

EO and AI for Health and Urban Resilience Workshop

10 March 2020

Strengthening national capacities for utilizing Space science and technologies to advance national health-related SDGs

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- Integration of space science and technology to health systems strengthening efforts shall be more widely practiced by countries in the context One Health, SDG 2030 and UHC.
- At national-level, closer collaboration between Health authorities and other sectors along with space agencies is essential to leverage the benefits of space science, technology for health gains.

HEALTH IN THE SDG ERA



WWW.WHO.INT/SDGS



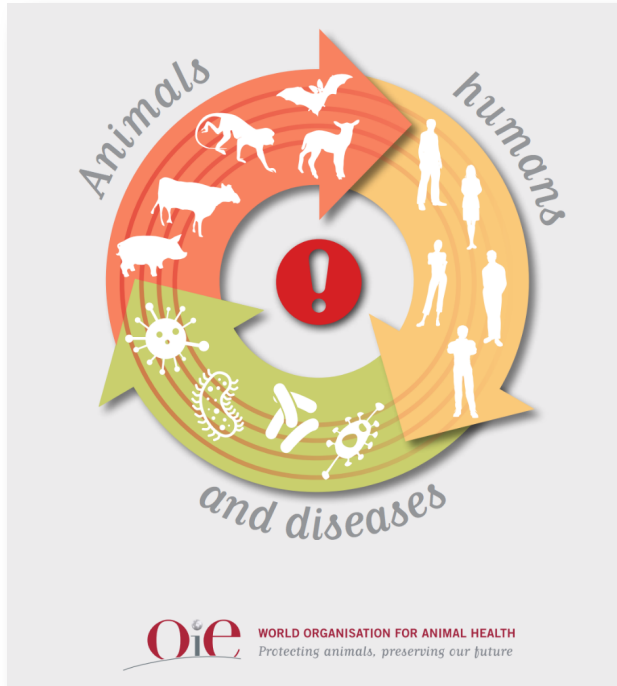
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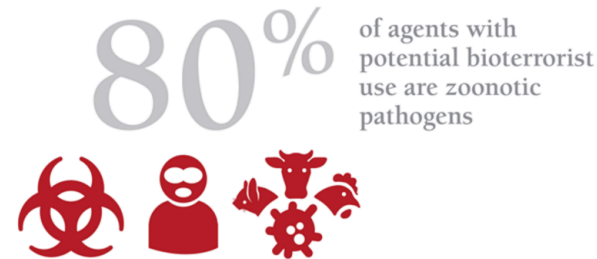
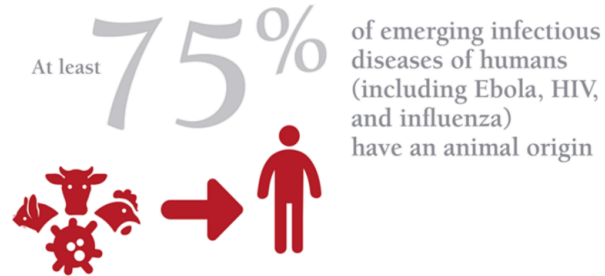
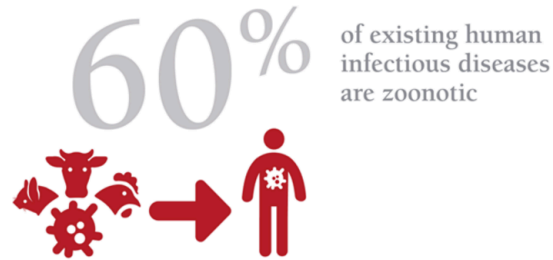


One Health

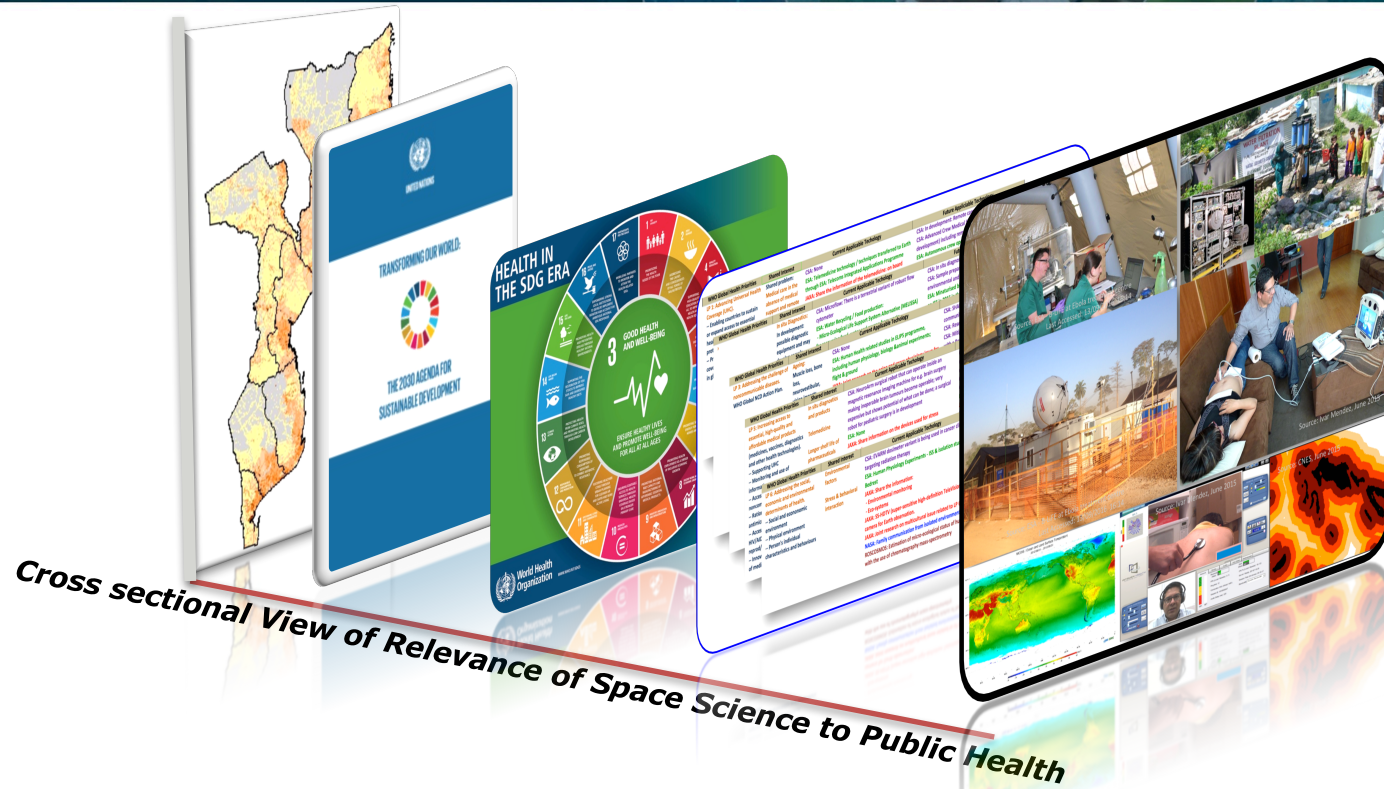
*the interconnectedness of human health,
animal health and the ecosystem*



Source: OIE, 2016; <http://www.oie.int/for-the-media/onehealth/>



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Area 1: Space science and technology and epidemic intelligence

Area 2: Space science and technology and health emergencies

Area 3: Shaping the research agenda on the benefits of space science and technology to public health

Strengthening national capacities for utilizing Space science and technologies to advance national health-related SDGs

Conceptual Framework

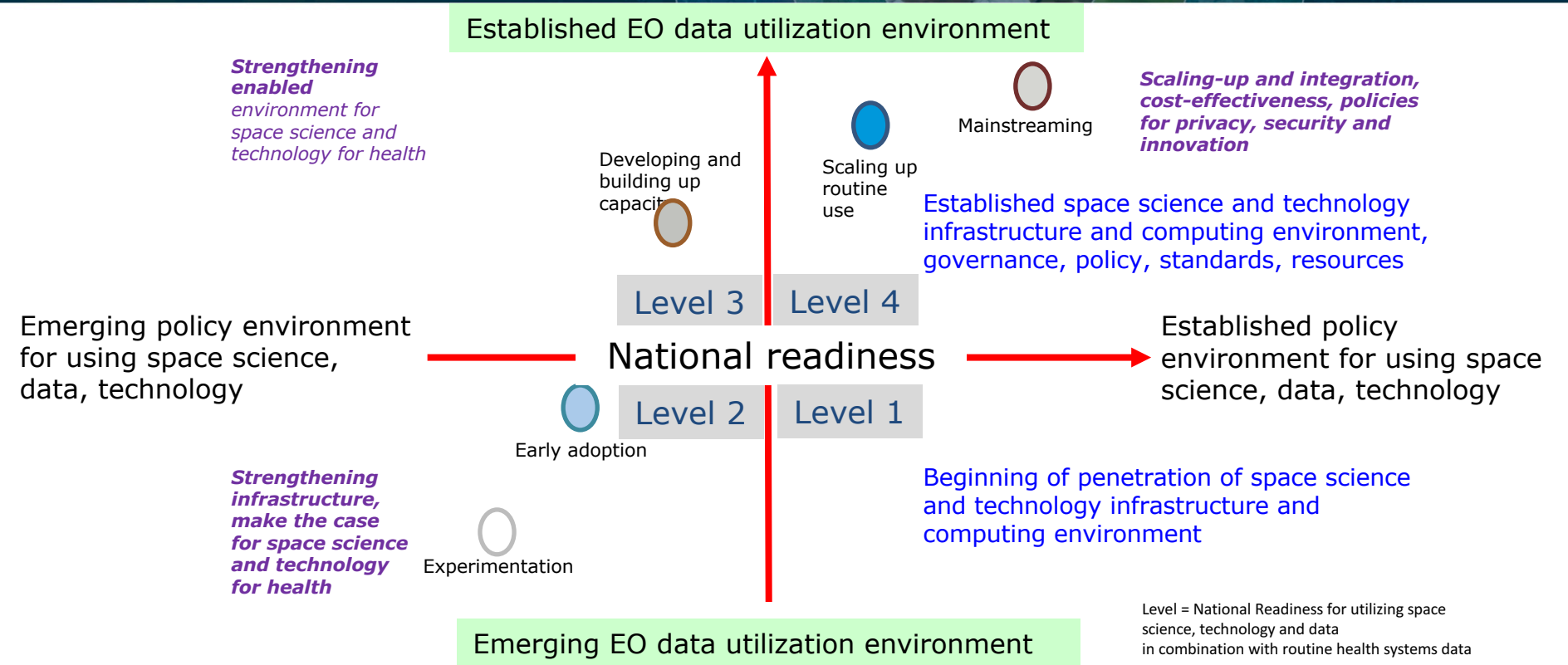
Components of the Framework



1. **National readiness** for using earth observation data in conjunction with routine health systems data
2. **Multi-sectoral engagement** for establishing earth observation data utilization environment in the national context
3. **Alignment** of stakeholders, strategies, and efforts

Conceptual Framework for Country Capacity Development

for utilizing Space Science and Technology for advancing health-related SDGs



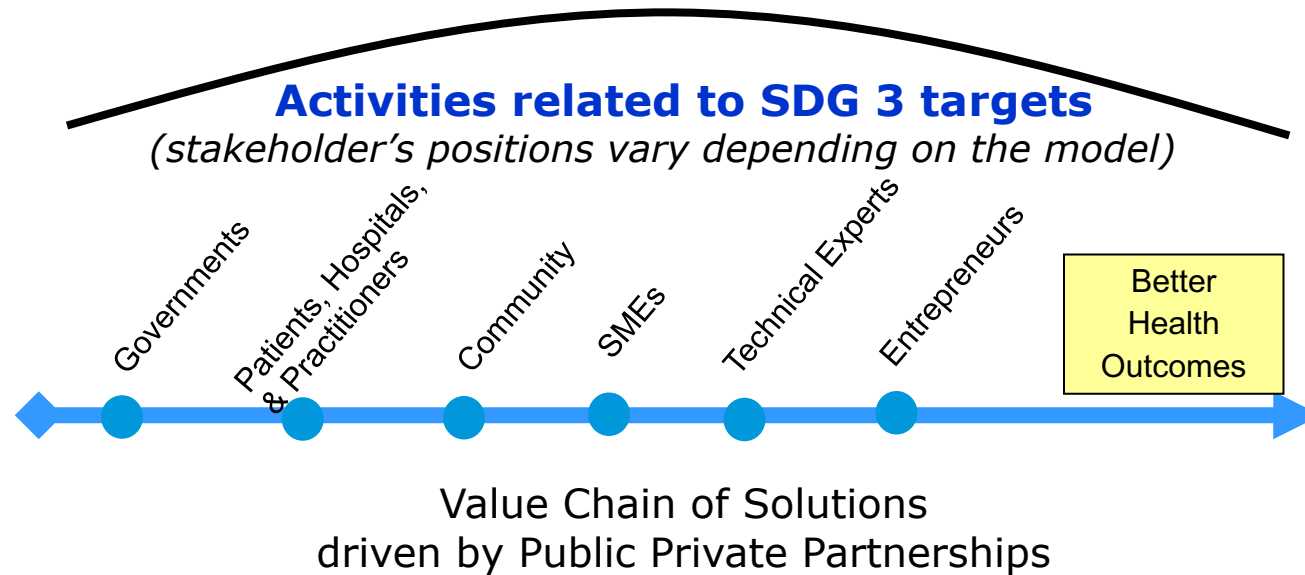
Multi-sectoral engagement

Examples of Partners within Health Landscape

Ministry of Health
Ministry of Finance
Ministry of Education
Ministry of Labour
Ministry of Telecommunications
Ministry of Infrastructure
Ministry of Science and Technology
Academia and Private Health Sector
Donors and Implementing Partners

Coordination
is essential
to owning and
sustaining
data analytics
capacities
at National and
Sub-national Levels

Align Stakeholders



Health Information Activities

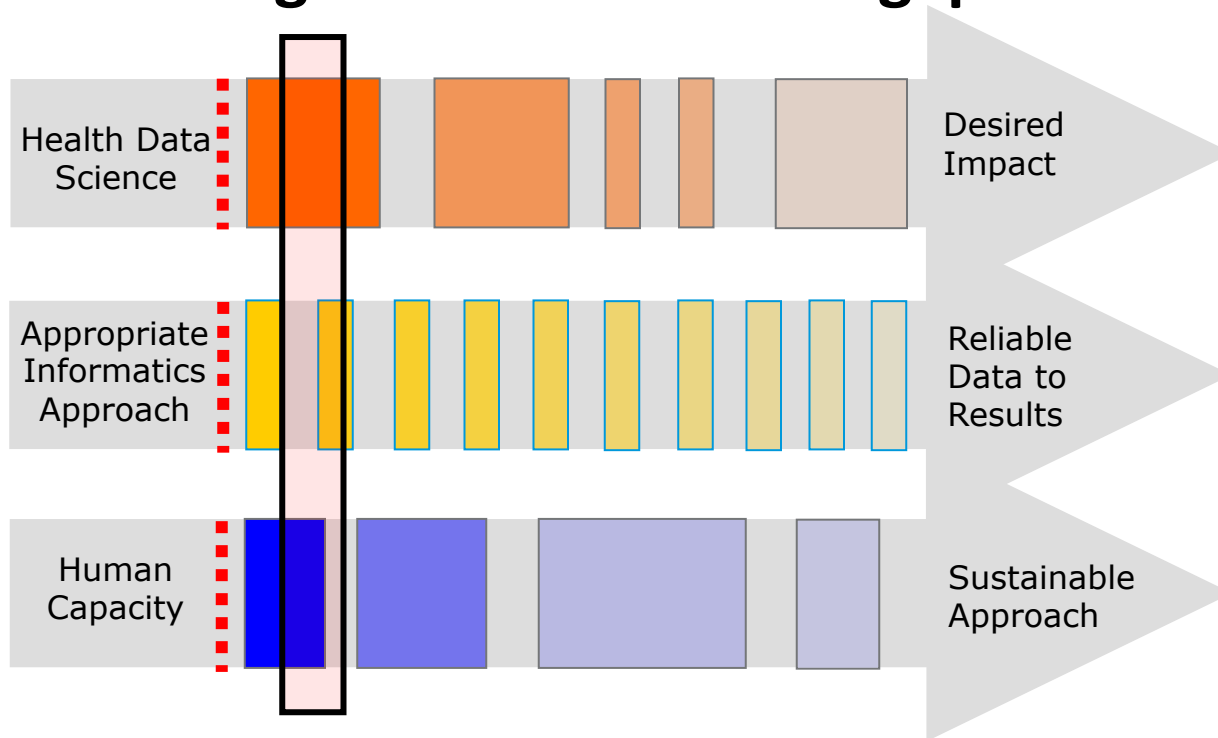
Health Information Activities
(stakeholder's positions vary depending on the model)

HIS Strategy mHealth Strategy HMIS Strategy EOC strategy ICT for HIS Strategy HR Capacity Strategy

Better Health Outcomes

Better
Health
Outcomes

Align efforts to reduce gaps



Key Messages



- Integration of space science and technology to health systems strengthening efforts shall be more widely practiced by countries in the context One Health, SDG 2030 and UHC.
- At national-level, closer collaboration between Health authorities and other sectors along with space agencies is essential to leverage the benefits of space science, technology for health gains.

Thank you