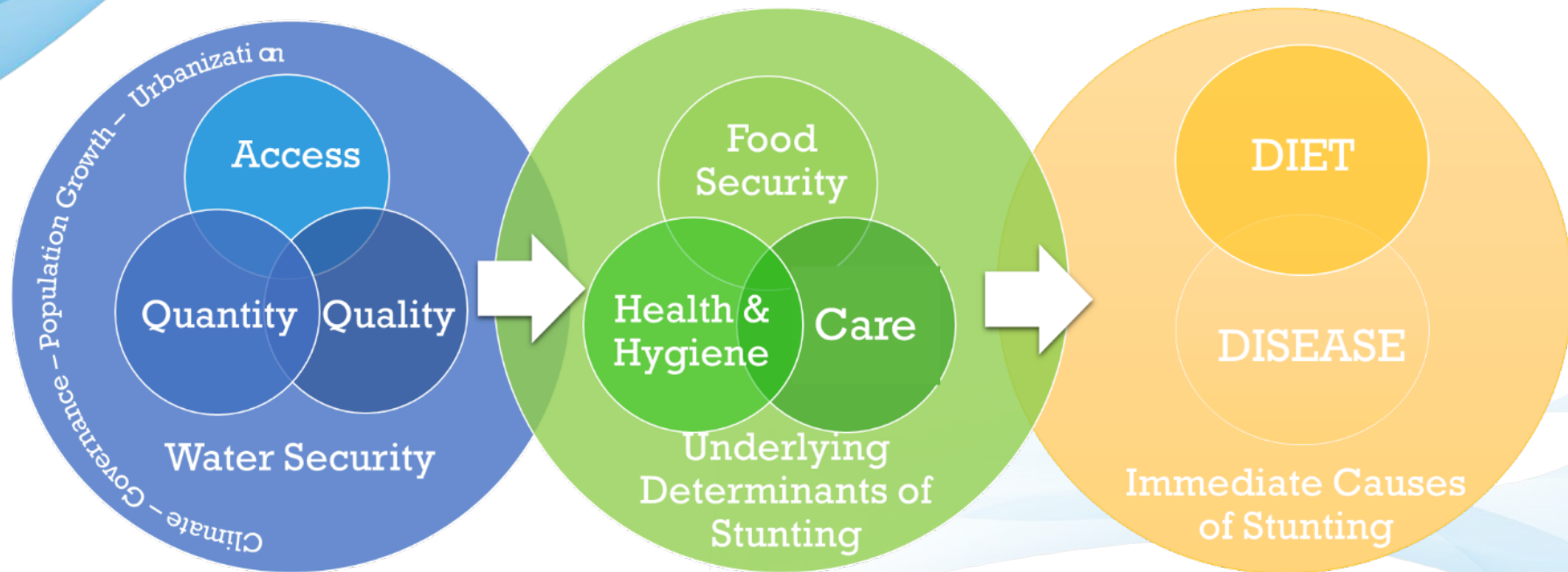




Human Capital Index, for Girls and Boys, Worldwide

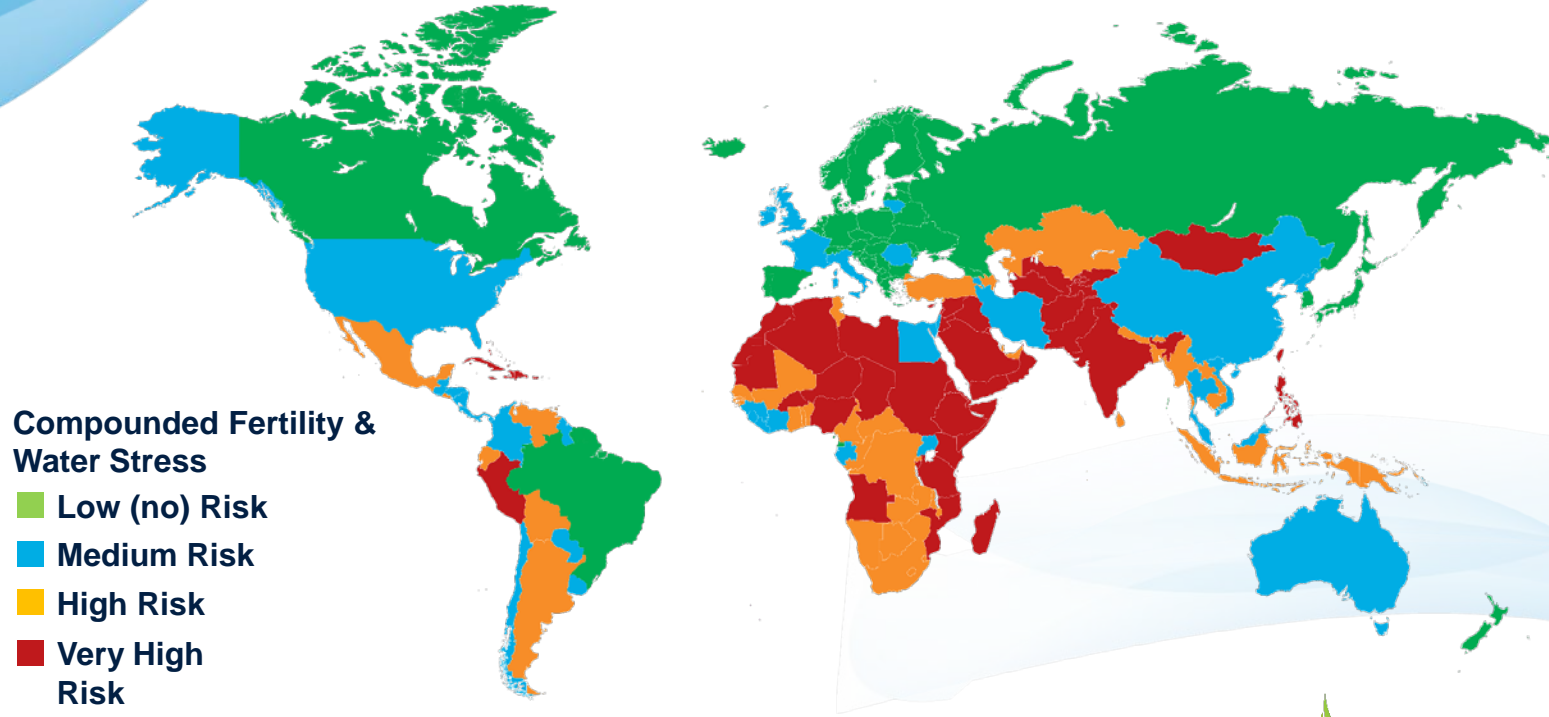


Water security is an underlying driver of healthy child growth



Unstoppable Force: A Thirsty Planet

Per capita Water Availability and Future Population Growth, 2050



Source: Damania R, et al. 2017. Uncharted Waters: The New Economics of Water Scarcity and Variability. World Bank, Washington, DC.

Irrigation affects nutrition outcomes along the same pathways as broader agricultural interventions but in specific ways



Production

- Broadens range of crops
- Enable more cropping seasons
- Stability of food supplies



Income

- High value crops
- Increases purchase power for nutrition, healthcare, and education



Water Supply

- Water for hygiene and other domestic uses
- Water quality – both positive and negative



Women's Empowerment

- Access to inputs
- Decision making authority
- Cross-cutting

1

Incorporate nutritional considerations at concept stage

2

Equip cooperatives, extension, and WUAs on nutrition and dietary considerations

3

Leverage community platforms to deliver nutrition messaging

4

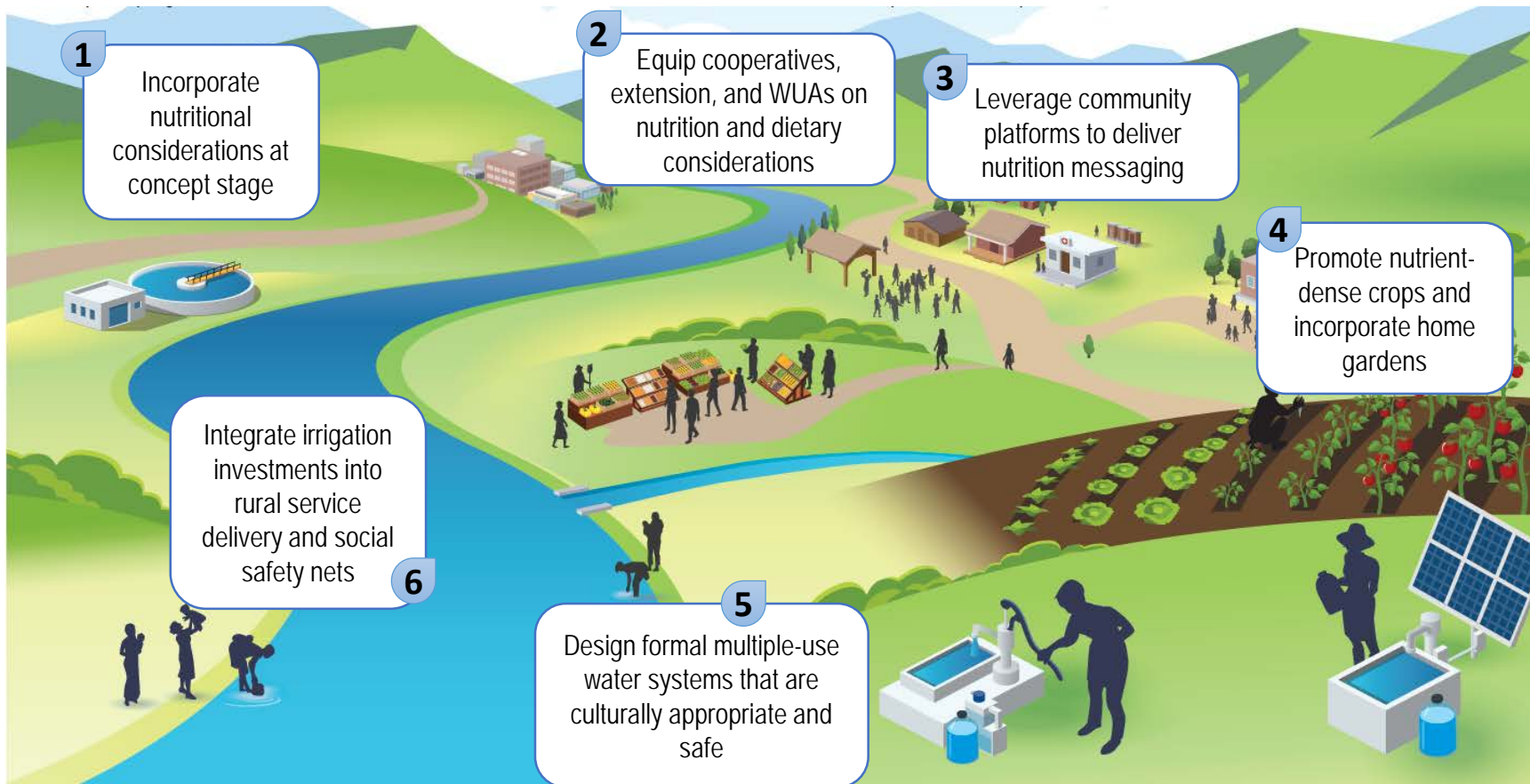
Promote nutrient-dense crops and incorporate home gardens

6

Integrate irrigation investments into rural service delivery and social safety nets

5

Design formal multiple-use water systems that are culturally appropriate and safe



Uganda Irrigation Development and Climate Resilience Project

- Stunting prevalence of 29%
- 41% face chronic food shortages
- By 2025, number of food-insecure people 30 million
- Less than 1% irrigation potential
- Large-scale irrigation with farmer-led sub-component:
 - Stabilize and increase yields
 - Extend production to dry season
 - Increase diversification
 - Adoption of productive inputs
 - Integrated value chain development



Somalia Water for Agro-Pastoral Productivity and Resilience Project

- Stunting prevalence between 12 – 38%
- Only 20% rural households have basic water services
- Debilitating drought and floods
- Multiple-use water resources in dry lands
 - Human consumption
 - Livestock watering
 - Small scale irrigation
 - Environmental services
- Create and strengthen productive livelihoods



Partnerships to scale up investments in nutrition-sensitive irrigation and water management



Thank you



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