

# The role of IIASA in science diplomacy

*Dr Jan Marco Müller*

*Head of Directorate Office  
Coordinator for Science to Policy  
and Science Diplomacy*

# The three strands of science diplomacy

- **Diplomacy for Science**  
(= nations supporting international science projects)
- **Science for Diplomacy**  
(= science helping relations between nations)
- **Science in Diplomacy**  
(= science providing advice to foreign policy;  
note: this is a subset of “science for policy”)

*New frontiers in science diplomacy, AAAS/Royal Society 2010*

# IIASA is a child of *diplomacy for science*



## CHARTER OF THE INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS

### PREAMBLE

The Academy of Sciences, Union of Soviet Socialist Republics;  
The Committee for the International Institute for Applied  
Systems Analysis, Canada;  
The Committee for the International Institute for Applied  
Systems Analysis of the Czechoslovak Socialist Republic;  
The French Association for the Development of Systems  
Analysis, France;  
The Academy of Sciences of the German Democratic  
Republic;  
The Japan Committee for the International Institute for  
Applied Systems Analysis;  
The Max Planck Society for the Advancement of Sciences,  
Federal Republic of Germany;



1972



## *Preamble of the IIASA Charter:*

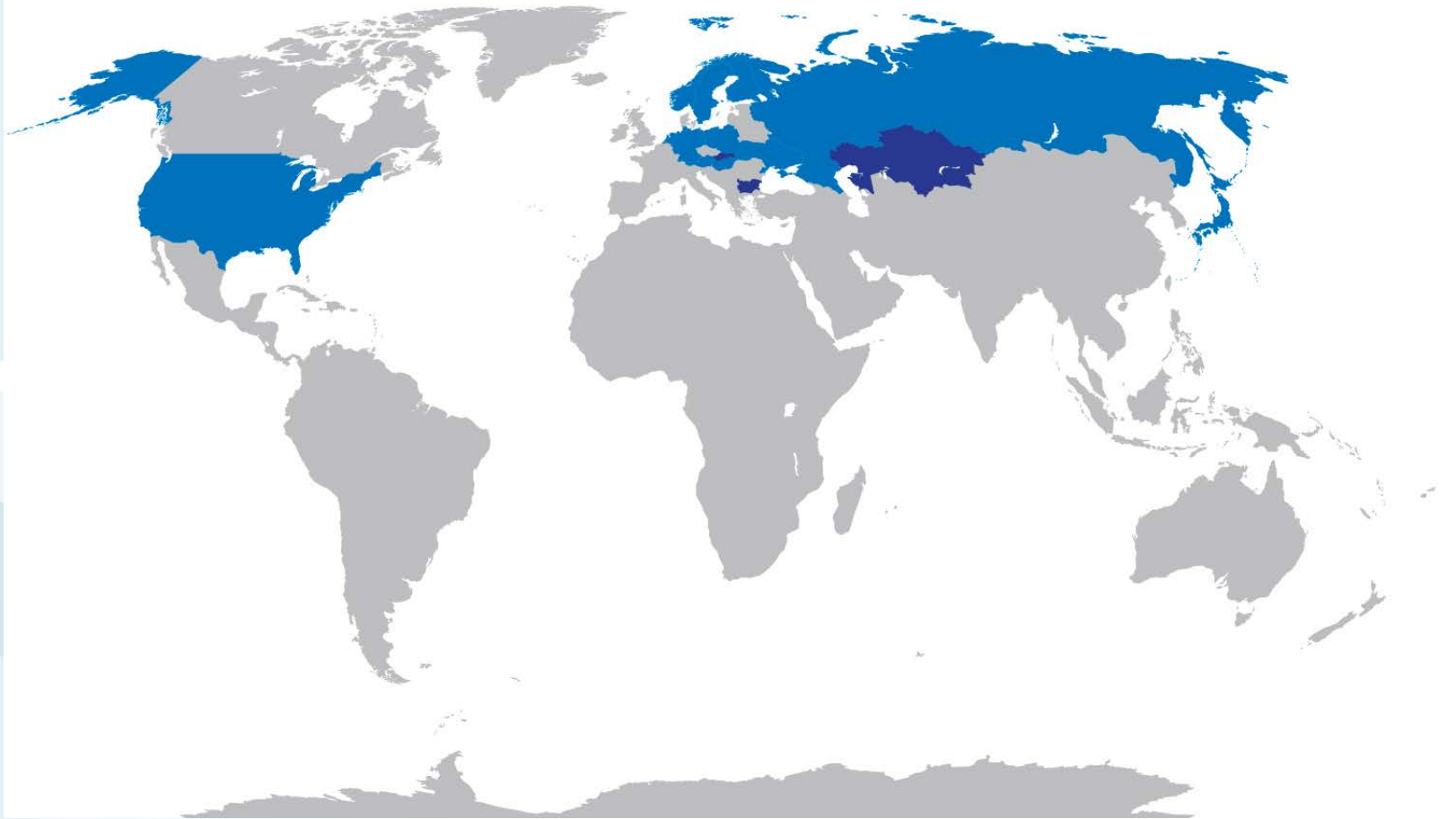
*"....Convinced that science and technology, if wisely directed, can **benefit all mankind**,*

*Believing that **international co-operation** between national institutes **promotes co-operation between nations** and so the **economic and social progress of peoples**;*

*Hereby resolve to establish an International Institute for Applied Systems Analysis."*



# Historical focus: East - West



2000: 12 National Member Organizations (NMOs)  
+ 3 affiliate NMOs (= Global North)

# IIASA's Impact: 1972-1989

Researchers  
from Canada,  
France, Italy,  
West Germany,  
Japan, UK and  
USA



Researchers  
from Bulgaria,  
Czechoslovakia,  
East Germany,  
Poland, and  
USSR

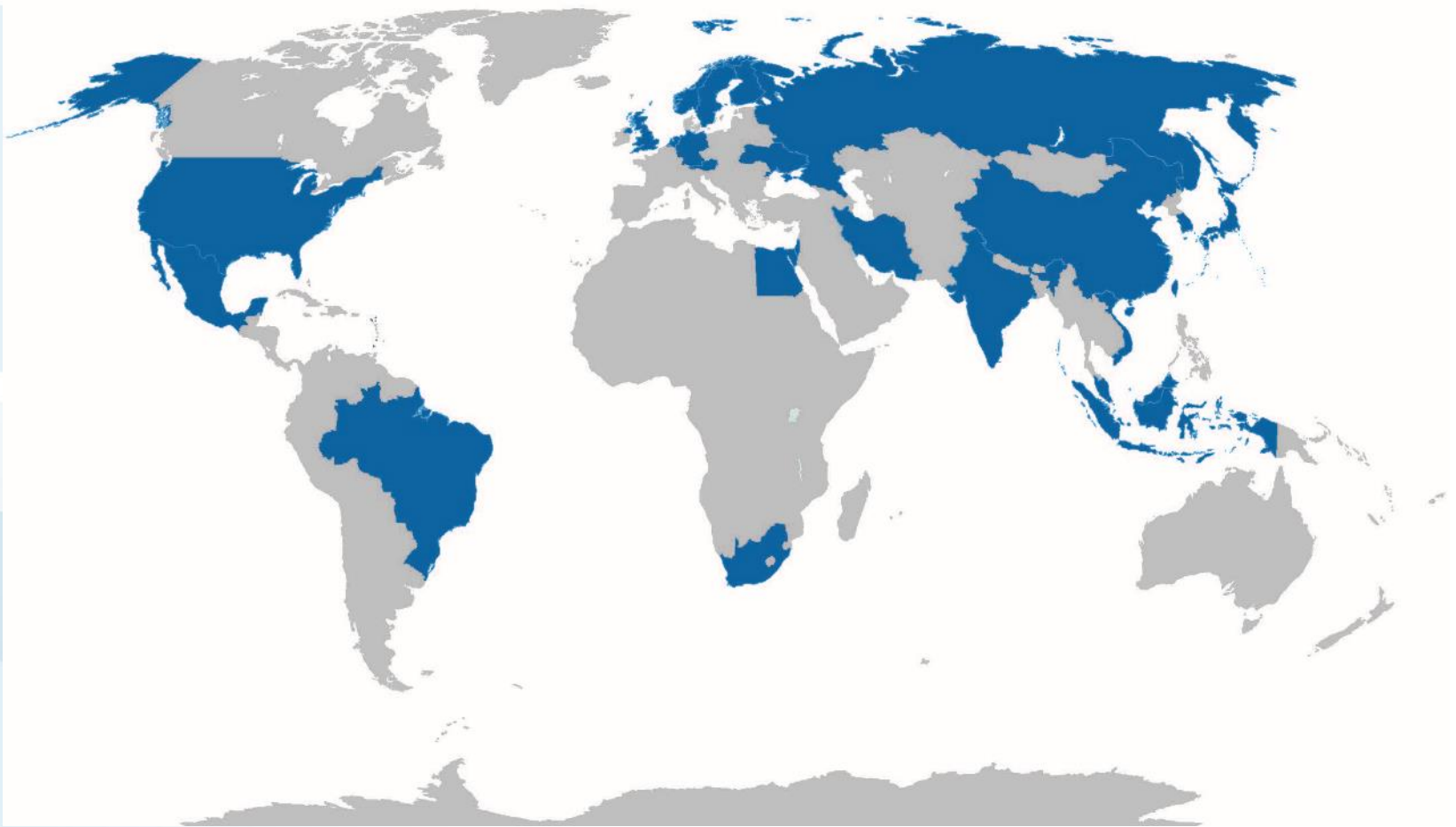


Firsts include:  
Global energy  
assessment  
International  
assessment of climate  
change  
National water policies

# Thawing of the Cold War...



# Today's focus: Global



Dec 2017: 23 National Member Organizations  
(Global North and Global South)



# International collaborations (2015)

562 publications, incl. 315 peer-reviewed articles



1014 authors from  
462 institutions in 50 countries



562 publications, incl. 315 peer-reviewed articles



1014 authors from  
462 institutions in 50 countries

# 2018 - global fragmentation continues...

## A need for bridging new divides



*Science for diplomacy:*  
IIASA continues to build bridges  
between people and nations, including  
those with special relations

USA – Russia  
Russia – Ukraine  
USA – Iran  
Iran – Israel  
Israel – Egypt  
Korea – Japan  
Finland – Russia

...

USA – Mexico  
China – Japan  
Japan – Russia  
China – Vietnam  
USA – Vietnam  
Germany – Israel  
...



# SUSTAINABLE DEVELOPMENT GOALS





# Science *in* Diplomacy:

Diplomatic interests can be categorized as follows (according to Sir Peter Gluckman):

- **Global interests**  
(Interest in the planet / the well-being of humanity as a whole)
- **Common interests**  
(shared / joined interest of a group of countries)
- **Direct national interests**  
("selfish" interests of a nation)

# Science *in* Diplomacy: Global interests

- SDGs (incl. climate action)
  - e.g. The World in 2050, FABLE project
- Ungoverned spaces (Oceans, Polar zones, Outer Space, Internet)
  - e.g. Arctic Futures Initiative
- New technologies that avoid jurisdictional control (e.g. blockchain, artificial intelligence)
  - e.g. Transitions to New Technologies Program

# Science *in* Diplomacy:

## Common interests

- Resource management (e.g. trans-boundary resource issues, conservation/environmental management, biosecurity)
  - e.g. Integrated Solutions for Water, Energy and Land (ISWEL), Haze in SE-Asia
- Joint political / socio-economic / cultural interests
  - e.g. Eurasian Economic Integration Futures Initiative
- Crisis and disaster management
  - e.g. Risk & Resilience Program

# Science *in* Diplomacy:

## Direct national interests

- Voice / influence / soft power / reputation (bilateral relations, projection, development assistance)
  - Security (emergencies, technical aspects of treaties, tension resolution, threats incl. cyber)
  - Economic (trade, standards and definitions)
  - National needs and capability (technical capabilities, access to knowhow, develop domestic STI)
- Cooperation with National Member Organizations



# Science *in* Diplomacy:

## IIASA's foreign policy partners

- Global interests
  - UN bodies (FAO, UNEP, UNIDO, etc.), OECD
- Common interests
  - Regional bodies (EU, OSCE, EAEU, AU, ASEAN, etc.), some national governments
- Direct national interests
  - Foreign / trade / development aid ministries

*Note: IIASA also works with other national portfolio ministries beyond foreign relations (environment, energy, finance, planning commissions, etc.), but this is science to policy, not science diplomacy*

## Science Diplomacy

Science cooperation is a fantastic way to developing links of all kinds (human, political, business oriented...), and maintaining them when other kinds of direct relations are difficult (cf. Iran).



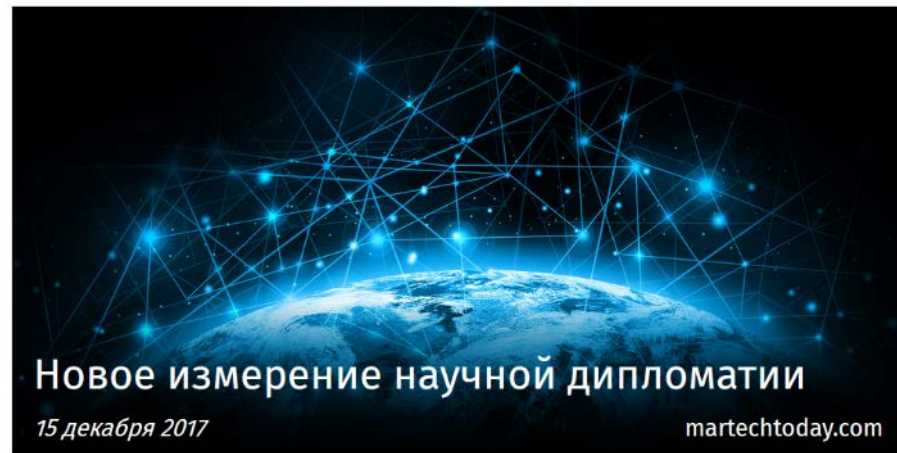
## Diplomatie scientifique

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### À LA UNE

#### Les travaux de scientifiques argentines récompensés par le prix l'Oréal-UNESCO « Pour les femmes et la science »

Le prix l'Oréal-UNESCO est un prix scientifique qui a pour vocation de mettre en avant les talents féminins dans un domaine où elles sont encore trop peu



0 комментарии

4698 просмотры

В ридер

Распечатать

A+ A- 🔊



DIPNOTE  
U.S. Department of State Official Blog

### 7 Highlights from 2017

in U.S. Environment and Science Diplomacy



# Science diplomacy: Why IIASA? (1)

- Scientific excellence and reputation providing systemic solutions
- Mandate to tackle complex challenges no single country can solve
- IIASA membership represents 75% of the global economy and 60% of the global population
- IIASA is perceived as a neutral and independent honest broker and thus has convening power

## Science diplomacy: Why IIASA? (2)

- Due to its genesis IIASA is perceived to be part of the diplomatic world (“Stallgeruch”) and is embedded into the Vienna diplomatic hub
- Long-lasting cooperations / excellent relations with international organizations at both working floor and leadership levels
- IIASA is well connected to the key players (e.g. Foreign Ministries S&T Advisors)





# Science & art is a powerful tool for science diplomacy

CONCERT  
FOR A  
SUSTAINABLE  
PLANET



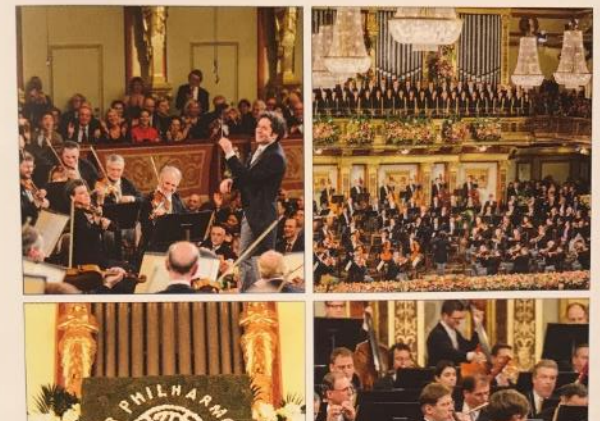
September 18, 2017  
7:30pm  
Carnegie Hall, New York, USA

IIASA  
International Institute for  
Applied Systems Analysis  
www.iiasa.ac.at



THE ART OF SYSTEMS ANALYSIS:  
HOW CAN ARTISTS SUPPORT  
TRANSFORMATIONS TO SUSTAINABILITY?

## Goodwill Ambassador for IIASA: Vienna Philharmonic



2018  
Neujahrskonzert  
NEW YEAR'S  
CONCERT  
Vienna Philharmonic  
Riccardo Muti



CD 1  
JOHANN STRAUSS II  
1. *Der Eisenbarren*: Einzugsmarsch  
*The Iron Barren*: Entrance March  
JOSEF STRAUSS  
2. *Wiener Preken* Walzer op. 240\*  
Viennese Preaching  
JOHANN STRAUSS II  
3. *Brautenschau* Polka frangente op. 417\*  
Bridal Parade  
4. *Leichtes Blut* Polka schnell op. 319  
Light of Heart  
JOHANN STRAUSS I  
5. *Marienzwitzer* op. 212\*  
Maria Walz  
6. *Wilhelm Tell* Galopp op. 250\*  
FRANZ VON SUPPÉ  
7. *Baccarolo*: Ouvertüre\*  
JOHANN STRAUSS II  
8. *Myrthenblüten* Walzer op. 365\*  
Myrtle Blossoms  
ALFONS CZIBULKA  
9. *Stephanie-Gavotte* op. 312\*  
\* Premiere bei einem Neujahrskonzert der  
Wiener Philharmoniker  
First performance at a New Year's Concert  
of the Vienna Philharmonic  
Live Recording from the Vienna Musikverein

CD 2  
JOHANN STRAUSS II  
1. *Freikugeln* Polka schnell op. 326  
Magic Balls  
2. *Geschichten aus dem Wienerwald*  
Waltzes op. 355 \* *Miles from the Vienna Woods*  
3. *Festmarsch* op. 432  
Festival March  
4. *Stadt und Land* Polka Mazurka op. 392  
Town and Country  
5. *Unheimliche Maschere* Quadrille op. 272  
Eerie Masked Ball  
6. *Rosen aus dem Wiener Wald* op. 388  
Roses from the Vienna Woods  
JOSEF STRAUSS  
7. *Eingesender* Polka schnell  
Letter to the Editor  
*Zugaben - Duets*  
JOHANN STRAUSS II  
8. *Unter Donner und Blitz* Polka schnell op. 324  
Thunder and Lightning  
9. *Neujahrsgruß* - *New Year's Address*  
10. *An der schönen blauen Donau* Walzer op. 314  
The Blue Danube  
JOHANN STRAUSS I  
11. *Radetzky* Marsch op. 228  
Radetzky March

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**Thank you for your attention!**