



G·STIC
2017

GLOBAL
SCIENCE
TECHNOLOGY &
INNOVATION
CONFERENCES

Setting the scene for Integrated Technological Solutions for the SDGs

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Director Programme

*EGM on Innovation & Technology for Achieving the 2030 Development Agenda
ESCWA Beirut 5-7 December 2017*

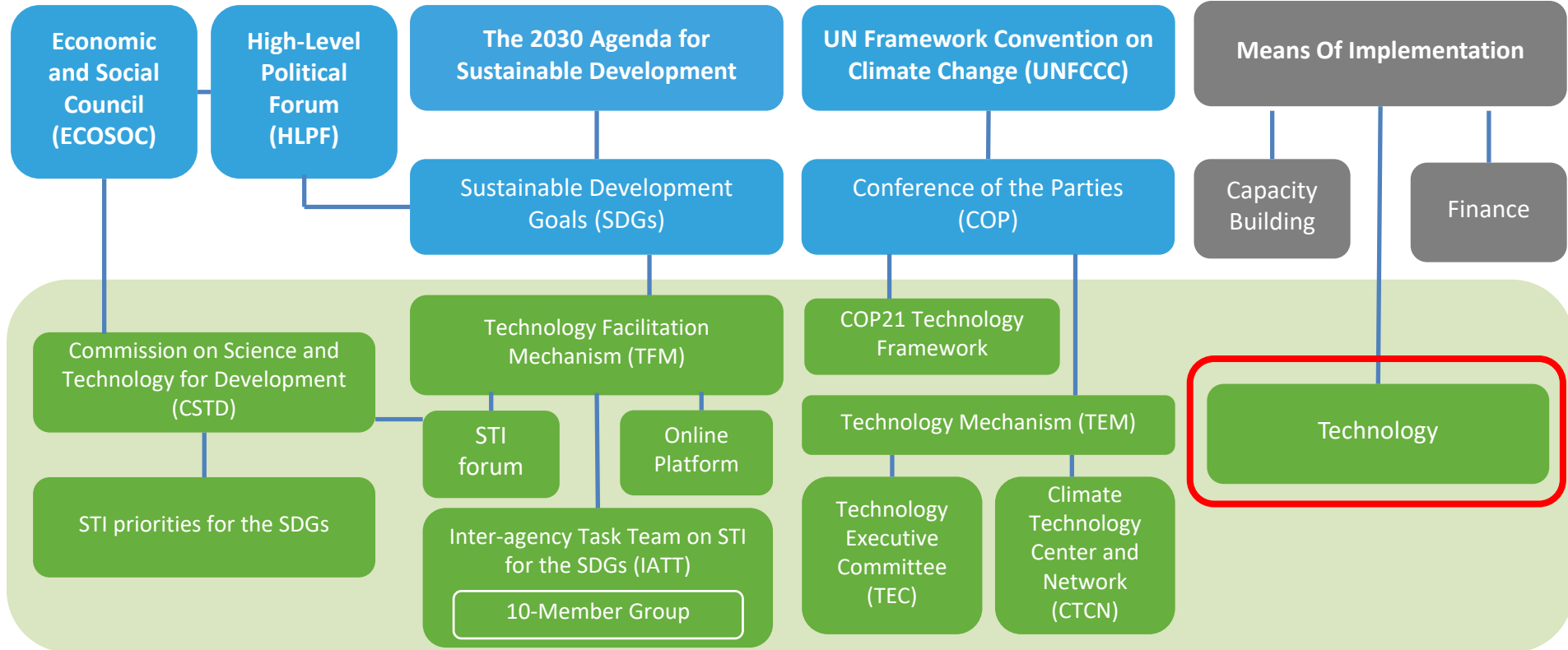
THE GLOBAL AGENDA

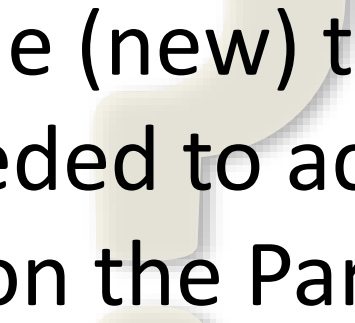
SUSTAINABLE DEVELOPMENT GOALS



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21•CMP11

SDG MECHANISMS – UN & TECHNOLOGY





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 how to get solutions to **scale** quickly

WHAT IS G-STIC?

- Conference series on **integrated technological solutions** for the SDGs
- **More than a conference**: building knowledge bases and global expert networks
- Engaging with government, business and civil society communities but **independent** from any specific interest group

G-STIC IS ABOUT DOABLE SOLUTIONS

Presenting, reviewing and discussing the best technological solutions that are:

- Technologically efficient in a particular context
- Socially acceptable and inclusive
- Financially affordable and economically profitable
- (Up and Re) scalable

SETTING THE SCENE FOR INTEGRATED TECHNOLOGICAL SOLUTIONS FOR THE SDGs

G-STIC aims at identifying and promoting market-ready, integrated technological solutions needed to achieve the SDGs – implementable solutions that are scalable and sustainable both from a societal and economic perspective.

The **first edition** of G-STIC initiated the **process of creating practitioner communities** around these integrated technological solutions and putting these solutions into practice in ways that contribute significantly to achieving the SDGs.

Buildings – energy – CO₂

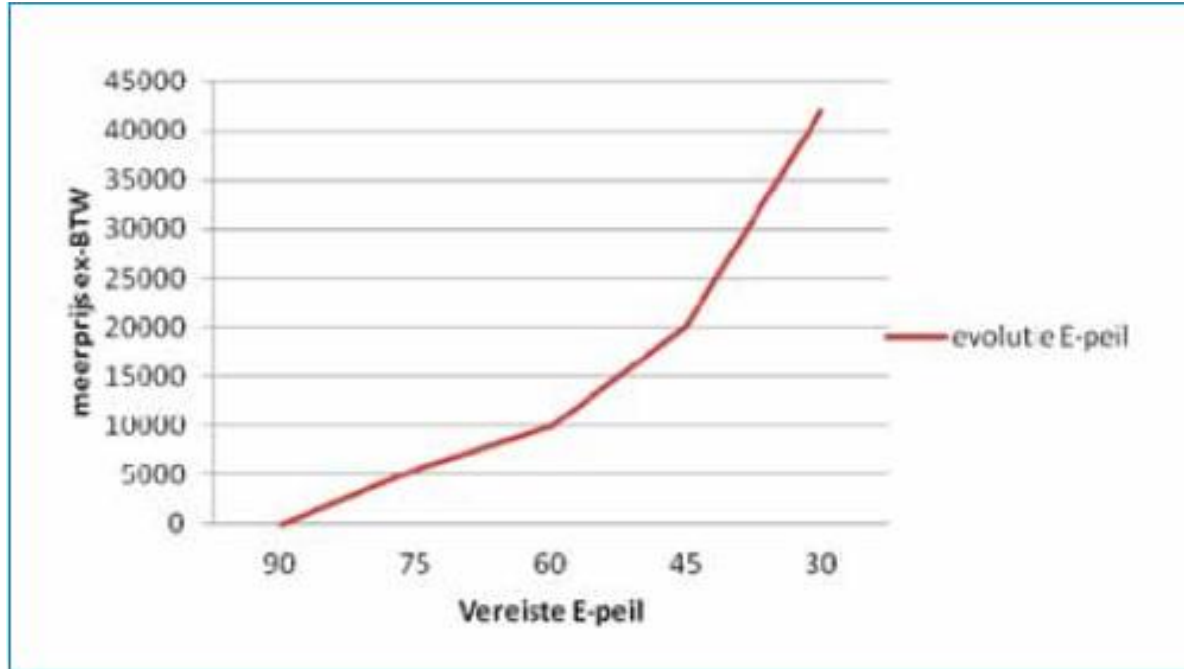
Legislation (energy performance of buildings)



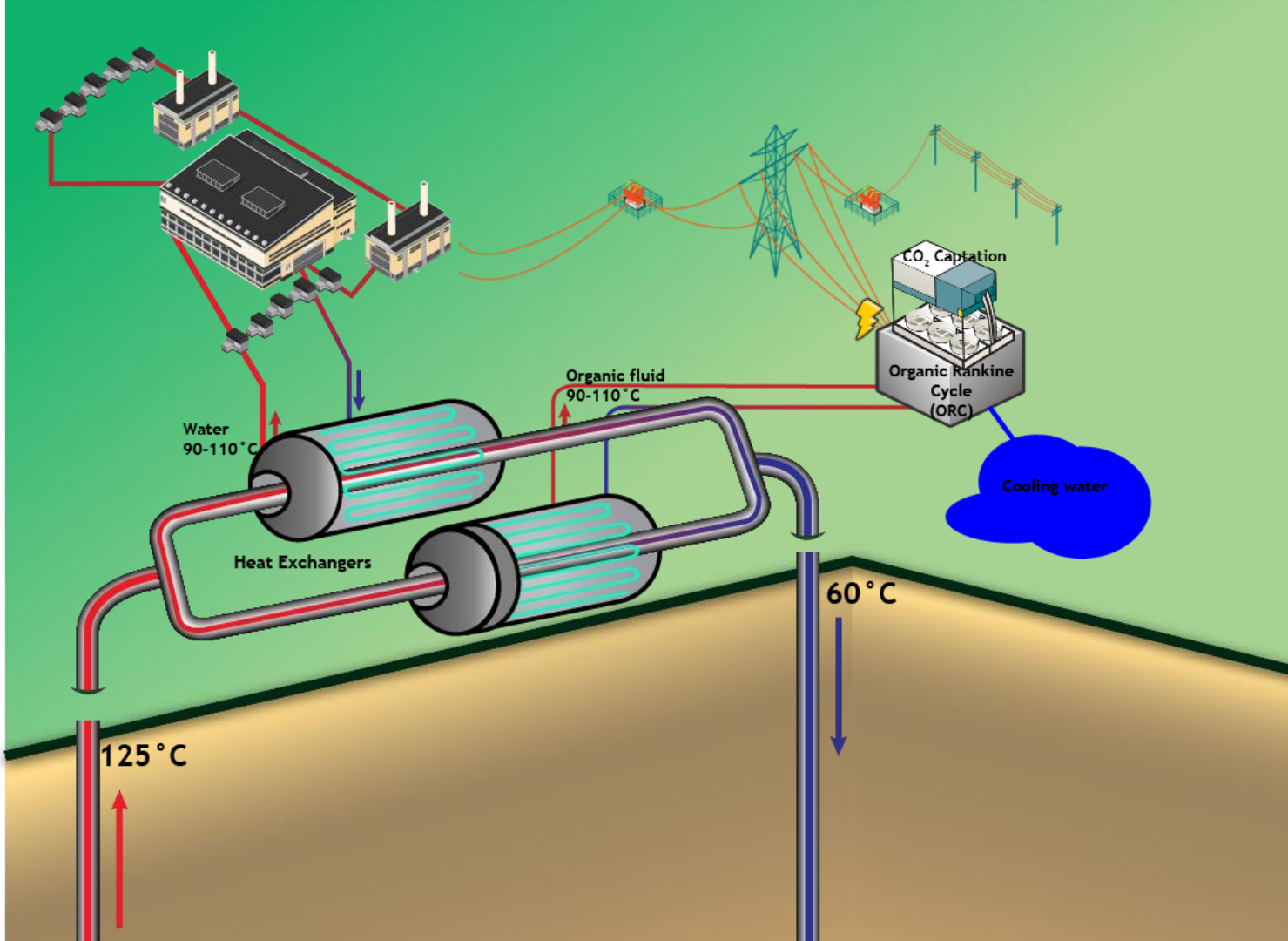
Increase average price

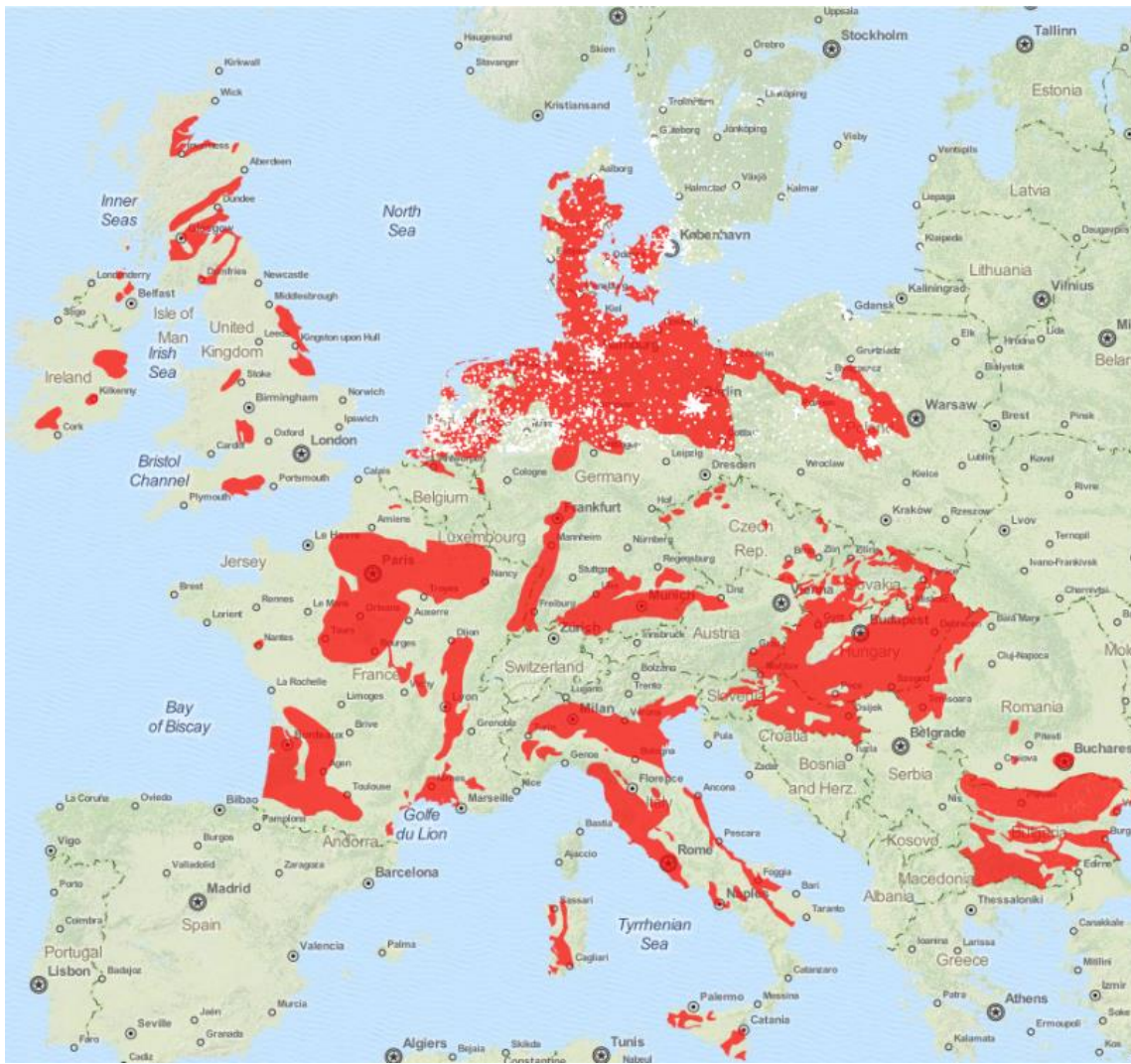


Decrease access to affordable housing



Deep geothermal

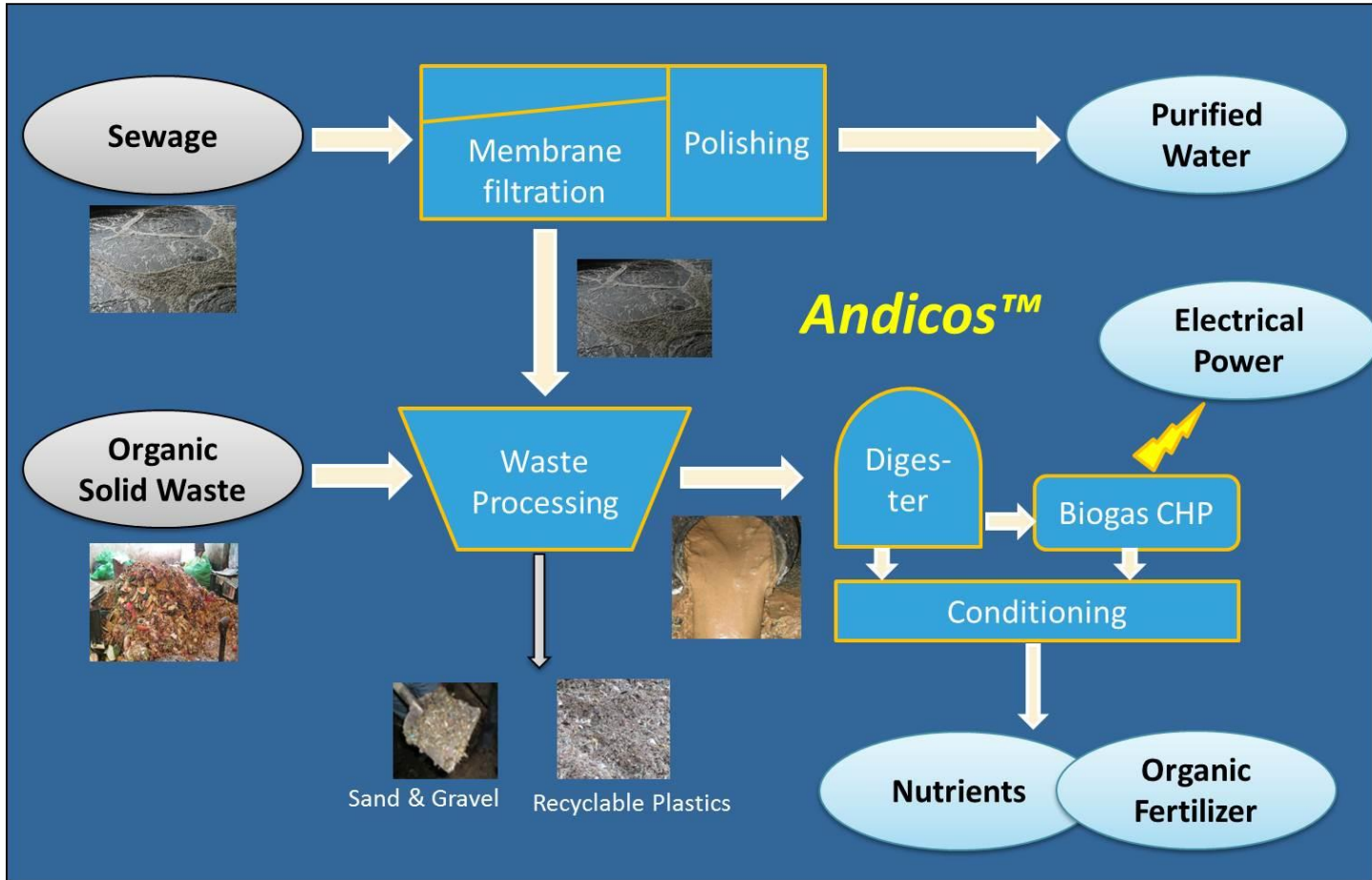




Integrated water/waste solutions

- ANDICOS® system (ANaerobic DIgestion by **C**ombining **O**rganic waste and **S**ewage)
- Domestic wastewater is combined with organic domestic waste
- From energy consumption to energy production





Rural India/Africa – sustainable energy



Integrating New and Sustainable Technologies for Elimination of Poverty



Conventional Development Models

Sector-specific & disjointed
Cross-sector linkages not explored
Subsidy-driven



RESULTS IN

- 35% of **cultivation wasted** due to lack of cold chains
- 75% of rural households use wood and chips for **cooking**
- 50% of villages have **water quality** problems
- Lack of **market intelligence** results in distress sales

G-STIC approach

Problem specific
Region specific
Cross-sector linkages established
No Subsidies

SOLUTION

- Access to **affordable** technology
- **Integrated** approach
- Viable **business** model



G·STIC 2017

23 – 25 OCTOBER 2017, BRUSSELS, BELGIUM

PARTNERS G-STIC 2017

Co-hosts



vito



Strategic Partners

CSCP, CTCN, GeSI, INBAR, IRENA, ITU, IWA, The South Centre, OVAM, UN Women, WOC, Wuppertal Institute, ...

International Advisory Committee

CIFAL, CSCP, CTCN, DESA, FAO, GeSI, IIASA, IMEC, INBAR, IRENA, ITU, IWA, TEC, TERI, TERI University, UN Environment, UN HABITAT, UN WOMEN, UNCTAD/CSTD, UNFCCC, UNIDO, UNITAR, UNRIC, UNU-IAS, WOC, ...

Thematic Partners

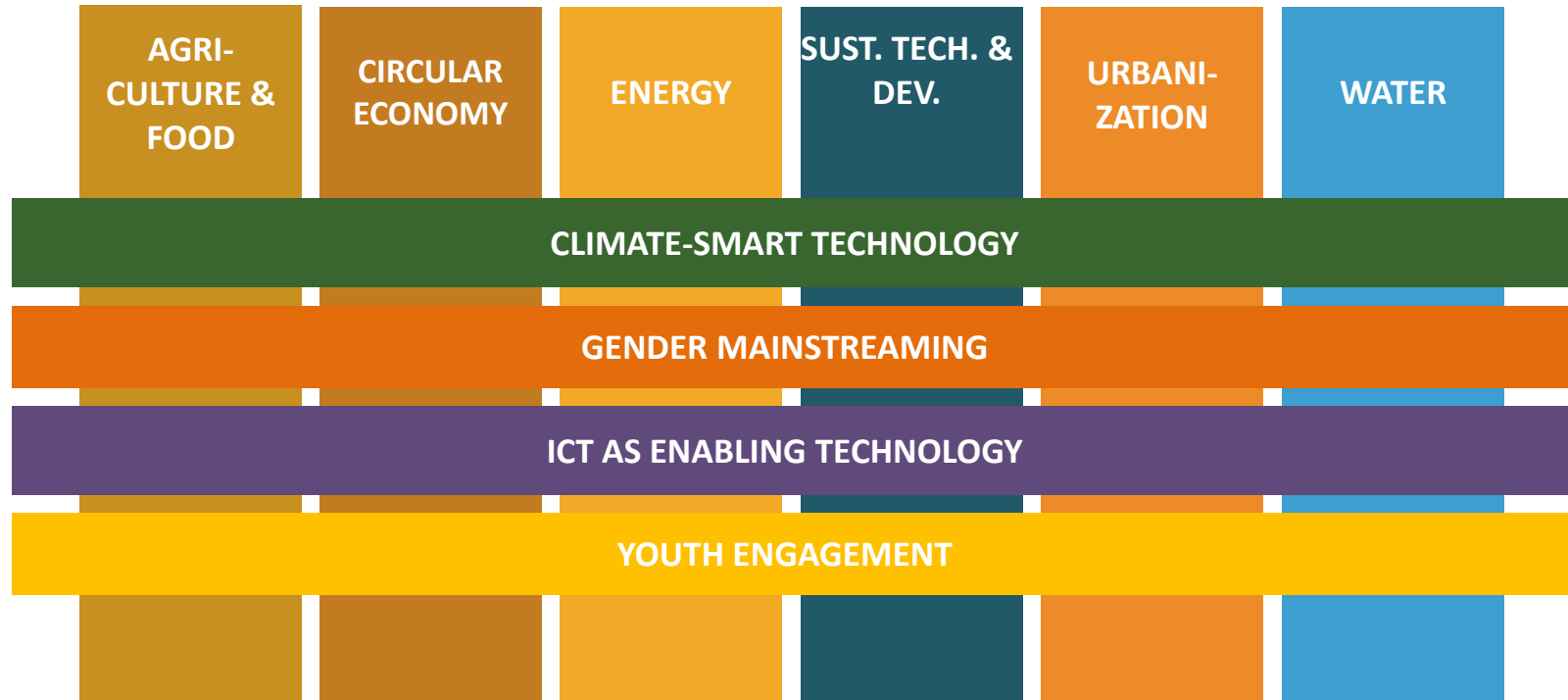
Akvo, CEFIC, Development Alternatives, EIT Raw Materials, ENOLL, ERIA, FAO, Futuring, GSGF, IETC, inno4sd.net, IMEC, IRP, ISWA, Power for All, RRC.AP, UNCRD, UN Environment, UN Habitat, VERAM, WssTP, ...

FORMS OF ENGAGEMENT DURING G-STIC 2017

- Thematic sessions
- Topical sessions
 - Sustainable building materials
 - CO2 as a resource
 - Bamboo
- Panels
 - Ocean industries
 - Smart Cities
- Cross-cutting themes
 - Climate-smart
 - ICT
 - Gender mainstreaming
 - Youth engagement



THEMATIC CLUSTERS G-STIC 2017





1055
PARTICIPANTS



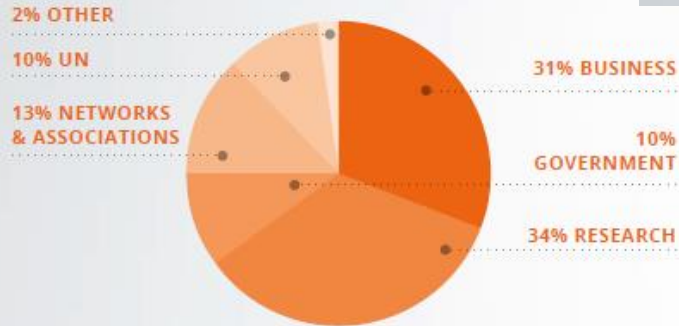
80
NATIONALITIES



220
SPEAKERS



51
NATIONALITIES



16

TOPICS

8 THEMATIC CLUSTERS

Agroecology for sustainable food systems

Circular economy

Energy positive communities

Waste water as a resource smart water

Sustainable technology & development

Urban electric mobility

Urban design and sustainable building

1 CEO PANEL

Ocean industry

CHECK THE KEY FINDINGS FOR EACH TOPIC AT WWW.GSTIC.ORG

3 TOPICAL SESSIONS

CO₂ as a resource

Bamboo

Innovative building materials

4 CROSS CUTTING THEMES

Climate-smart technology

ICT as enabling technology

Gender mainstreaming

Youth engagement

4

KEY FINDINGS

1/ Many technologies needed to achieve many SDG-related targets are readily available. Following demonstration to show effectiveness under real-life conditions, we need to develop strategies for deployment at scale to a level necessary to achieve the SDGs. For this, suitable policy and institutional environments, models, targeted incentives and partnerships are needed, which themselves are underpinned and strengthened by deep and sustained business, political and citizen engagement.

2/ Widely distributed and bottom-up technological solutions that are appropriate for communities' needs and circumstances are to drive the realisation of the energy and food SDGs, two key SDGs for achieving the 2030 Agenda.

3/ Circular economy is an essential element of the new narrative, with Industry 4.0 a key enabler to achieve it and resource recovery and use from waste streams, such as waste water and CO₂, the new normal.

4/ ICTs are an indispensable tool to enable the achievement of the SDGs.

CHECK

THE COMPLETE CHAIRPERSON SUMMARY

and

THE KEY FINDINGS FOR EACH TOPIC AT

WWW.GSTIC.ORG

For G-STIC 2018:

“Create a space/fair in G-STIC where tech solutions can be showcased.

Cross-sector meeting points for innovation and implementation solutions.

Intergenerational solutions, understanding each other’s needs and exchanging ideas, innovation and experience for co-creating solutions.”



G·STIC

2018

GLOBAL
SCIENCE
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CONFERENCES

BRUSSELS
28 - 30 NOVEMBER 2018

CONNECTING TECHNOLOGICAL INNOVATION
TO DECISION MAKING FOR SUSTAINABILITY

Register for G-STIC 2018 at www.gstic.org