Running to stand still?

Unlocking the potential of water sector investments to enhance human capital

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THE FIRST 1,000 DAYS LAY A LIFELONG FOUNDATION FOR HUMAN CAPITAL

CHILD WITH STUNTED BRAIN DEVELOPMENT

HEALTHY, CARELED FOR CHILD
FOURTH INDUSTRIAL REVOLUTION

COMPETING IN THE NEW ECONOMY
Water security is an underlying driver of healthy child growth
Unstoppable Force: A Thirsty Planet

Per capita Water Availability and Future Population Growth, 2050

Compounded Fertility & Water Stress
- Low (no) Risk
- Medium Risk
- High Risk
- Very High Risk

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
Integrate irrigation investments into rural service delivery and social safety nets.

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

Leverage community platforms to deliver nutrition messaging.

Promote nutrient-dense crops and incorporate home gardens.

Incorporate nutritional considerations at concept stage.

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