

# Maximizing Synergy among Goals and Targets through SDGs Interlinkage Analysis



**Kazuhiko TAKEUCHI**

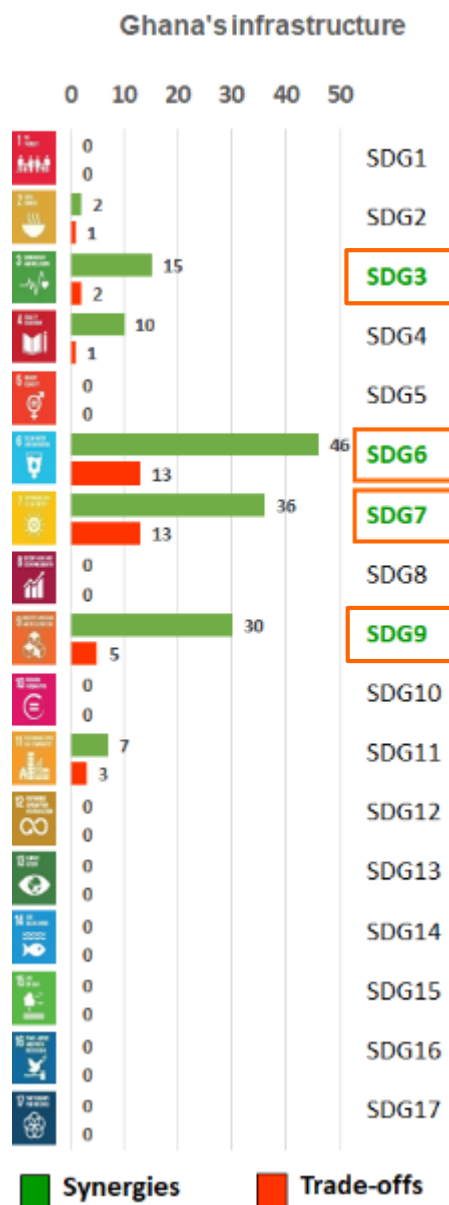
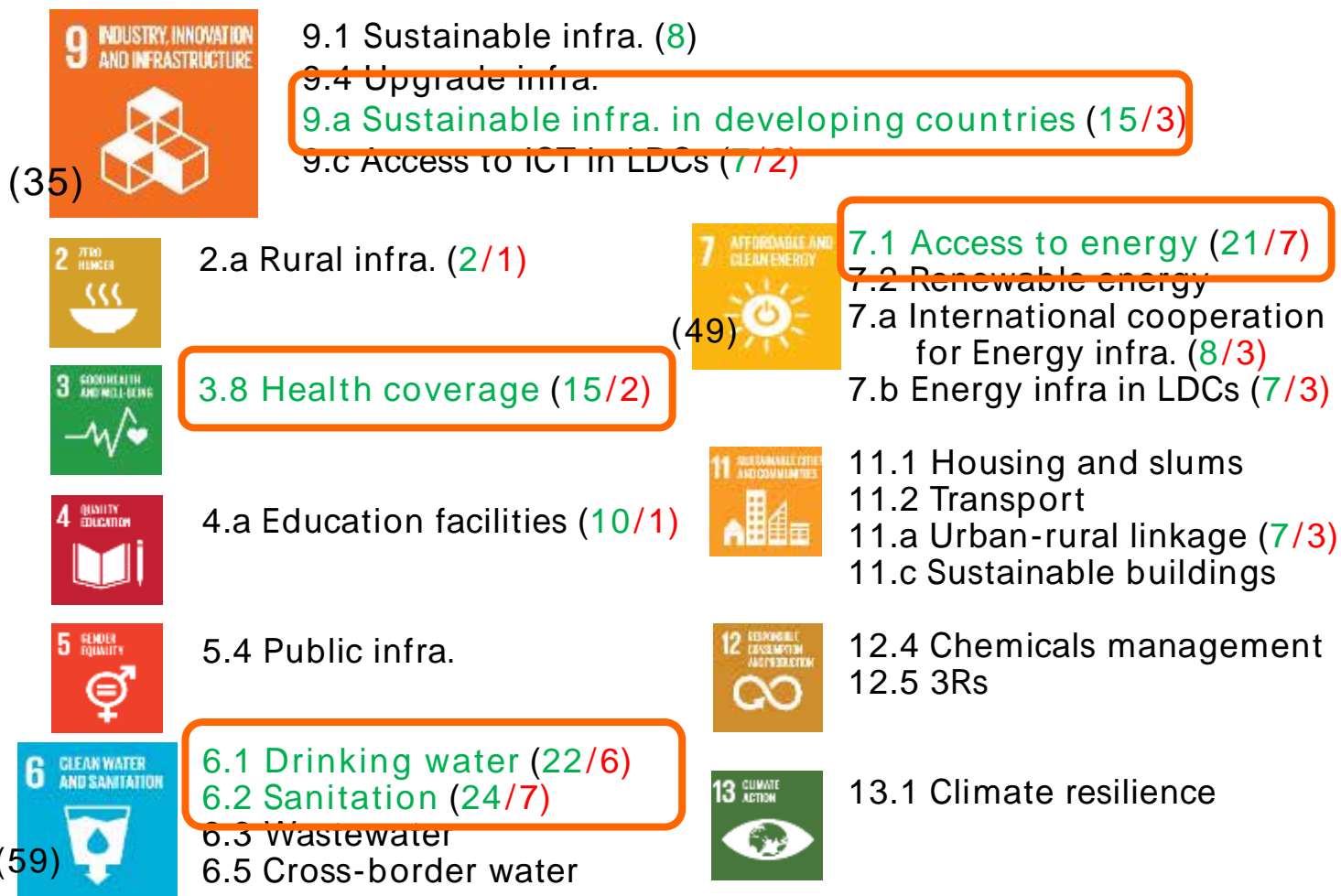
President, Institute for Global Environmental Strategies (IGES)  
Chair, Central Environment Council, Government of Japan  
Vice-President, Science Council of Japan

*The Digital Revolution and Sustainable Development: Opportunities and Challenges*  
At the High Level Political Forum under the auspices of ECOSOC: 12 July, 2019



# Ghana: Infrastructure Development and SDG Interlinkages

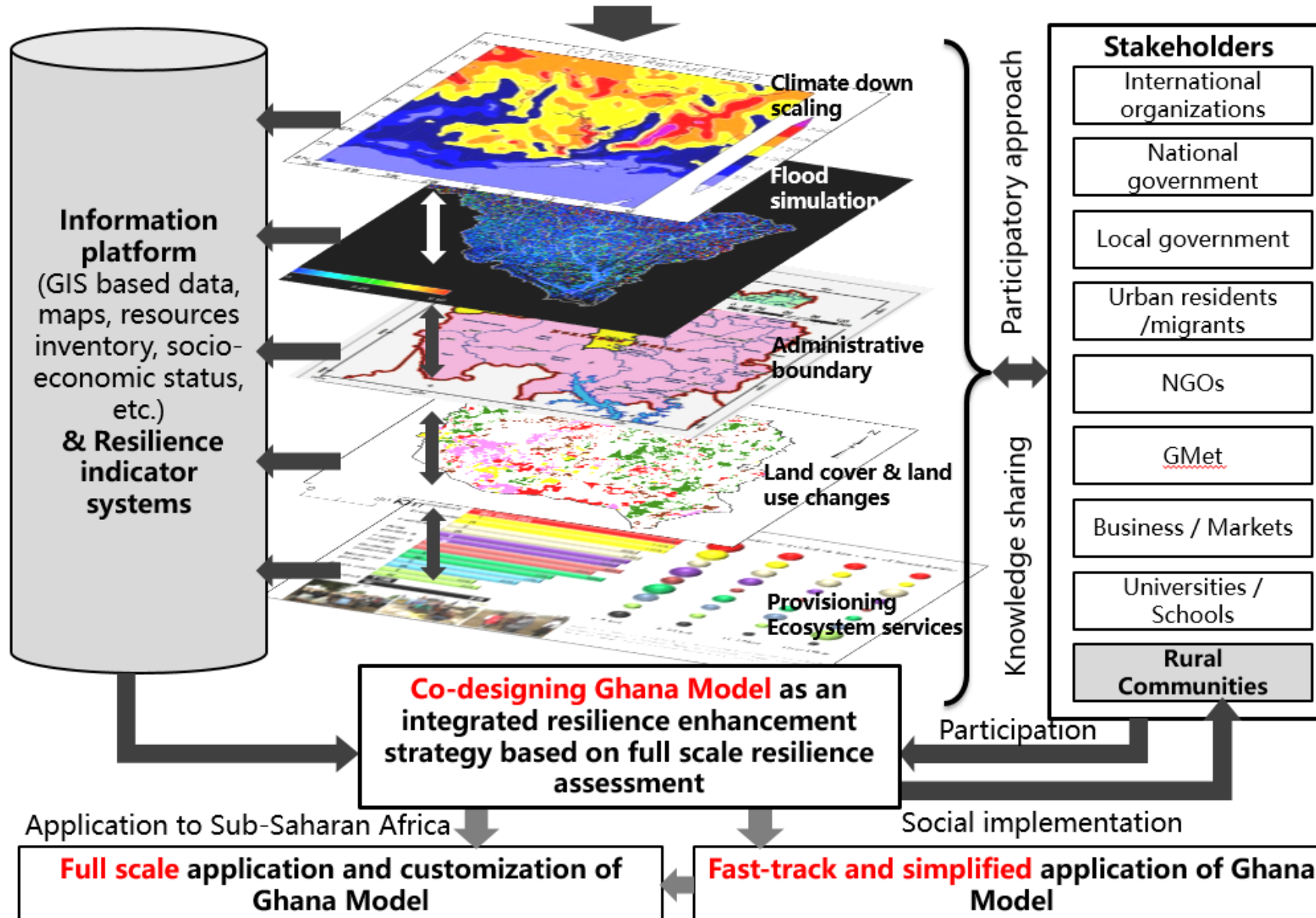
Infrastructure relates to Goal 9 (4 targets) and another 19 targets under 9 Goals linking with more than 130 targets.



Source: Based on Zhou, 2018. Keynote at the GSDR 2019 Regional Consultation Workshop, Dhaka.

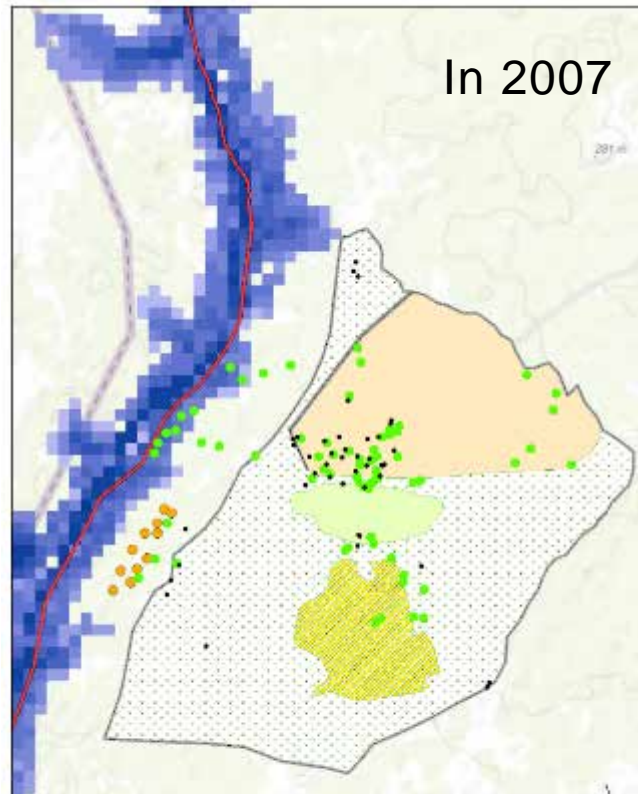


# Major Drivers in Sub-Saharan Africa: Climate, Ecosystem, and Socio-Economic Changes



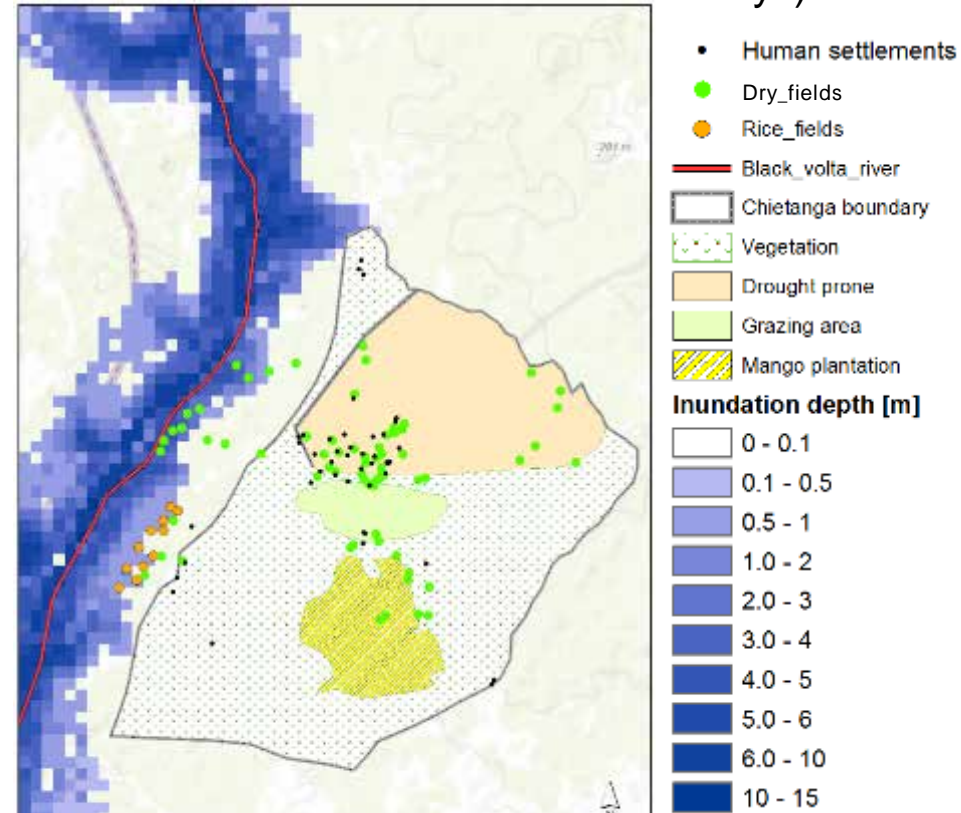
# Major Drivers in Sub-Saharan Africa: Climate, Ecosystem, and Socio-Economic Changes

Estimated Inundation Area under Current  
Climate Simulation ( After 8 days)



Inundation area (water depth more than 0.1m) expands by **1.89** from 45.6km<sup>2</sup> under the current climate to 86.1km<sup>2</sup> under Pseudo Global Warming experiment

Estimated Inundation Area under **Pseudo  
Global Warming** Experiment ( After 8 days)



— Possible Countermeasures —

- Change to **flood tolerant crops**: sorghum (*Sorghum bicolor*) mix-cropped with rice (*Oryza* spp.)
- Design temporal **flood protection levee** by sandbag
- Slight **shift of houses** to the higher field

# Top 5 Solutions for Urban-Rural Linkages in Ghana

based on stakeholders ranking questionnaire survey (n=20)

- u Gender inclusiveness
- u Investment in basic and economic infrastructure
- u Promotion of modernized and sustainable agriculture systems
- u Promotion of effective decentralized system
- u Innovative financial inclusion systems (including crop insurance, innovative sustainable credits, etc)



Accra Workshop, Ghana (15-16<sup>th</sup>, August 2018)



## Gender inclusiveness

E.g. Training rural women, such as those involved in groundnut and **shea butter processing, soap making, and smock weaving**, on value addition and **marketing of their produce**, will improve income generation.