



TABLE OF CONTENTS

THE SUSTAINABLE DEVELOPMENT GOALS	3
G-STIC 2017	4
THEMATIC CLUSTERS	5
PARTNERS	6
PROGRAMME	7
BRUSSELS	9
VENUE	1
ACCOMMODATION	1
PREVIOUS CONFERENCES	1
CONTACT DETAILS	1:



THE SUSTAINABLE **DEVELOPMENT GOALS** 17 GOALS TO TRANSFORM **OUR WORLD**

On 1 January 2016, the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development adopted by world leaders in September 2015 at an historic UN Summit — officially came into force. With these new Goals that universally apply to all, countries will mobilize efforts to end all forms of poverty, fight inequalities and tackle climate change, while ensuring that no one is left behind.

The SDGs, also known as Global Goals, build on the success of the Millennium Development Goals (MDGs) and aim to go further to end all forms of poverty. The new Goals are unique in that they call for action by all countries, poor, rich and middleincome to promote prosperity while protecting the planet. They recognize that ending poverty must go hand-in-hand with strategies that build economic growth and addresses a range of social needs including education, health, social protection, and job opportunities, while tackling climate change and environmental protection.

While the SDGs are not legally binding, governments are expected to take ownership and establish national frameworks for the achievement of the 17 Goals. Countries have the primary responsibility for follow-up and review of the progress made in implementing the Goals, which will require quality, accessible and timely data collection. Regional follow-up and review will be based on national-level analyses and contribute to follow-up and review at the global level.















































A GLOBAL SCIENCE, TECHNOLOGY & INNOVATION CONFERENCE SERIES THAT FOCUSES ON TECHNOLOGICAL SOLUTIONS FOR THE SDGS

G-STIC is a new conference series that focuses on integrated technological solutions for the SDGs, and draws on the globally best available knowledge and real life expertise. G-STIC aims at supporting the technological discussions in the UN and other international policy forums as they relate to the SDGs, the climate goals and the Means of Implementation of Multilateral Environmental Agreements. The goal of G-STIC is to accelerate the development, dissemination, and deployment of integrated technological solutions that are feasible, acceptable and affordable from both an economic and social point of view.

G-STIC IS MORE THAN A CONFERENCE SERIES

G-STIC aims at building knowledge bases and global expert networks in support of the technological transitions needed for the implementation of the Paris Agreement and the Agenda 2030 for sustainable development.

INTEGRATED TECHNOLOGICAL SOLUTIONS FOR THE SDGS

Integrated means that solutions are contributing to a systemic change (transition) and consider the social acceptability and economic affordability. G-STIC approaches the required technological innovations from a user perspective and takes into consideration the regulatory environment needed to introduce these integrated solutions, as well as the need for regional differentiation. G-STIC is thus about transformative and doable technological solutions that consider the economic and social (1) feasibility, (2) acceptability and (3) affordability of the proposed solutions.

GUIDED BY AN INTERNATIONAL ADVISORY COMMITTEE

G-STIC is guided by an International Advisory Committee that is composed of more than 40 senior representatives from different UN agencies and expert institutes participating in one or more of the G-STIC thematic clusters or cross-cutting themes.



10 THEMES TO IMPACT THE CHANGE TOWARDS SUSTAINABLE DEVELOPMENT MODELS

6 THEMATIC CLUSTERS

AGRICULTURE & FOOD

Transition to small-scale organic agriculture

ENERGY

Energy positive communities

CIRCULAR ECONOMY

The role of Industry 4.0 as a technological driver for the Circular Economy

SUSTAINABLE TECH & DEVELOPMENT

Low-cost technology innovations for low-income stakeholders

URBANIZATION

Exploring electric mobility and sustainable building

WATER

From waste water to resourceful water

4 CROSS-CUTTING THEMES

CLIMATE-SMART TECHNOLOGY

Assessing the impact of technological solutions on climate change

GENDER MAINSTREAMING

Gender proofing the 6 thematic clusters

ICT AS ENABLING TECHNOLOGY

Making ICT work: co-design for sustainable lifestyles

YOUTH ENGAGEMENT

G-STIC Student & Research Challenges

G-STIC 2017 THEMATIC CLUSTERS						
AGRICULTURE & FOOD	ENERGY	CIRCULAR ECONOMY	SUST. TECH. & DEV.	URBANIZATION	WATER	
		CLIMATE-SMAR	T TECHNOLOGY			
		GENDER MAII	NSTREAMING			
		ICT AS ENABLIN	G TECHNOLOGY			
		YOUTH EN	GAGEMENT			

5 WAYS TO ACCELERATE DEVELOPMENT & DISSEMINATION OF INTEGRATED TECHNOLOGICAL SOLUTIONS

For each of the individual themes that will be part of G-STIC 2017, 5 distinct approaches will help accelerate the development, dissemination and deployment of sustainable technologies:

- 1. Reviewing science, technology & innovation relevant to sustainable development
- 2. Promoting collaboration among science, technology and innovation communities
- 3. Translating cutting-edge technology research into actionable agenda items
- 4. Facilitating co-creation processes and open innovation labs
- 5. Identifying globally relevant emerging technological innovations

Each of the 10 themes will be managed by a dedicated team. With a clear intention to foster cocreation practices, all teams will invest in the buildup of international learning networks and dynamic communities of committed practitioners – as part of a process to define and develop an impact strategy.

KICKING OFF A TRANSITION TOWARDS SUSTAINABLE PRODUCTION AND CONSUMPTION PATTERNS

To successfully foster co-design and co-production of solutions for the implementation of the SDGs and the Climate Challenge Agenda, G-STIC aims to attract over 1500 participants to its conferences from a wide range of sectors with a focus on technology and private sector research experts, complemented by international policy experts and members of civil society.

PARTNERS G-STIC

CO-HOSTS



The Flemish institute for technological research is a leading independent and not-for profit research and technology organization in the areas of cleantech and sustainable development.



African Centre for Technology Studies



Asian Institute of Technology



Indian Institute of Technology Delhi



The Energy & Resources Institute

The G-STIC Conference series will be hosted jointly by VITO (the prime research and technology organization on cleantech and sustainable development in Belgium) and its international partners ACTS (African Centre for Technology Studies), AIT (Asian Institute of Technology), IITD (Indian Institute of Technology) and TERI (The Energy and Resources Institute). The first edition of this new conference series will be organized in Brussels from October 23 to 25, 2017.

IAC (INTERNATIONAL ADVISORY COMMITTEE) PARTNERS

DESA - UN department of Economic & Social Affairs

FAO - Food & Agriculture Organisation

IIASA - International Institute for Applied Systems Analysis

TEC - Technology Executive Committee

TERI University - The Energy & Resources Institute University

UNCTAD /CSTD - United Nations Conference on Trade and Development /

Commission on Science and Technology for Development

UNFCCC - United Nations Framework Convention on Climate Change

UN HABITAT - United Nations Human Settlements Programme

UNIDO - United Nations Industrial development Organization **UNITAR** - United Nations Institute for Training and Research

UNU-IAS - United Nations University Institute for the Advanced Study of

Sustainability

•••

STRATEGIC PARTNERS

CSCP - Collaboration Centre on Sustainable Consumption and Production

CTCN - Climate Technology Centre & Network

GeSI - Global e-Sustainability Initiative

INBAR - International Network for Bamboo and Rattan

IRENA - International Renewable Energy Agency
ITU - International Telecommunications Union

IWA - International Water Association

OVAM - Public Waste Agency of Flanders

THE SOUTH CENTRE - Intergovernmental policy research and analysis

institution of developing countries

UN WOMEN - United Nations Entity for Gender Equality

WOC - World Ocean Council WUPPERTAL INSTITUTE

•••

THEMATIC PARTNERS

CEFIC - European Chemical Industry Council

DA - Development Alternatives

EIT Raw Materials - European Institute of Innovation & Technology

ENOLL - European Network of Living Labs

ERIA - Economic Research Institute for ASEAN and East Asia

GSGF - Global Smart Grid Federation

IETC - International Environmental Technology Center

IMEC - Interuniversitair Micro-Elektronica Centrum

inno4sd.net - Global Network of Networks about Innovation for

Sustainable Development

IRP - International Resource Panel

ISWA - International Solid Waste Association

UNCRD - United Nations Centre for Regional Development

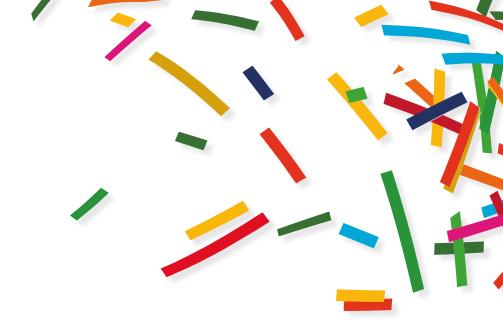
WssTP - Water Supply and sanitation Technology Platform

•••

^{*}strategic partners are also member of the International Advisory Committee

PROGRAMME





DRAFT PROGRAMME DAY 1 (23 OCTOBER)								
9:00 - 10:30	REGISTRATION							
10:30 - 12:00	HIGH LEVEL PLENARY OPENING SESSION							
12:00 - 13:00				LUNCH				
42:00 44:45	AGRICULTURE & FOOD	CIRCULAR ECONOMY & INDUSTRY 4.0	JOINT SESSION ENERGY POSITIVE COMMUNITIES - SUS.TECH & DEV.	CITIES & URBANIZATION	WATER	ICT	TOPICAL SESSION CO2 AS A RESOURCE	
13:00 - 14:45	Food and nutrition security	Envisioning a circular economy based indus- try towards 2030	Non or poorly connected communities		From data management to digital water	part 1		
14:45 - 15:30	COFFEE BREAK							
15:30 - 17:00	AGRICULTURE & FOOD	CIRCULAR ECONOMY & INDUSTRY 4.0	JOINT SESSION ENERGY POSITIVE COMMUNITIES - SUS.TECH & DEV.	CITIES & URBANIZATION	WATER	ICT	TOPICAL SESSION CO2 AS A RESOURCE	
	Food and nutrition security	Value Chain Innovation through combining CE and Industry 4.0	Non or poorly connected communities		From data management to digital water	part 2		
17:15 - 18:00	INTEGRATED PLENARY SESSION DAY 1							
18:00 - 19:00	A TOUCH OF BELGIAN FLAVOURS							

PROGRAMME

DRAFT PROGRAMME DAY 2 (24 OCTOBER)										
8:00 - 9:00	0 REGISTRATION									
9:00 - 10:30					CEO PANE	L OCEANS				
10:30 - 11:15					COFFEI	BREAK				
4445 4200	AGRICULTURE	CIRCULAR ECONOMY & INDUSTRY 4.0	ENERGY POSITIVE COMMUNITIES	SUSTAINABLE TECH & DEV.		IES & IZATION	WATER	ІСТ	TOPICAL	TOPICAL SESSION
11:15 - 13:00	Agroecology for Sustainable Food Systems	Impact of CE and Industry 4.0 on the waste sector	Grid connected communities	Irrigation Water Use Efficiency	Electric Mobility	Building	Waste water as resource	part 3	SESSION BAMBOO	SUSTAINABLE BUILDING MATERIALS
13:00 - 14:00					LUNCH	I BREAK				
14:00 - 16:00	AGRICULTURE	CIRCULAR ECONOMY & INDUSTRY 4.0	ENERGY POSITIVE COMMUNITIES	SUSTAINABLE TECH & DEV.		IES & IZATION	WATER	ІСТ	TOPICAL	TOPICAL SESSION SUSTAINABLE BUILDING MATERIALS
	Agroecology for Sustainable Food Systems	Implementing Circular Economy and industry 4.0: Final Debate and Conclusions	Grid connected communities	Access to Drinking Water	Joint closi	ng session	Waste water as resource	part 4	SESSION BAMBOO	
16:00 - 17:00	16:00 - 17:00 COFFEE BREAK + REGISTRATION VISITORS UN DAY									
17:00 - 19:00	17:00 - 19:00 UN DAY: SUSPENSION OF G-STIC2017 TO CELEBRATE THE UN DAY (CO-ORGANIZED BY CIFAL-UNITAR)									
19:00 - 20:00	20:00 GALA RECEPTION UN DAY									

DRAFT PROGRAMME DAY 3 (25 OCTOBER)						
8:00 - 9:00	REGISTRATION					
9:00 - 10:30	INTEGRATED TECHNOLOGICAL SOLUTIONS FOR SMART CITIES					
10:30 - 11:30	INTEGRATED PLENARY SESSION 2					
11:30 - 12:00	COFFEE BREAK					
12:00 - 13:00	VISIONARY SESSION ON TOPICS FOR FUTURE EDITIONS OF G-STIC					
13:00 - 13:30	HIGH LEVEL PLENARY CLOSING SESSION					
13:30 - 15:00	FAREWELL LUNCH					

BRUSSELS CAPITAL OF BELGIUM AND THE HEART OF EUROPE

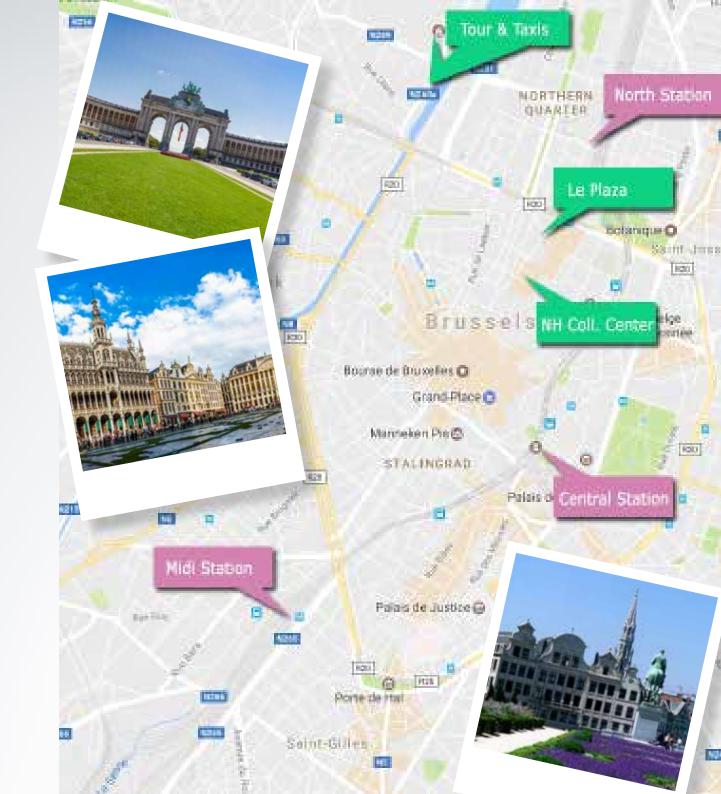
Apart from being the centre of European politics, Brussels has a fascinating an old history that dates back to the 11th century. The city of Brussels has evolved countless times throughout history but some of the monuments, buildings and streets still exist today. Throughout the ages Brussels city has been the home of kings, the hub of activity for trade and enterprise from porcelain to tapestries and to this day you can still see the outline of the original city walls built into the modern cityscape.

In 1830 Belgium became independent and Brussels became the capital of Belgium and is now one of the most international cities in de world.

Brussels:

- · Is an international financial centre
- Hosts the headquarters of the European Union and the North Atlantic Treaty Organization (N.A.T.O.)
- Offers high-calibre scientific resources
- Has flexible economic infrastructures that have enabled it to keep pace with the great technological changes of the 21st century
- A fine and beautiful city and well known for:
 - its Grand-Place as one of Europe's most resplendent architectural settings
 - its Atomium, its Manneken-Pis, its Gueuze and its Kriek, its waffles and its chocolates....

A capital that's relaxed and comfortable, as much in its history as in its present-day reality.



VENUE - TOUR & TAXIS

A GENUINE MASTERPIECE OF CIVIL ENGINEERING

A large formerly industrial site near the canal of Brussels. Tour & Taxis has the charm of the industrial era. The immensity of the main building, the Royal Warehouse and its incredible architecture are worth a glance. Built at the beginning of the 20th century, this former industrial site in Brussels, was then a key place of the Brussels thriving economy. Since 2001, it welcomes companies, shops, restaurants, trade fairs and cultural events.

A unique urban experience, all under one roof.

The Sheds were built between 1903 and 1904 and cover more than 17,410 m². From the platforms alongside, where trains deposited their goods, you can admire the astonishing self-supporting metallic framework, displaying a technical prowess unique in the world. Thanks to the glazing with which it is covered, the sawtooth roof evenly spreads natural light.









ACCOMMODATION

In order to facilitate your stay, the Brussels Booking Desk has prepared a range of recommended accommodation options at reduced hotel rates for the G-STIC 2017 conference. The selected hotels are located within walking distance of the conference venue or easy accessible by public transport.

More information available on the website www.gstic.org



CROWNE PLAZA BRUSSELS - LE PALACE

Rue Gineste 3 1210 Brussel T +32 (0)2 203 62 00 www.ihg.com/crowneplaza



THON HOTEL BRUSSELS CITY CENTRE

Avenue du Boulevard 17 1210 Brussel T +32 (0)2 205 15 11 www.thonhotels.be



HUSA PRESIDENT PARK

Boulevard du Roi Albert II 44 1210 Brussel T +32 (0)2 203 20 20 www.husapresidentpark.com



HILTON BRUSSELS CITY

Place Rogierplein 20 1210 Brussel T +32 (0)2 203 31 25 www.hiltonhotels.com

Please note that the Brussels Booking Desk is the only official housing company associated with G-STIC. While other hotel resellers may contact you to offer accommodation for your trip, they are not endorsed by, or affiliated with the event and entering into financial agreements with such companies may have costly consequences.

PREVIOUS EDITIONS OF THE INTERNATIONAL CONFERENCES

I-SUP - INDUSTRY & INNOVATIVE SUSTAINABLE PRODUCTION

BSDS - BRUSSELS SUSTAINABLE DEVELOPMENT SUMMIT

2008 - 2016



VITO has an extensive history of organizing international conferences on cutting edge technological innovations and solutions with a consortium of Indian technology development and research institutes. These conferences brought together heads of state and government, opinion leaders, policy makers and internationally renowned delegates of industry and academia to debate on global sustainability, climate change, environmental and energy related issues.

VITO has a tradition of strengthening the impact of technology in federal and European decisionmaking processes while also increasing the public understanding of prominent topics including climate change, energy-issues, circular economy, and sustainable chemistry. We have well-established research and technological partnerships in India, China and the Middle East and have organized the i-SUP and BSDS conferences since 2006. Connecting with the Asian Institute for Technology in Thailand, the Chinese Academy of Science, and the Indian Institute of Technology-Delhi further strengthens VITO's long-standing collaboration with TERI. VITO is taking the next step in its quest to support a worldwide transition to more sustainable societies and economies in an impacting and effective manner. Launching and supporting the G-STIC conference series is our response to the Paris climate agreement, entering in force on November 4th 2016, and the international community's adoption of the 2030 development agenda and associated Sustainable Development Goals in 2015.

Dirk Fransaer, Managing Director, VITO

