

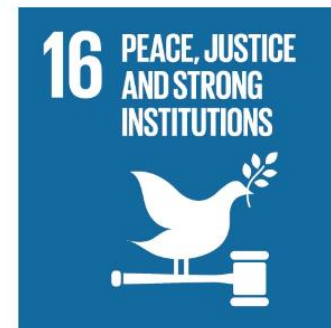
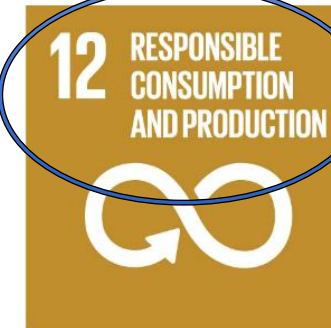
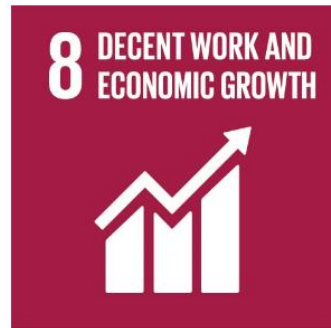
Environment & Sustainable Energy for Immunisation Supply Chains – and Health

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TechNet 2017

Environmental Sustainability in Immunization as a way to meet SDGs



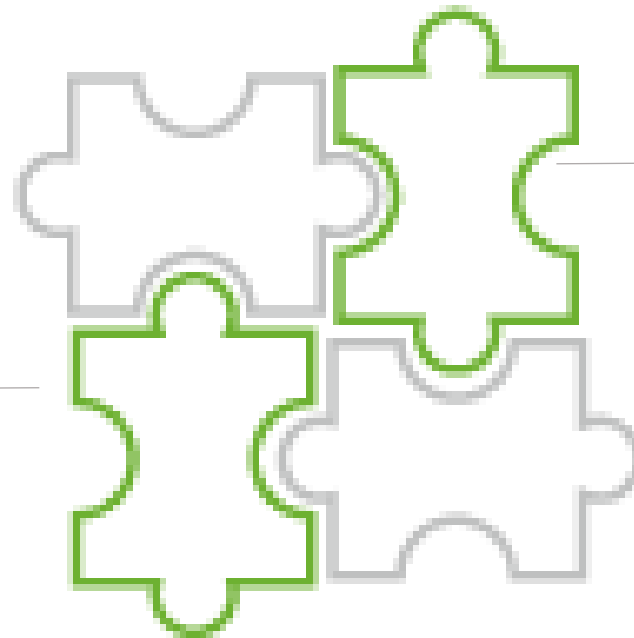
Climate Change Resilience

Public Health Sector is among the key priority areas to address climate change risks and impacts

CLIMATE CHANGE MITIGATION

through low-carbon tech R&D

- Environmentally-sustainable approaches and technologies for health centers, cold chain & transport
- Support the shift to low-carbon technologies in the immunization and health sectors to reduce GHG emissions
- Leverage investments in low carbon development



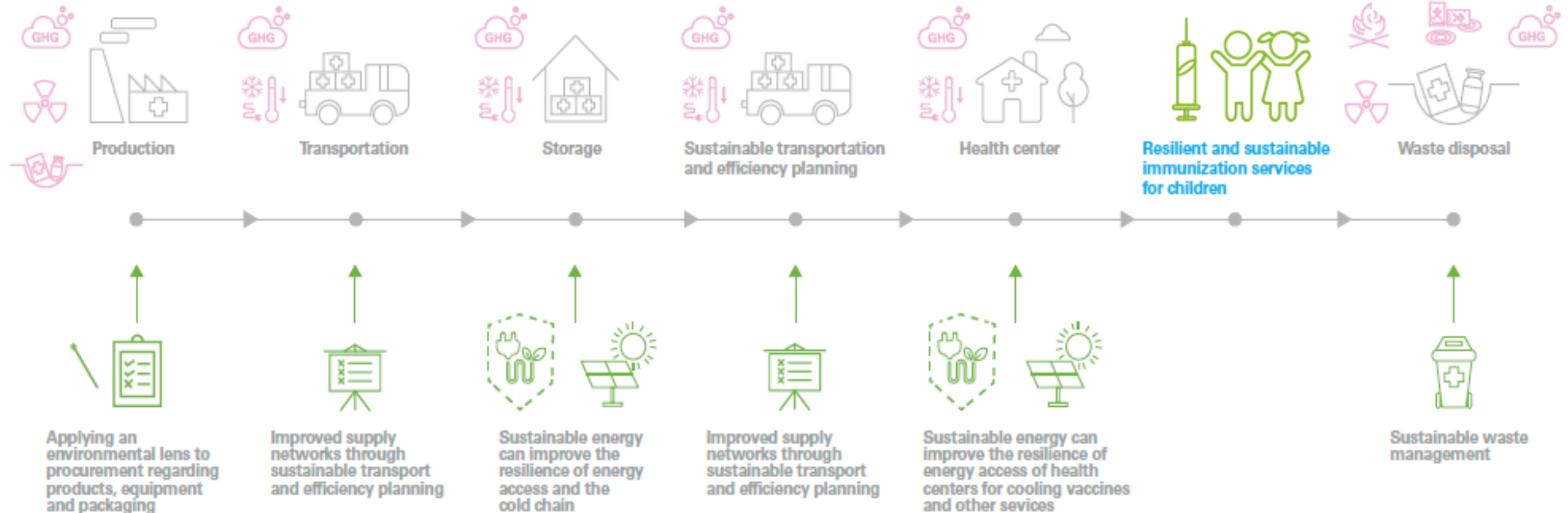
CLIMATE CHANGE ADAPTATION

through resilient development

- Robust energy access and cold chain
- Leverage climate finance
- Strengthen health services to cope with additional demands and stresses posed by climate change

Environment & Sustainability entry points in the life cycle of a vaccine

Integrating environmental sustainability management (ESM) in the vaccination programme





Environmentally - responsible Equipment & Packaging

- ***Whole-lifecycle product design***
- ***Sustainable procurement policies***





Waste Management

- ***Gain learning experience through technical cooperation***
- ***Mobile App for credit incentives to waste handlers***
- ***Segregation, collection, disposal of defective vaccine refrigerators, solar batteries nationally and infectious sharps waste in townships***





Environmentally-responsible Network Design

- ***Consider environmental efficiencies of supply chains***





Reliable, sustainable Energy for Health - incl. Immunization

- ***EPI energy picture in transition – pooled rural development initiative (through 2021)***
- ***Combination of grants & government resources (loans)***
- ***From hybrid vaccine storage systems –to prefab solar powered clinics - to cross sectorial programme planning (Health, WASH, Education, Social Policy)***



Partnerships for Environment & Sustainability in Immunisation & Health

Financing



- Pooled financing initiatives in country (incl. GAVI HSS)
- Financing of carbon-neutral supply

Community



- Fee-for-service community-owned and managed solar micro grids
- Sustainable maintenance arrangements

Private Sector



- Public-private models for design and implementation
- Engagement of cellphone service providers

In conclusion

Focusing on environmental sustainability has the potential to improve the effectiveness and efficiency of the immunization programme.

Sustainable approaches to immunization can pave the way for delivery on cross-cutting SDG issues.

Pooled financing helps strengthen communities and improve health care in a holistic manner

