Setting the scene for Integrated Technological Solutions for the SDGs

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**SDG MECHANISMS – UN & TECHNOLOGY**

- Economic and Social Council (ECOSOC)
- High-Level Political Forum (HLPF)
- The 2030 Agenda for Sustainable Development
- Sustainable Development Goals (SDGs)
- Technology Facilitation Mechanism (TFM)
- Inter-agency Task Team on STI for the SDGs (IATT)
- 10-Member Group
- Technology Mechanism (TEM)
- Technology Executive Committee (TEC)
- Climate Technology Center and Network (CTCN)
- Conference of the Parties (COP)
- Conference of the Parties (COP)
- COP21 Technology Framework
- UN Framework Convention on Climate Change (UNFCCC)
- Conference of the Parties (COP)
- Capacity Building
- Finance
- Technology

**Means Of Implementation**

**TechonoLOGICAL SOLUTIONS FOR SDGS**
gstic.org
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
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 Combining Organic waste and Sewage)
  • 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 is a process, an independent tech expert movement in support of the SDGs.

**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

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
TECHNOLOGICAL SOLUTIONS FOR SDGS

220 SPEAKERS

51 NATIONALITIES

1055 PARTICIPANTS

80 NATIONALITIES

5% NGO
14% NETWORKS & ASSOCIATIONS
15% GOVERNMENT
30% RESEARCH
34% RESEARCH
31% BUSINESS
10% GOVERNMENT
10% UN
13% NETWORKS & ASSOCIATIONS
6% UN
2% PRESS
4% OTHER

gstic.org
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

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

1 CEO PANEL

Ocean industry

CHECK THE KEY FINDINGS FOR EACH TOPIC AT WWW.GSTIC.ORG
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
“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.”
TECHNOLOGICAL SOLUTIONS FOR SDGS

G-STIC 2018
GLOBAL SCIENCE TECHNOLOGY & INNOVATION CONFERENCES

BRUSSELS
28 - 30 NOVEMBER 2018

CONNECTING TECHNOLOGICAL INNOVATION TO DECISION MAKING FOR SUSTAINABILITY

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