



# **“The Tokyo Protocol: Our Global Plan for Local Action” Wednesday 15 November 2017**

**Erik Jacquemyn  
Derek Fish**



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# 1<sup>st</sup> Science Centre World Congress (SCWC) 1996: Helsinki, Finland



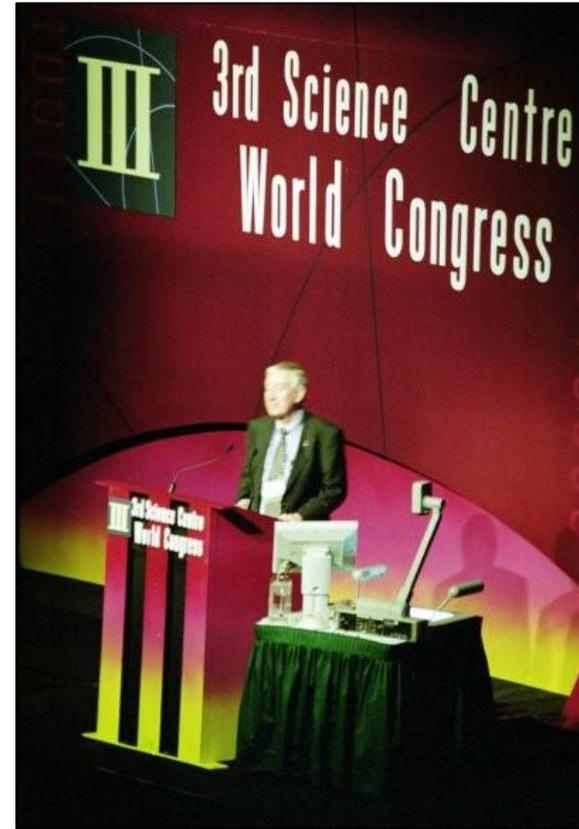


# 2<sup>nd</sup> SCWC 1999: Kolkata, India





# 3<sup>rd</sup> SCWC 2002: Canberra, Australia





# 4<sup>th</sup> SCWC 2005: Rio de Janeiro, Brazil





# 5<sup>th</sup> SCWC 2008: Toronto, Canada





# 6<sup>th</sup> SCWC 2011: Cape Town, South Africa



SCWS 2017  
Connecting the World  
for a Sustainable Future



Mike Bruton



# 1<sup>st</sup> SCWS 2014: Mechelen, Belgium



SCWS 2017  
Connecting the World  
for a Sustainable Future





### Introduction

The leaders of science centres and museums from 18 countries around the world signed the Mechelen Declaration at the Science Centre World Summit, in Mechelen, Belgium, from 17-19 March 2014. This high-level international gathering of 403 attendees built upon the outcomes of the previous World Congresses, held since 1992 in different continents. During this Summit, science centre leaders met with global experts, industry representatives and leading national representatives to exchange their ideas, concerns, public challenge plans and rapidly changing reality. With a changing commitment to impact, the science centre field puts forward this Declaration and its follow-up action plan.

Since 1992, there has been a marked increase in the number of science related public events in almost every continent and every scientific discipline, with primary and secondary schools' engagement with science has increased, and the digital revolution has rapidly changed our relationship with technology. From a single media channel, through social media, science centres have shown a better understanding of communication and learning. Science centres have shown a better understanding of the importance of education, the importance of scientific understanding, and the importance of addressing the needs of local contexts, responding to community needs and reflecting policies of inclusiveness. Government, scientific organisations, international organisations, multi-national corporations and the education field are engaged in their engagement to sustain global scientific and technological research in order to achieve the advancement, prosperity and welfare of everyone. Nearly 1200 science centres participate in an unprecedented hands-on, enquiry-based learning, and have achieved a high ranking among them more than 100 million annual visitors.

Internationally, science centres are moving beyond the traditional focus on exploration of scientific phenomena. Many centres are engaging with their audiences in the emerging communities, actively helping to achieve the United Nations Millennium Development Goals of the United Nations, and the Sustainable Development Goals to be launched in 2015.

# Mechelen Declaration

19 MARCH 2014

PUBLIC ENGAGEMENT FOR A BETTER WORLD

### Science Centre World Impact

Science centre leaders of our field have made during the World Congress of 2011, the previous year, a promise to continue working together in Europe, South America, Asia, Africa, Australia and the Mediterranean, in Eastern Europe and in Arab, and to continue to work together in Latin America, India and Asia. We have made more progress in our work together, and the global public through which public events on science and technology can be heard and supported. We have made progress in our work together to support an inclusive and open development process, and to encourage and support an inclusive development process to support global public engagement. A significant concern in the development of science centres has been the need to ensure that science centres have provided knowledge, innovation and innovation that help to meet sustainable objectives.

### The Science Centre World Summit 2014

There has been an unprecedented development in partnerships, growing science awareness and engagement across cultural, political, economic and geographic boundaries. Stronger connections have been built between science and education, and to build the collaborative efforts with science centres in the future. In 2014, the Science Centre World Summit was held in Mechelen, Belgium, to address the challenges presented by continually changing and multifaceted environments for both science centres and partners.

The 2014 Summit worked to create a new global network, connecting global scientific disciplines and multi-national institutions at the intersection of stakeholders and science centres bringing the global science, industry and science and technology and thus to building more global partners. Science centres are not simply places where visitors learn but learning experiences of a global that are a key element. They are science centres that transform the way to reflect quality of all ages, work and art. Building the relationships will address issues related to the science engagement with science and technology at a higher learning level than before. At the same time, these partnerships will create a climate in which all parties support one another's messages and tasks.

Members of science centres, universities, and other public institutions in their own right have signed this Declaration.

### We will...

1. Investigate how to engage more effectively with our communities and encourage them to participate, and how to do so in a more effective and engaging way.
2. Continue working together to have a positive global impact and that will make people worldwide more aware of the significance of our science and technology for the sustainable development of humanity.
3. Take the provision of science education and the needs in the scientific field of public engagement with science and technology for young or high school public activities.
4. Continue to work to the extent of science centres to provide public to enhance the public's understanding of science and sustainable technology, and to become the global use of these activities.
5. Use the need to develop the best methods for engaging partners and community stakeholders in both formal and informal settings using appropriate techniques to build strong networks.
6. Engage the public more directly with research, using the engagement to help enhance people's lives and to ensure that the work of science and research institutions is relevant to society and to the public's needs in a global world.
7. Work together in a collaborative culture at the international Science Centre World Summit, ensuring ongoing dialogue throughout the year to build a new science engagement, building to science and technology and society.



...ing persons and organization... ment at the Science Centre World Summit... the science centre field's effort to start... mission and to respond to future invita... lized organizations in... ential partnerships... achieve goals...



# MECHELEN 7 (DWARVES)



7



Investigate how to engage even more effectively with local communities and increasingly diverse audiences, and keep the focus on gender differences in engagement.

**M**<sub>ech</sub> **1**



**BASHFUL**



# Deutsches Museum, Munich, Germany



**M**ech **1**



# Thessaloniki Science Centre and Technology Museum, Greece



**M**<sub>ech</sub> **1**



# Science Center Netzwerk, Vienna, Austria



**Mech 1**

“Knowledge Room” places SC’s into unreachable communities





# Morehead Planetarium, Chapel Hill, USA



**M**ech **1**

Author Margot Lee Shetterly presents her book: "Hidden Figures"





# Espacio Ciencia, Montevideo, Uruguay

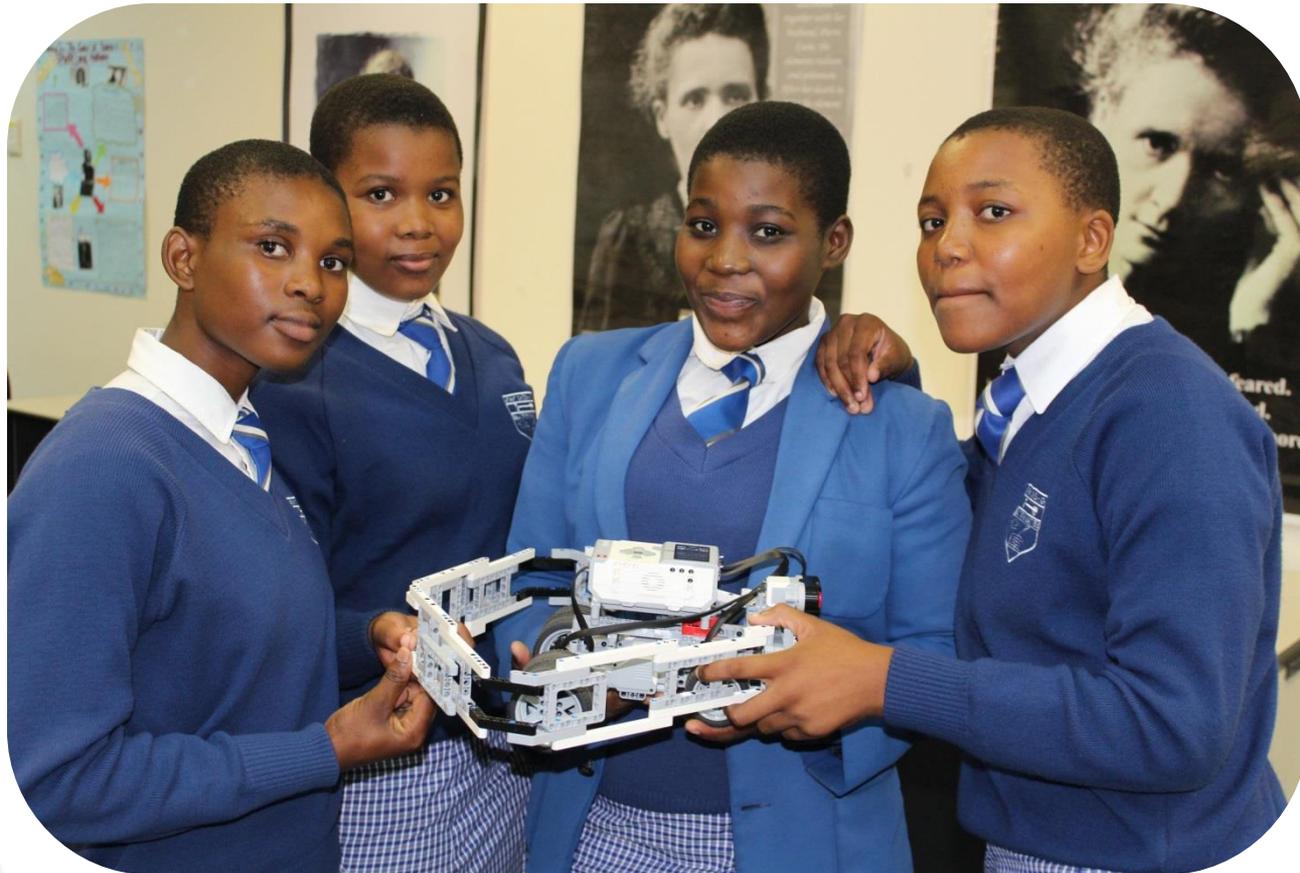


**Mech 1**

Girls in ICT programme



# Unizulu Science Centre, Richards Bay, South Africa



**Mech 1**

Girls of Tomorrow Programme inspires Grade 7 girls





# Oakland Museum, USA



Mech 1



# Science Leadership Youth Movement, Israel



**Mech 1**

Combining science study with promoting social leadership for youth





# Hypatia Project: 14 Science Centres and Science Museums around Europe



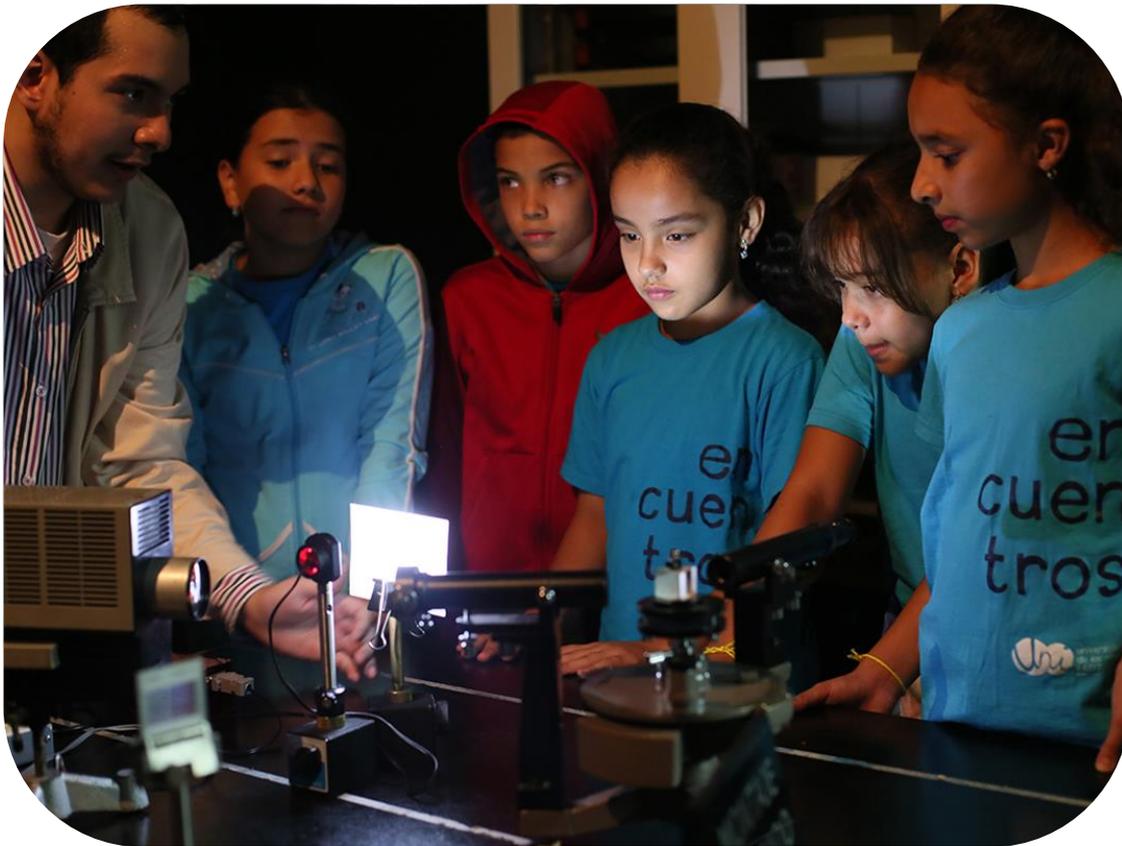
# Mech 1

A pan-European campaign for and with young people





# Universidad EAFIT, Medellin, Colombia



**Mech 1**

Universidad de los Niños brings children into science





Continue taking actions that have a positive global impact and that will make people everywhere more aware of the opportunities that science and technology hold for the sustainable advancement of humankind.



SNEEZY

**M**<sub>ech</sub> 2



# Parque Explora, Medellin, Colombia



**M**ech 2

Programmes on conservation and the environment





# TELUS Spark Calgary, Canada



# Mech 2

Programmes on energy and the environment





# CICAT, Coronel, Chile



IDEAS FACTORY



PLANET WATER



SUPER BRAIN



SEA OF WONDERS



ALBUM OF THE ECO BRIGADE



# Mech 2



# Sciencenter, Ithaca, USA



**M<sub>ech</sub> 2**

Sustainability and riverine ecology programmes and exhibits





# Universum, Mexico City, Mexico



<h2>EL CAMBIO CLIMÁTICO YA ESTÁ AQUÍ</h2>	
<p>EXPOSICIÓN AL AIRE LIBRE</p>	
<p>A partir del <b>18.01.17</b></p>	<p>EXPLANADA DE <b>UNIVERSUM</b> Circuito Cultural de Ciudad Universitaria, Coyoacán, 04510, Ciudad de México</p>

# Mech 2



# MUSE, Trento, Italy



# Mech 2

An exhibition on sustainability and the SDG's







# Musea da Vida, Rio de Janeiro, Brazil



**Mech 2**



Draw the attention  
of decision makers and the media  
to the essential role of public engagement  
with science and technology  
by setting up  
high-profile global activities.

# SLEEPY



# Mech 3



# Miraikan, Tokyo, Japan



**M**<sub>ech</sub> 3

Angela Merkel, German Chancellor, interacts with ASIMO



# Copernicus SC, Warsaw, Poland



**M**ech 3

First ladies Melania Trump (USA) and Agata Kornhauser-Duda (Poland)





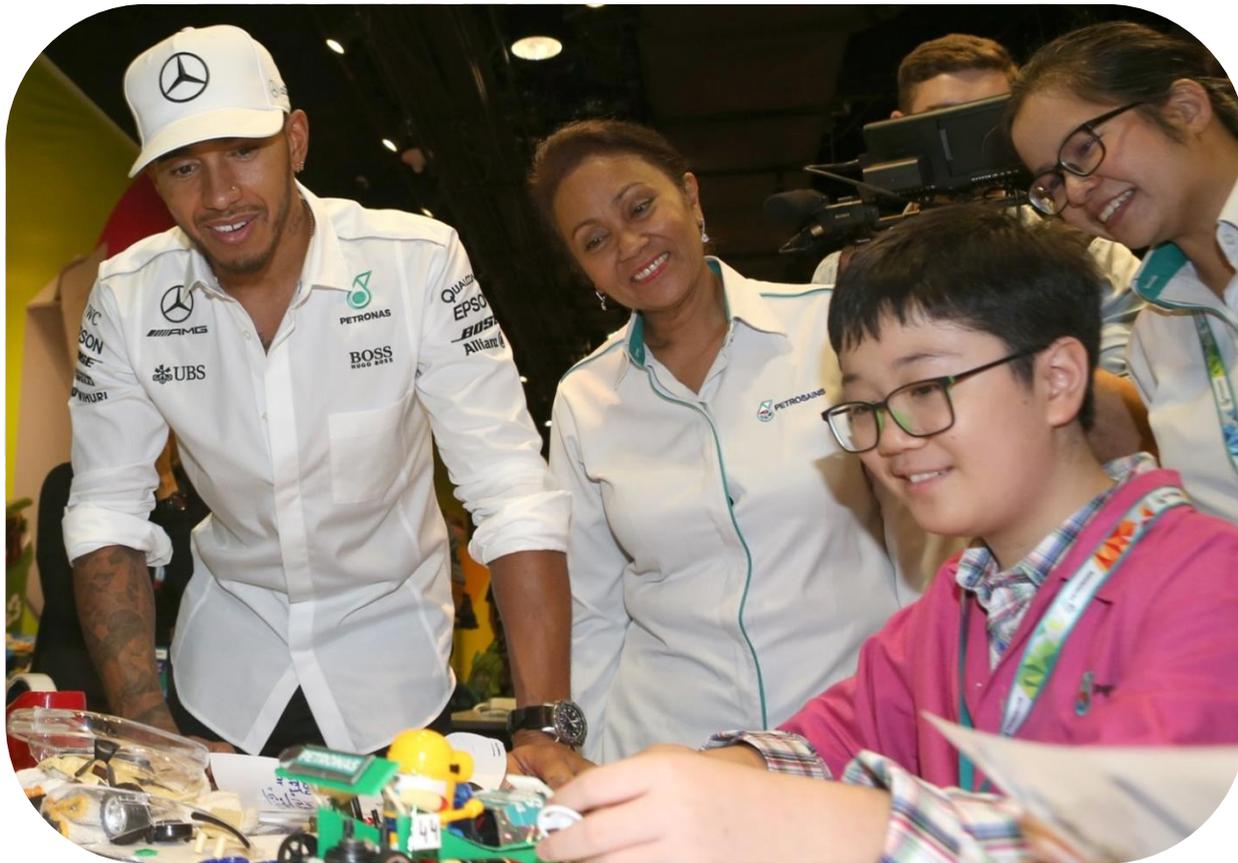
# Thessaloniki Science Centre and Technology Museum, Greece



**M<sub>ech</sub> 3**



# Petrosains, Kuala Lumpur, Malaysia



**M**ech **3**

Formula 1 Champion Lewis Hamilton helps to design racing cars





# Columbus Earth Centre, Kerkrade, Netherlands



**M**ech 3



## Miraikan, Tokyo, Japan



**M**<sub>ech</sub> **3**

Spanish King Felipe and Queen Letizia greeting ASIMO





# MIDE, Mexico City, Mexico



**M**ech **3**

Angela Merkel, German Chancellor, addressing the audience at MIDE





Endeavour to leverage the position of science centres as “trusted” places to introduce the public to new technological solutions and sustainable technologies and to broaden the potential use of these solutions.

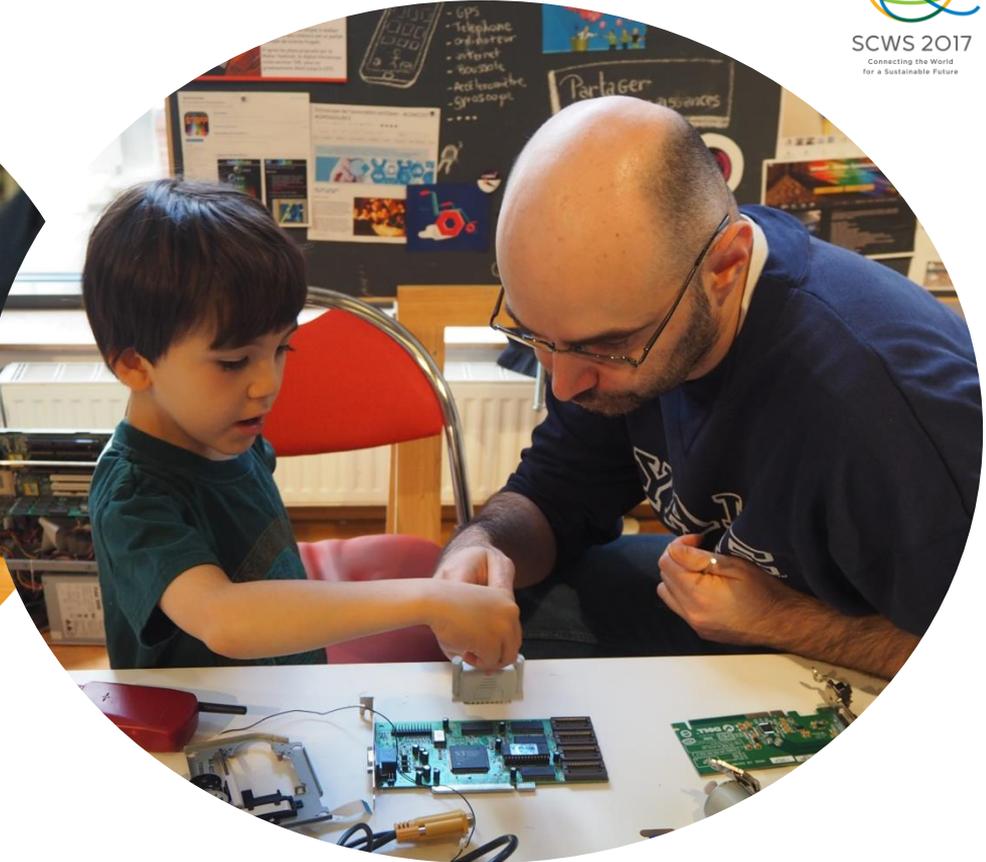


DOC

**M<sub>ech</sub> 4**



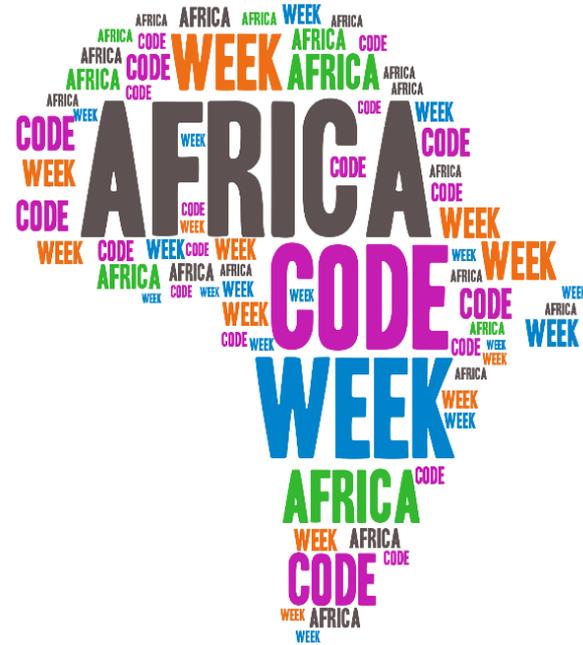
# Espace des Sciences Pierre-Gilles de Gennes, Paris, France



**M**ech 4



# Africa Code Week led by Cape Town Science Centre, South Africa



**CODING IS A NEW LANGUAGE.**

**EVERY CHILD DESERVES TO BE FLUENT.**

**Mech 4**



# Tekniska Museet, Stockholm, Sweden



**M**ech 4

MegaMind, a new exhibition space dedicated to creativity





Take the lead  
in developing the best methods  
for engaging learners  
and optimizing their education  
in both formal and informal settings  
using appropriate technologies  
in widely varying contexts.



**M**<sub>ech</sub> 5



# Australian National University, Canberra, Australia



**M<sub>ech</sub> 5**



# Science Circus Africa, Botswana



**Mech 5**



# Euro-Mediterranean and Middle East Summer School of Science Communication



**M<sub>ech</sub> 5**

EMME collaborative training for Science Centre staff





# Mirador Interactive Museum, Santiago, Chile



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**M**<sub>ech</sub> 5

Inspiring children with playful, interactive and autonomous exploration





# Sci-bono Discovery Centre, Johannesburg, SA



# Mech 5



# The Mind Museum, Taguig City, Philippines



**Mech 5**

From duty to wonder: a programme for inspiring teachers





# Christof Meyer SC, Emseleni, South Africa



**M<sub>ech</sub> 5**

Teacher training to ensure that pupils are inspired!





Engage the public more directly with research, using this engagement to help empower people, broaden attitudes and ensure that the work of universities and research institutions is relevant to society and to wider social concerns on a global scale.

**M<sub>ech</sub> 6**



**GRUMPY**





# Maloka SC, Bogota, Colombia



**Mech 6**



# Musea da Vida, Rio de Janeiro, Brazil



**M**ech 6



Work together in a creative celebration of the



HAPPY

M7



# TELUS World of Science, Edmonton, Canada



**M<sub>ech</sub> 7**

ISCSMD celebration with public liquid nitrogen cannon





# Centre for Life, Newcastle, UK



# Mech 7

facebook.com/NewcastleChronicle

FRIDAY, NOVEMBER 11, 2016 *The Chronicle* 13

**By HANNAH GRAHAM**  
Reporter  
hannah.graham@nclchronicle.com  
@HannahGraham22

**WORLDWIDE PROJECT AIMING TO HIGHLIGHT UN GOALS**

HUNDREDS of pupils got under the skin of some of the world's most fascinating creatures. The Centre for Life, in Newcastle, was among 200 science centres worldwide to take part in World Science Centre Day.

Pupils from across the North East enjoyed experiments which saw them take a look inside the human brain, as well as taking a look around the acclaimed Inside Out exhibition from Gunther von Hagens.

Sophie Wise, 10, from Bishop Ian Ramsey school, in Consett, said: "It's been a fun day - a lot more fun than learning about these things in lessons."

Jack Graham, 10, added: "My favourite part was the inside-out animals, it's just cool to see them like that and find out how they work."

Their teacher, Melissa Hill, said: "It's absolutely brilliant - a lot of these kids don't come to museums so it's a good experience for them. "They're having fun and they don't think they're learning, but they are."

Aaliyah Armstrong, nine, and Joanne Kabongo, nine, both from St Oswalds school in South Shields, were enthusiastic.

Aaliyah said: "I found the inside-out animals bit really interesting - I love learning about the world and I think seeing it here is so fun and a good way to learn."

Joanne added: "We've been learning about clouds and the weather, we made clouds and had to write questions on them. I love science in school and here you can actually see it and understand it in real life."

As well as engaging people in science, the day is intended to show how science can help promote global peace and sustainability. The topics the museums focus on are all related to the UN's 17 sustainable development goals, which include climate action, an end to hunger, and clean water for all.

Linda Conlon, Centre for Life chief executive, was one of the main figures behind the world-first event.

She hopes the day will encourage people of all ages to engage with science centres.

She added: "We want to show the children that science centres can address things in pretty cool ways that they won't necessarily see in school. "But we're also here for older people - we know not everyone who comes here will be a budding scientist, but the world is being increasingly shaped by technology, that's a fact whatever you're interested in. "The pace of change can often feel bewildering, and that's where science centres step in. "We can really help people to understand the increasingly complex mix of technologies which are shaping the world around them."

**“We want to show the children that science centres can address things in pretty cool ways”**  
Linda Conlon, Centre for Life

**International Science Centre & Science Museum Day**  
10 November 2016

Launch of International Science Day outside Life Science Day featuring 200 children

## ISCSMD launch with 200 children





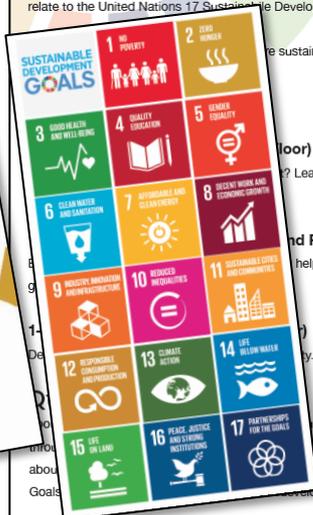
# Rochester Museum and SC, USA



## Happy International Science Center and Science Museum Day!

Today, we're joining science centers around the world to promote the United Nations theme "Science for Peace and Development" with the goal of creating new ways for our institutions to address global sustainability.

Use this guide to help you identify the Museum experiences that relate to the United Nations 17 Sustainable Development Goals.



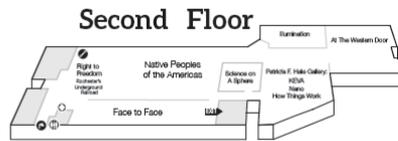
### First Floor

- Live Science Show (RMSC Players: 11am)**
  - 14 Life Below Water
- AdventureZone and Lake Ontario Simulator**
  - 14 Life Below Water
- Green Infrastructure Showcase**
  - 9 Industry, Innovation and Infrastructure
  - 11 Sustainable Cities and Communities
  - 14 Life Below Water
- Energy Trail (Multi-floor Experience)**
  - 7 Affordable and Clean Energy
  - 9 Industry, Innovation and Infrastructure
- Expedition Earth**
  - 6 Clean Water and Sanitation
  - 11 Sustainable Cities and Communities
  - 14 Life Below Water
  - 15 Life on Land



### Third Floor

Note: Mezzanine Level, not pictured, includes Raceways and From Here to There exhibits.



### Second Floor

- Illumination: The World of Light and Optics**
  - 8 Decent Work and Economic Growth
  - 9 Industry, Innovation and Infrastructure
- Patricia F. Hale Hands-On Gallery**
  - 7 Affordable and Clean Energy
  - 9 Industry, Innovation and Infrastructure
  - 12 Responsible Consumption and Production
- Science On a Sphere (Facility)**
  - 2 Zero Hunger
  - 12 Responsible Consumption and Production
  - 13 Climate Action
  - 15 Life on Land
- Native Peoples of the Americas**
  - 16 Peace, Justice and Strong Institutions
- Flight to Freedom: Rochester**
  - 10 Reduced Inequalities
  - 16 Peace, Justice and Strong Institutions

### Under Construction: Building

- Inventor Center (Open 1-4:30)**
  - 8 Decent Work and Economic Growth
  - 7 Affordable and Clean Energy
  - 8 Decent Work and Economic Growth
  - 11 Sustainable Cities and Communities



# Mech 7

ISCSMD celebration with SDG's in their brochure and exhibits





# SAASTEC Conference 2016, Southern Africa



## SUSTAINABLE DEVELOPMENT GOALS

<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 	<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>4</b> QUALITY EDUCATION 	<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 
<b>7</b> AFFORDABLE AND CLEAN ENERGY 	<b>8</b> DECENT WORK AND ECONOMIC GROWTH 	<b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE 	<b>10</b> REDUCED INEQUALITIES 	<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 
<b>13</b> CLIMATE ACTION 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 	<b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS 	<b>17</b> PARTNERSHIPS FOR THE GOALS 	

Mech 7



SDG's as conference theme attracting papers addressing all 17!





# SUSTAINABLE DEVELOPMENT GOALS



<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 	<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>4</b> QUALITY EDUCATION 	<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 
<b>7</b> AFFORDABLE AND CLEAN ENERGY 	<b>8</b> DECENT WORK AND ECONOMIC GROWTH 	<b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE 	<b>10</b> REDUCED INEQUALITIES 	<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 
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# Museon, The Hague, Netherlands



One Planet, an exhibition incorporating all 17 of the SDG's





# Tokyo Protocol

Dr Mamoru Mohri





# MECHELEN 7 (DWARVES)



7

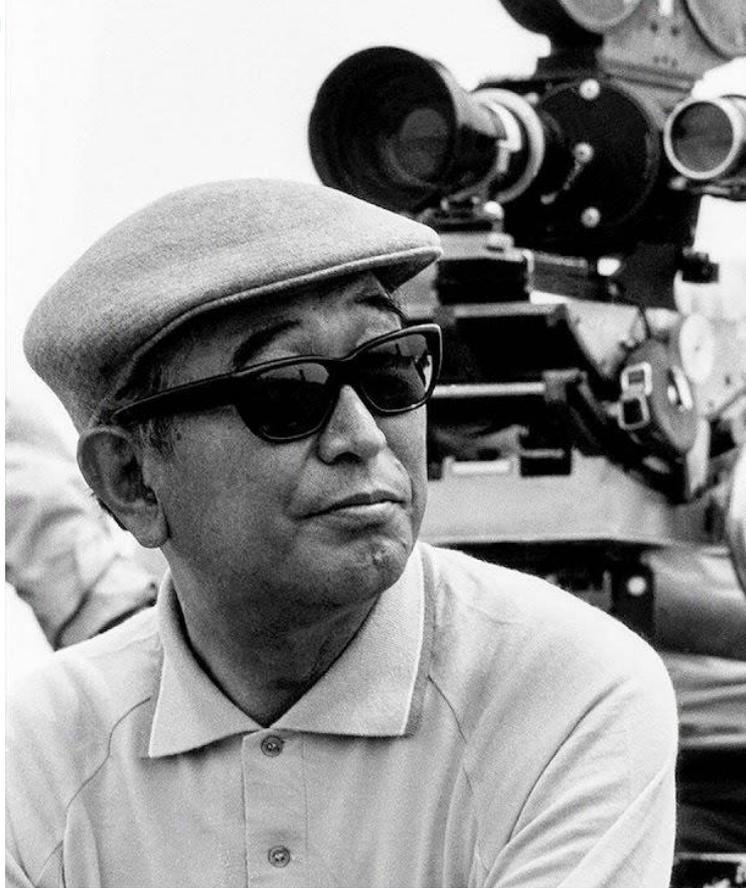
# THE MAGNIFICENT SEVEN

They fought like seven hundred



**STEVE McQUEEN**  
**JAMES COBURN**  
"BRITT"  
**HORST BUCHHOLZ**  
"CHICO"  
**YUL BRYNNER**  
"CHRIS ADAMS"  
**BRAD DEXTER**  
"HARRY LUCK"  
**ROBERT VAUGHN**  
"LEE"  
**CHARLES BRONSON**  
"BERNARDO O'REILLY"





AKIRA  
**KUROSAWA**



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# SEVEN SAMURAI



# Yamabushi

Yamabushi warriors  
were mountain hermits,  
abstaining from earthly pleasures  
and giving spiritual guidance  
to all people



**TP1** SC's should focus on expanding public awareness of,  
and engagement in actions to help achieve the SDG's

# Ashigaru



Ashigaru warriors were the ordinary foot soldiers, in touch with the man in the street

**TP2**

SC's should undertake actions relevant & appropriate to local communities with consideration for the SDG's

# Soh̄ei

Soh̄ei were  
Buddhist warrior monks,  
who would solve  
disputes between  
diverse parties



TP3

SC's should serve as platforms for discourse and exchange among all diverse actors in society



# Ronin

Ronin were  
“men of the waves”  
or wanderers  
not attached to  
any particular master

**TP4**

SC's should establish new, and strengthen existing partnerships with all organisations that share their commitment

# Ninja

Ninja warriors were the highly-trained, secret assassins, well equipped and masters of tools and technology



**TP5** SC's should embrace and incorporate the contributions of technological innovation as tools to more effectively engage the public.



# Tsukai-ban

Tsukai-ban were  
the messenger-corps –  
ensuring effective communication  
on the battle-field

**TP6**

SC's should serve as valued communicators of the progress being made by the scientific research community

# Ikko-ikki

Ikko-ikki believed in salvation for all humanity not just for the elite – a mass social movement under arms



TP7

SC's should support advancement in the number of SC's and science museums everywhere, as well as their capabilities



# Samurai

Samurai were a warrior aristocracy, beginning as deadly accurate horse-archers, with unerring aim.

SC's should serve as catalysts for better understanding and for actions within communities everywhere, aiming at the SDGs as foundations on which to grow a better world



## Wokou

Wokou were seafaring soldiers, taking the battle beyond the shores of Japan to the rest of the world

**TP9**

SC's should support the organisation of collective worldwide public STEM activities, like ISCSMD

# Tokyo Protocol



**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 promoting scientifically literate societies and participatory education, empowering and inspiring people of all ages in science on their lives. Since 1996, leaders of the field have convened, reaffirming these commitments in two formal and Cape Town). These congresses provided the basis for the Science Centre World Summit (SCWS2014) in Maastricht, the comprehensive Maastricht Declaration of principles and its endorsement of public engagement for a better world.

At the convening of the second Science Centre World Summit (SCWS2017) in Tokyo, Japan, parties recognize the importance of applying the principles of the Maastricht Declaration in strengthening public engagement in global sustainability issues and its role for the field.

**The Parties to this Protocol:**  
Recognizing the Sustainable Development Goals (SDGs) in the United Nations (UN) in 2015 are a global in scope and impact, and recognizing that science, technology, engineering and mathematics (STEM) is critical to meet these challenges and that STEM is universal in scope and cultures, and emphasizing that public engagement and action is key to achieving the SDGs, and endorsing the commitments and achievements to date of local organizations worldwide to achieve these goals for a better world on the planet.

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Taking into account that everyone must play a part in addressing the SDGs and that these will be fulfilled by individuals in communities throughout the world.

Recognizing as well that the rapid pace of change in the scientific, technological, demographic and social challenges and new opportunities for collective action is influencing more than 310 million visitors and participants raising awareness and helping all members of society to find solutions achievable to meet these goals for our planet and our future.

Expressing confidence that science centres and science museums are responsive to rapid changes and believing in their vision on their roles in the ever-changing society.

Declaring that science centres and science museums are committed, and prepared to address these increasingly complex challenges.

**Have agreed as follows**

**General Provision**  
This Protocol stands as a fully endorsed supplement to the Maastricht Declaration of principles and its endorsement of public engagement in global sustainability issues and its role for the field.

**We will**

1. Investigate how to engage more effectively and increasingly diverse audiences, and find differences in engagement
2. Continue taking actions that have a positive impact on society everywhere more aware of the role of science and technology for the sustainable development

 SCWS 2017

3. Draw the attention of decision makers and the media of public engagement with science and high profile global activities
4. Endeavour to leverage the position of science centres to introduce the public to new technological and scientific, and to broaden the potential use of it
5. Take the lead in developing the best methods for optimizing their education in both formal and informal appropriate technologies in widely varying contexts
6. Engage the public more directly with research, to help empower people, broaden attitudes and of universities and research institutions it relevant social concerns on a global scale
7. Work together in a creative celebration of the Science Year 2018, encouraging people through in shared experiences relating to science and tech

**Statement of Purpose**  
The purposes of this Protocol are therefore to

1. Recognize and utilize science centres and science museums to help various relevant stakeholders better understanding of the challenges of realizing the SDGs everywhere
2. Bring to the attention of the decision makers world-wide accomplishments of the science centres and science museums in relation to the SDGs consistent with the relevant Maastricht Declaration

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**With Actions Set Forth:**  
The Parties to this Protocol will endeavour to –

1. Give priority consideration to the impact of expanding public awareness of, and engagement with the SDGs.
2. Undertake actions relevant and appropriate to the SDGs, with consideration for the SDGs.
3. Serve as platforms for discourse and action in society on these critical issues - bring voices, whether they are heard or not, long-standing traditions or fashioned in the rapid pace of change.
4. Establish new and strengthen existing collaborations with other organizations and a commitment of science centres and science museums and engagement beyond formal and SDGs.
5. Enhance and incorporate the contribution of science centres and science museums to progress in meeting the SDGs.
6. Serve as trusted links and valued community members in contributing to the SDGs.
7. Support advancement in the member, capabilities and science museums, progress in meeting the SDGs.
8. Accept the responsibility to serve as a platform for understanding and coordinated actions through the world by promoting dialogue, distinguishing fact from belief, fostering awareness, and sharing in the SDGs as foundations on which to grow a better world.
9. Support the organisation of collective world-wide activities wherever possible, to include obtain international science centres and science museums intent of action item #7 of the Maastricht Declaration scope from an international year to an annual event.

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**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 17<sup>th</sup> June, 2017

 <b>Lili Ting</b> President Asia Pacific Network of Science & Technology Centres (ASPAC)	 <b>Luisa Massarani</b> Director Latin American and Caribbean Network for the Popularization of Science and Technology (RedPOP)
 <b>Linda Conlon</b> Chair Association of Science – Technology Centres (ASTC)	 <b>Sawsan Dajani</b> President North Africa and Middle East Science centres network (AMES)
 <b>Michel Buchel</b> President Euro - European network of science centres and museums	 <b>Mordul Mnguni</b> Chair Southern African Association of Science & Technology Centres (SAASTEC)

 SCWS 2017



# President: Tit Meng Lim





# Chair: Guy Labine



# Director: Maissa Azab







**Tokyo Protocol**  
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**The Parties to this Protocol:**  
Recognizing the Sustainable Development Goals (SDGs) in Nations (UN) in 2015 are a global in scope and impact, recognizing that science, technology, engineering and mathematics (STEM) is critical to meet these challenges and that STEM is universal and cultures,  
Emphasizing that public engagement and action is key to achieving the SDGs,  
Endorsing the commitments and achievements to date of local organizations worldwide to achieve these goals for a better world on the planet.

**Taking into account that everyone must play a part to be addressed by the SDGs and that these will be fulfilled by individuals in communities throughout the world.**  
Recognizing as well that the rapid pace of change in the scientifically, technologically, demographically and socio-economic challenges and new opportunities for collective action is **Acknowledging that nearly 3000 science centres and science museums influence more than 310 million visitors and participants raising awareness and helping all members of society to solutions achievable to meet these goals for our planet and Case Town). These congresses provided the basis Science Centre World Summit (SCWS2014) in Maastricht comprehensive Maastricht Declaration of principles and to enhance public engagement for a better world.**  
**Expressing confidence that science centres and science museums are committed, and prepared to address these increasingly important role for the field.**

**Have agreed as follows**  
**General Provision**  
This Protocol stands as a fully endorsed supplement to the Declaration opened for signature on 10 March, 2014 at the Science Centre World Summit in Maastricht, Belgium and framework with the following seven action points.

**We will**

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

**3. Draw the attention of decision makers and the media of public engagement with science and such high profile global activities**

4. Endeavour to leverage the position of science centres to introduce the public to new technological and technological, and to broaden the potential use of it
5. Take the lead in developing the best methods for optimizing their education in both formal and / or appropriate technologies in widely varying contexts
6. Engage the public more directly with research, to help empower people, broaden attitudes and of universities and research institutions it relevant / social concerns on a global scale
7. Work together in a creative celebration of the Centre Year 2018, encouraging people throughout in shared experiences relating to science and such

**Statement of Purpose**  
The purposes of this Protocol are therefore to

1. Recognize and utilize science centres and science museums to help various relevant stakeholders better understanding of the challenges of realizing the SDGs diverse opportunities.
2. Bring to the attention of the decision makers world accomplishments of the science centres and science museums to the SDGs consistent with the relevant action points of the Maastricht Declaration

**With Actions Set Forth:**  
The Parties to this Protocol will endeavour to –

1. Give priority consideration to the impact of public engagement with science and such high profile global activities
2. Undertake actions relevant and appropriate to the needs of the SDGs
3. Serve as platforms for discourse and action in society on these critical issues - bring voices, whether they are heard or not, long-standing traditions or fashioned in the rapid pace of change
4. Establish new and strengthen existing collaborations with other organizations and a commitment of science centres and science museums and engagement beyond formal and / or social concerns on a global scale
5. Enhance and incorporate the contribution of science centres and science museums to progress being made and the challenges across research community worldwide in contributing to the SDGs
6. Serve as trusted links and valued community members in contributing to the SDGs
7. Support advancement in the member, capabilities and science museums, progress in meeting the SDGs
8. Accept the responsibility to serve as a platform for discourse and action in society on these critical issues - bring voices, whether they are heard or not, long-standing traditions or fashioned in the rapid pace of change
9. Support the organization of collective world events, where possible, to include obtain international science centres and science museums intent of action item #7 of the Maastricht Declaration scope from an international year to an annual event

**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 the date 17<sup>th</sup> June, 2017

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**Michiel Buchel**  
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Southern African Association of Science & Technology Centres (SAASTEC)

**SCWS 2017**  
SCIENCE CENTRE WORLD SUMMIT 2017  
10-12 MARCH 2017  
MIRAIKAN