

Tokyo Protocol



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*On the Role of Science Centres and Science Museums Worldwide
In Support of the United Nations' Sustainable Development Goals*

Endorsed by SCWS2017 IPC

Agreed & signed by 6 major SC/SM networks

An action plan 2017 —> 2020 for SCs/SMs

Tokyo Protocol
On the Role of Science Centres and Science Museums in Support of the United Nations Sustainable Development Goals

Preamble
Science centres and science museums throughout the world are contributing to the promotion of scientific literacy and participatory citizenship, educating, empowering and inspiring people of all ages about the science of their lives. Since 1996, leaders of the field have convened congresses, reaffirming these commitments in two formal declarations (Cape Town). These congresses provided the basis for convening the Science Centre World Summit (SCWS2014) in Mechelen, Belgium, comprehensive Mechelen Declaration of principles and concrete actions to enhance public engagement for a better world.

At the convening of the second Science Centre World Summit (SCV 15-17 November, 2017 in Tokyo, Japan, parties recognise the importance of applying the principles of the Mechelen Declaration more precisely, strengthening public engagement in global sustainability. Underscored the important role for the field.

The Parties to this Protocol:
Recalling the Sustainable Development Goals (SDGs) endorsed by Nations (193) in 2015 that are global in scope and impact;
Recognising that science, technology, engineering and mathematics (STEM) is critical to meet these challenges and that STEM is universally relevant across borders and cultures;
Emphasising that public engagement and action in science and technology is key to achieving the SDGs;
Endorsing the commitments and achievements to date of global, regional and national organisations worldwide to achieve these goals for the benefit of the planet.

Taking into account that everyone must play a part to meet the challenges addressed by the SDGs and that these will be fulfilled by the action of individuals in communities throughout the world;
Recognising as well that the rapid pace of change in the world today, scientifically, technologically, demographically and economically, presents challenges and new opportunities for collective actions to achieve the SDGs;
Acknowledging that nearly 3000 science centres and science museums influence more than 310 million visitors and participants are deeply raising awareness and helping all members of society to be participants in solutions achievable to meet these goals for our planet;
Expressing confidence that science centres and science museums are institutions responsive to rapid changes and behaving proactively, vision on their roles in the ever-changing society;
Declaring that science centres and science museums worldwide are committed, and prepared to address these increasingly urgent goals.

Have agreed as follows:
General Provision
This Protocol stands as a fully endorsed supplement to the Mechelen Declaration opened for signature on 19 March, 2014 at the Science Centre World Summit in Mechelen, Belgium and adopted framework with the following seven action points:
We will ...
1. Investigate how to engage even more effectively with local and increasingly diverse audiences, and keep the focus on differences in engagement.
2. Continue taking actions that have a positive global impact, make people everywhere more aware of the opportunities and technology hold for the sustainable advancement of humankind.

With Actions Set Forth:
The Parties to this Protocol will endeavour to –
I. Give priority consideration to the importance and urgency of expanding public awareness of, and engagement in actions that help achieve the SDGs;
II. Undertake actions relevant and appropriate to local communities with consideration for the SDGs;
III. Serve as platforms for discourse and exchange among all diverse actors in society on these critical issues - bridging ideas, cultures, and views, whether they are founded in indigenous knowledge and long-standing traditions or fashioned in the rapid pace of global change;
IV. Establish new and strengthen existing partnerships and collaborations with other organisations and entities that share the commitment of science centres and science museums to raise public awareness and engagement toward timely success in achieving the SDGs;
V. Embrace and incorporate the contributions of technological innovation as tools to more effectively engage the public in these topics;
VI. Serve as trusted links and valued communicators of both the progress being made and the challenges encountered by the scientific research community worldwide in contributing to the achievement of the SDGs;
VII. Support advancement in the number, capabilities and efforts of science centres and science museums everywhere to achieve progress in meeting the SDGs;
VIII. Accept the responsibility to serve as catalysts for better understanding and coordinated actions within communities throughout the world by stimulating tolerance and critical thinking, distinguishing fact from belief, reinforcing the imperative for evidence-based decision-making, and inspiring a new generation to view the SDGs as foundations on which to grow a better world;
IX. Support the organisation of collective worldwide public STEM activities, wherever possible, to include observance of an annual international science centre and science museum day, consistent with intent of action item #7 of the Mechelen Declaration, but modifying its scope from an international year to an annual international day.

Signature and Entry into Force
Upon signature of this Protocol, the Parties acknowledge their commitment to apply their best possible efforts towards the realization of the actions set forth in this Protocol.

As of this date 17th June, 2017

[Signature]
LIM Tit Meng
President
Asia Pacific Network of Science & Technology Centres (ASPAC)

[Signature]
Luisa Massarani
Director
Latin American and Caribbean Network for the Popularization of Science and Technology (RedPOP)

[Signature]
Linda Conlon
Chair
Association of Science – Technology Centers (ASTC)

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Sawsan Dalaq
President
North Africa and Middle East Science centers network (NAMES)

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Michiel Buchel
President
Escite - European network of science centres and museums

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Mondli Mnguni
Chair
Southern African Association of Science & Technology Centres (SAASTEC)





Tokyo Protocol

*On the Role of Science Centres and Science Museums Worldwide
In Support of the United Nations' Sustainable Development Goals*

Dedicated to SDGs activities

Deepens SCWS2017 discussions on SDGs

Creates strategic actions/partnerships towards SCWS2020



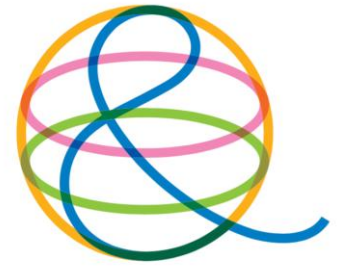


SCWS 2017
Connecting the World
for a Sustainable Future

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SCWS 2017
Connecting the World
for a Sustainable Future

With Actions Set Forth:

The Parties to this Protocol will endeavour to –

II. Undertake actions relevant and appropriate to local communities with consideration for the SDGs;



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Connecting the World
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With Actions Set Forth:

The Parties to this Protocol will endeavour to –

III. *Serve* as platforms for discourse and exchange among all diverse actors in society on these critical issues - bridging ideas, cultures, and views, whether they are founded in indigenous knowledge and long-standing traditions or fashioned in the rapid pace of global change;



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The Parties to this Protocol will endeavour to –

IV. Establish new and strengthen existing partnerships and collaborations with other organisations and entities that share the commitment of science centres and science museums to raise public awareness and engagement toward timely success in achieving the SDGs;



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V. Embrace and incorporate the contributions of technological innovation as tools to more effectively engage the public in these topics;



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With Actions Set Forth:

The Parties to this Protocol will endeavour to –

VI. *Serve* as trusted links and valued communicators of both the progress being made and the challenges encountered by the scientific research community worldwide in contributing to the achievement of the SDGs;

With Actions Set Forth:

The Parties to this Protocol will endeavour to –

VII. Support advancement in the number, capabilities and efforts of science centres and science museums everywhere to achieve progress in meeting the SDGs;

With Actions Set Forth:

The Parties to this Protocol will endeavour to –

VIII. **Accept the responsibility to serve as catalysts for better understanding and coordinated actions within communities throughout the world by stimulating tolerance and critical thinking, distinguishing fact from belief, reinforcing the imperative for evidence-based decision-making, and inspiring a new generation to view the SDGs as foundations on which to grow a better world;**



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IX. Support the organisation of collective worldwide public STEM activities, wherever possible, to include observance of an annual international science centre and science museum day, consistent with intent of action item #7 of the Mechelen Declaration, but modifying in scope from an international year to an annual international day.

SDGs related activities in SCWS2017

Five “Panorama” sessions focusing specific SDG(s)



1 *“Unique Perspectives on Quality and Inclusive Science Education of All”*

2 *“Gender Equality and Reduced Inequalities”*

3 *“Interpreting and Advocating for Sustainable Technology and Innovation”*

4 *“How Science Centres Contribute to the Sustainable Future of Cities”*

5 *“Partnerships for the United Nations Sustainable Development Goals”*

SCWS Parallel events in Miraikan for SDGs



SDGs X Backward from the Future

1st November 2017 – 8th January 2018

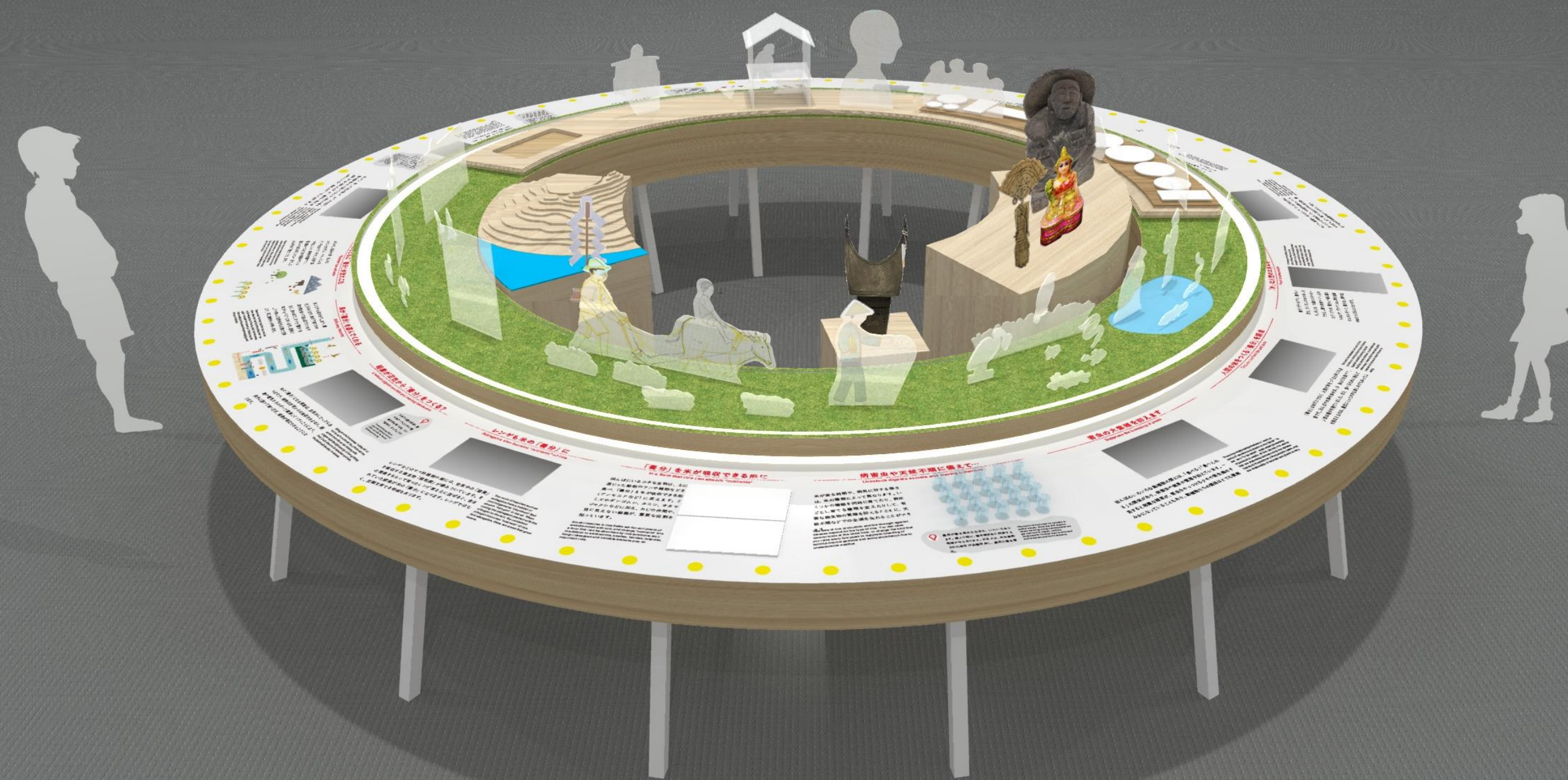


Panel exhibits introduce the SDGs.
Experience the “Backward from the Future”
Workshop on global sustainability

A special event based on Miraikan’s permanent exhibition “Backward from the Future”

SCWS Parallel events in Miraikan for SDGs

Beautiful Rice – for a Sustainable Future



11th November 2017 to 8th January 2018

Wisdom of Asia reveals sustainability of paddy field and cycling of nature

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At the convening of the second Science Centre World Summit 15-17 November, 2017 in Tokyo, Japan, parties recognising applying the principles of the Mechelen Declaration more strengthening public engagement in global sustainability, important role for the field,

The Parties to this Protocol:

Recalling the Sustainable Development Goals (SDGs) of the United Nations (UN) in 2015 that are global in scope and impact,

Recognising that science, technology, engineering and mathematics are critical to meet these challenges and that STEM is universal across borders and cultures;

Emphasising that public engagement and action in science are key to achieving the SDGs;

Endorsing the commitments and achievements to date of local organisations worldwide to achieve these goals for the future forms on the planet.



Taking into account that everyone must play a part to meet the challenges addressed by the SDGs and that these will be fulfilled by individuals in communities throughout the world;

Recognising as well that the rapid pace of change in the scientifically, technologically, demographically and economic challenges and new opportunities for collective actions to

Acknowledging that nearly 3000 science centres and science museums influence more than 310 million visitors and participants a raising awareness and helping all members of society to solutions achievable to meet these goals for our planet;

Expressing confidence that science centres and science museums are institutions responsive to rapid changes and behaving proactively on their roles in the ever-changing society;

Declaring that science centres and science museums worldwide are committed, and prepared to address these increasingly urgent

Have agreed as follows:

General Provision

This Protocol stands as a fully endorsed supplement to the Mechelen Declaration opened for signature on 19 March, 2014 at the Science Centre World Summit in Mechelen, Belgium and is framed within the framework with the following seven action points:

We will ...

1. Investigate how to engage even more effectively and increasingly diverse audiences, and keep abreast of differences in engagement.
2. Continue taking actions that have a positive global impact, make people everywhere more aware of the opportunities and technology hold for the sustainable advancement of



3. Draw the attention of decision makers and the media to the role of public engagement with science and technology in high-profile global activities.
4. Endeavour to leverage the position of science centres and museums to introduce the public to new technological solutions and technologies, and to broaden the potential use of technologies.
5. Take the lead in developing the best methods for promoting science and technology, optimizing their education in both formal and informal settings, and appropriate technologies in widely varying contexts.
6. Engage the public more directly with research, using science communication to help empower people, broaden attitudes and encourage universities and research institutions is relevant to the public social concerns on a global scale.
7. Work together in a creative celebration of the Science Centre World Summit Year 2019, encouraging people throughout the world in shared experiences relating to science and technology.

Statement of Purposes

The purposes of this Protocol are therefore to:

- I. Recognise and utilize science centres and science museums as platforms to help various relevant stakeholders build a better understanding of the challenges of realising the SDGs in diverse communities;
- II. Bring to the attention of the decision makers worldwide the accomplishments of the science centre and science museums in regard to the SDGs consistent with the relevant action points of the Mechelen Declaration.



With Actions Set Forth:

The Parties to this Protocol will endeavour to –

- I. Give priority consideration to the important role of science centres and museums in expanding public awareness of, and engagement with, science and technology to achieve the SDGs;
- II. Undertake actions relevant and appropriate to the role of science centres and museums with consideration for the SDGs;
- III. Serve as platforms for discourse and exchange of ideas between actors in society on these critical issues - bridging the gap between long-standing traditions or fashioned in the rapid pace of change and the challenges of the SDGs;
- IV. Establish new and strengthen existing collaborations with other organisations and encourage the commitment of science centres and science museums to the SDGs awareness and engagement toward timely solutions to the SDGs;
- V. Embrace and incorporate the contribution of science centres and museums to more effectively engage the public in the SDGs;
- VI. Serve as trusted links and valued community members in progress being made and the challenges encountered by the research community worldwide in contributing to the SDGs;
- VII. Support advancement in the number, capabilities and quality of science centres and science museums even progress in meeting the SDGs;
- VIII. Accept the responsibility to serve as a catalyst for understanding and coordinated actions throughout the world by stimulating tolerance, respect, and distinguishing fact from belief, reinforcing evidence-based decision-making, and inspiring action on the SDGs as foundations on which to grow a better world;
- IX. Support the organisation of collective worldwide activities, wherever possible, to include observance of the SDGs by international science centre and science museum networks in the intent of action item #7 of the Mechelen Declaration, moving from an international year to an annual international day.



Signature and Entry into Force

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