

# New innovation approaches to support the implementation of the SDGs

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Geneva, 10 May 2017

# **New technologies are needed to achieve the SDG and climate change goals**

- Delivering on the SDGs and Paris Agreement requires results at scale in a very short time
- What are the new technologies & solutions needed to achieve the SDGs and deliver on the Paris Agreement?

# Some big issues

- Major gap between latest technology and implementation
- Lack of awareness of what technology is already available
- No real understanding on how to get solutions to scale quickly

# Waste water treatment (SDG 6, ...)

- The Andicos<sup>®</sup> (ANDICOS: ANaerobic DIgestion by Combining Organic waste and Sewage) process takes a radically different approach to wastewater treatment and organic waste management.
- In the Andicos<sup>®</sup> process, domestic waste water is combined with organic domestic waste either at source (households) or at the treatment facility for a combined treatment process.
- Focus is on simultaneously ensuring environmental protection and resource recovery from waste.
- The Andicos<sup>®</sup> process generates power whilst traditional processes consume power to achieve the same and can produce nutrients and water.

# Upscaling the Andicos system

- Appropriate legislative environment
- Social acceptability
- Working across different ministries
  
- At the end, the environment, the people and society will benefit

# Energy Positive Communities (SDG 7, ...)

- Energy positive communities operate on a local sustainable energy system that generates and delivers renewable energy to cover the living and comfort needs within local communities
- Positive impact
  - on quality of living through enhanced energy services
  - on global climate targets through reliance on renewable energy sources
  - positive and active role of the local community
  - positive interaction with central energy and grid infrastructures
- **Micro- and mini-grids** are a promising system solution for energy positive communities

# Upscaling energy positive communities

- To achieve scalability the focus is not on technology components but on value chains and system solutions
- synergies with other societal aspects and sectors
  - the link between energy, communication (IT), health and water services
  - the interaction with national policies on electricity grid development
  - the attractiveness of local communities for youth, etc.

# Agro-ecology (SDG 2, ...)

- Currently the industrial, corporate controlled, food and agriculture system, dominate the debate.
- To achieve the SDGs, a shift to diversified agro-ecological production systems will be needed. Agro-ecological systems that increase biodiversity, nurture soil health, and integrates the traditional knowledge of farmers.

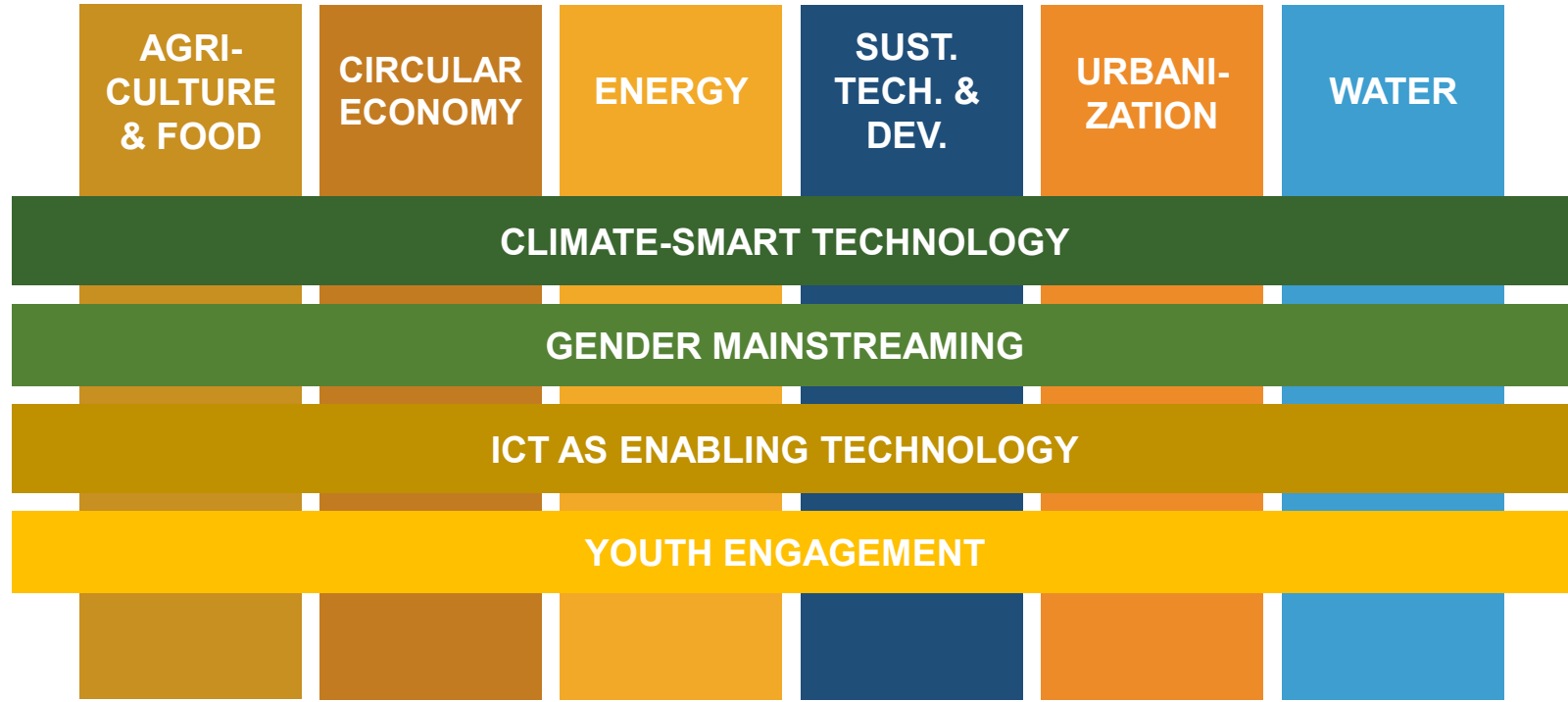




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# Thematic clusters G-STIC 2017

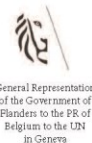


# Come and join us Thursday, 11 May

- Side event
- Room XXVI
- 13:00-15:00  
light lunch will be served

## INVITATION TO A SPECIAL PRESENTATION TECHNOLOGICAL SOLUTIONS FOR THE SDGS

PALAIS DES NATIONS, GENEVA  
ROOM XXVI  
11 MAY 2017, 13:00 PM TO 15:00 PM



## G-STIC

On the occasion of the twentieth session of the United Nations Commission on Science and Technology for Development, the UNCTAD secretariat and the Permanent Representation of