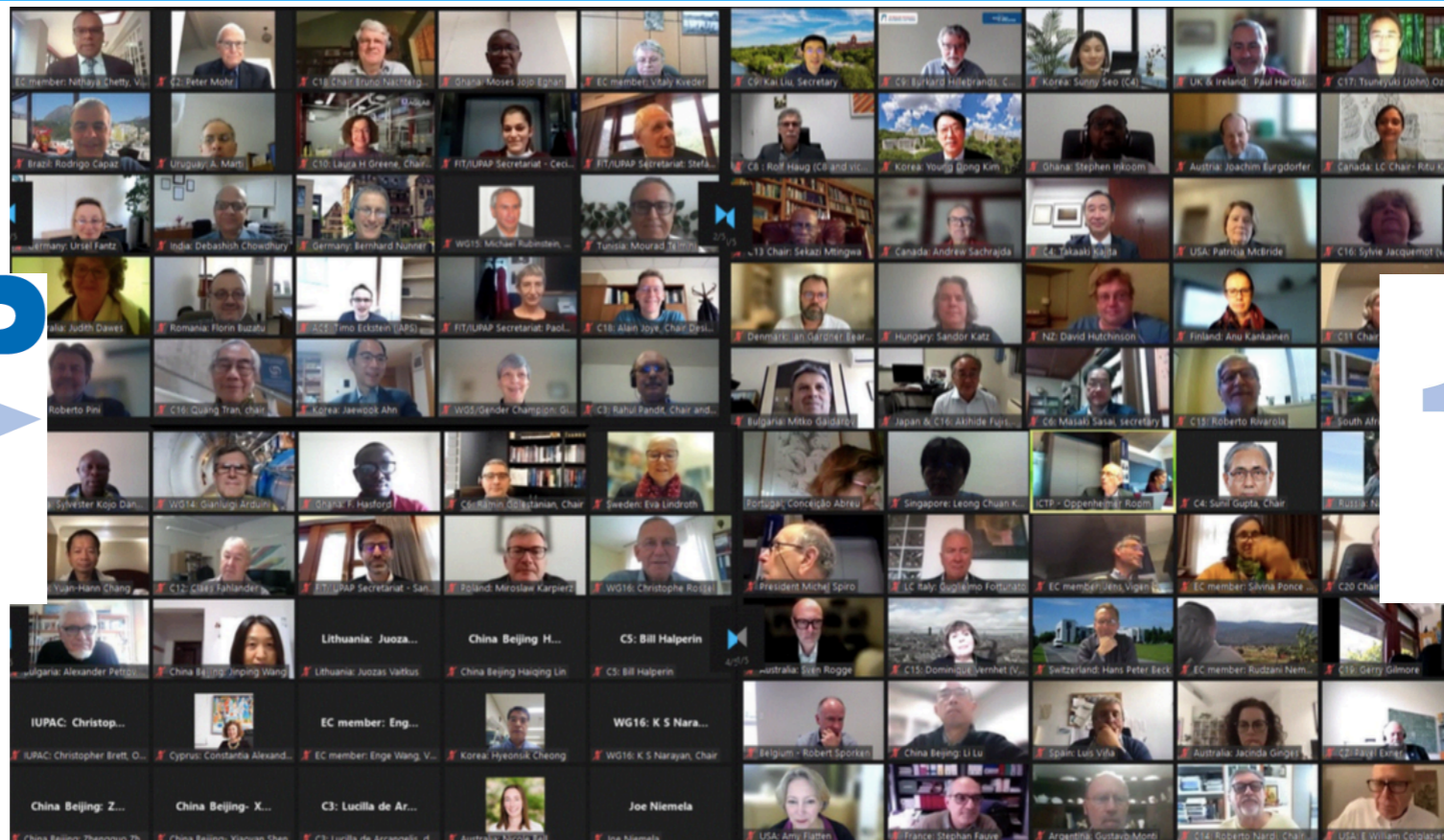


100 years of existence of the International Union of Pure and Applied Physics, IUPAP



Silvina Ponce Dawson

University of Buenos Aires and CONICET, Argentina

President Designate, IUPAP





International Union of Pure and Applied Physics

<https://iupap.org/>



International Union of Pure and Applied Physics

<https://iupap.org/>

IUPAP is the only global international Scientific Union dedicated to all areas of physics.



International Union of Pure and Applied Physics

<https://iupap.org/>

IUPAP is the only global international Scientific Union dedicated to all areas of physics.

It is run by physicists from all fields and continents



International Union of Pure and Applied Physics

<https://iupap.org/>

IUPAP is the only global international Scientific Union dedicated to all areas of physics.

It is run by physicists from all fields and continents

Mission: To assist in the worldwide development of physics, to foster international cooperation in physics, and to help in the application of physics toward solving problems of concern to humanity



A little bit of history



A little bit of history

1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).



A little bit of history

1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).

1922: Creation of an International Physics Union, IUPAP



A little bit of history

1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).

1922: Creation of an International Physics Union, IUPAP

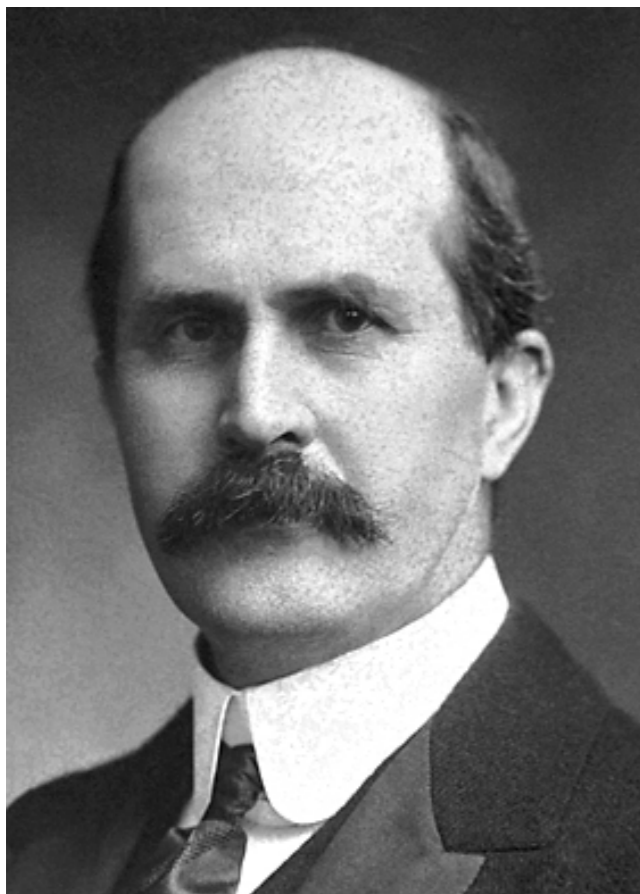
Initially, **13 country members:** Belgium, Canada, Denmark, France, Holland, Japan, Norway, Poland, Spain, Switzerland, UK, USA, Union of South Africa.

A little bit of history

1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).

1922: Creation of an International Physics Union, IUPAP

Initially, **13 country members:** Belgium, Canada, Denmark, France, Holland, Japan, Norway, Poland, Spain, Switzerland, UK, USA, Union of South Africa.



First IUPAP President:

William Henry Bragg (1922-1931),
Nobel Prize in Physics 1915

A little bit of history

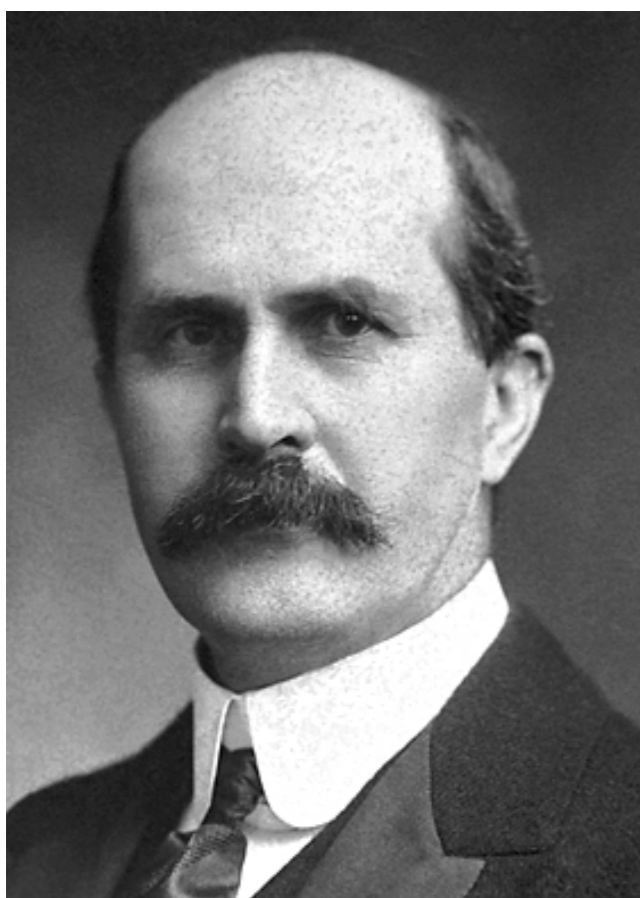
1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).

1922: Creation of an International Physics Union, IUPAP

Initially, **13 country members:** Belgium, Canada, Denmark, France, Holland, Japan, Norway, Poland, Spain, Switzerland, UK, USA, Union of South Africa.

First IUPAP President:

William Henry Bragg (1922-1931),
Nobel Prize in Physics 1915



1923: First General Assembly (in Paris) with 3 more countries: Italy, Sweden and Czechoslovakia

A little bit of history

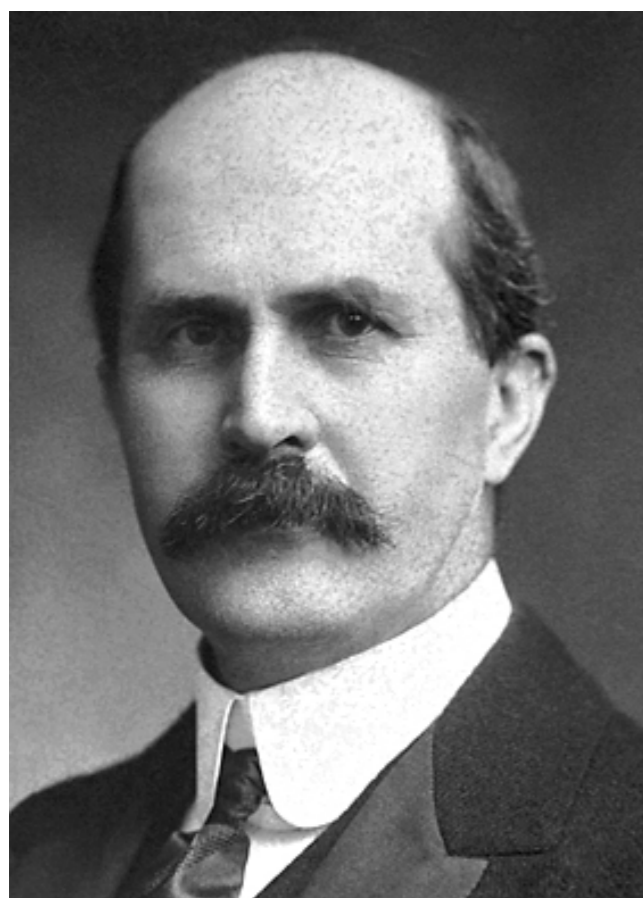
1919: Creation of the International Research Council (*to co-ordinate international efforts in the different branches of science; to form international scientific associations; to direct international scientific activity in subjects not falling within the purview of any existing association; and to enter into relation with the governments of the countries adhering to the Council in order to promote investigations falling within its competence*).

1922: Creation of an International Physics Union, IUPAP

Initially, **13 country members:** Belgium, Canada, Denmark, France, Holland, Japan, Norway, Poland, Spain, Switzerland, UK, USA, Union of South Africa.

First IUPAP President:

William Henry Bragg (1922-1931),
Nobel Prize in Physics 1915



1923: First General Assembly (in Paris) with 3 more countries: Italy, Sweden and Czechoslovakia

You will hear much more about the IUPAP's history during this Symposium! I rather stop here and tell you more about the present.

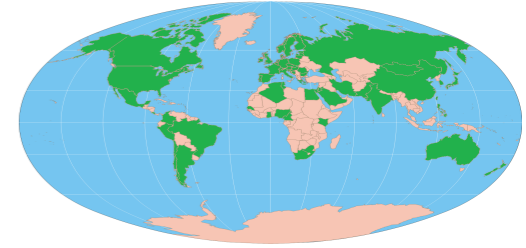


Where do we stand now?



Where do we stand now?

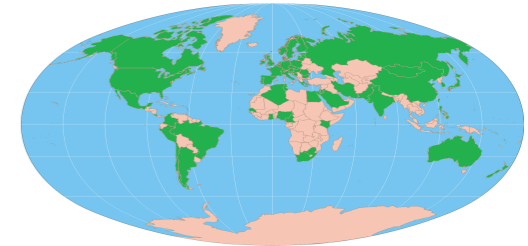
We now have over 60 **territorial members** representing identified physics communities from all over the world.





Where do we stand now?

We now have over 60 **territorial members** representing identified physics communities from all over the world.

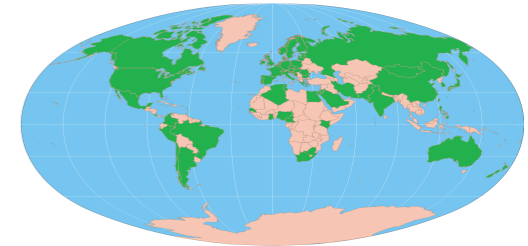


At our last General Assembly (October 2021) we approved a new set of Articles and Regulations that introduced a new type of membership, **Corporate Associate Member**, to reach out to physicists working outside academia and liaise with companies, large scientific facilities and/or other organizations with interest in physics.



Where do we stand now?

We now have over 60 **territorial members** representing identified physics communities from all over the world.



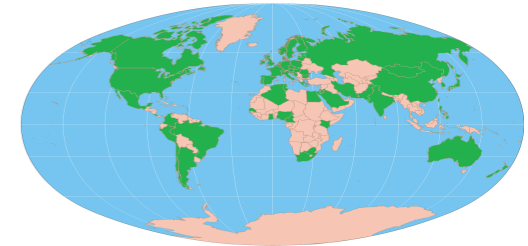
At our last General Assembly (October 2021) we approved a new set of Articles and Regulations that introduced a new type of membership, **Corporate Associate Member**, to reach out to physicists working outside academia and liaise with companies, large scientific facilities and/or other organizations with interest in physics.

We are now discussing the possibility of creating a new type of membership for small communities from developing countries



Where do we stand now?

We now have over 60 **territorial members** representing identified physics communities from all over the world.



At our last General Assembly (October 2021) we approved a new set of Articles and Regulations that introduced a new type of membership, **Corporate Associate Member**, to reach out to physicists working outside academia and liaise with companies, large scientific facilities and/or other organizations with interest in physics.

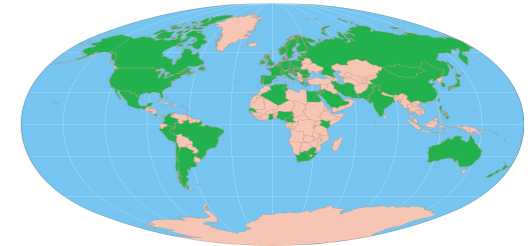
We are now discussing the possibility of creating a new type of membership for small communities from developing countries

We also have the category of **Official Observers** (to our General Assemblies and meetings) to strengthen our liaisons with regional physical societies and other international scientific organizations.



Where do we stand now?

We now have over 60 **territorial members** representing identified physics communities from all over the world.



At our last General Assembly (October 2021) we approved a new set of Articles and Regulations that introduced a new type of membership, **Corporate Associate Member**, to reach out to physicists working outside academia and liaise with companies, large scientific facilities and/or other organizations with interest in physics.

We are now discussing the possibility of creating a new type of membership for small communities from developing countries

We also have the category of **Official Observers** (to our General Assemblies and meetings) to strengthen our liaisons with regional physical societies and other international scientific organizations.

Members have voting rights at the General Assemblies, the main governing body of the Union.

Main Governing body: General Assembly, with representatives of its members

Main Governing body: General Assembly, with representatives of its members

It used to meet triennially,
in person

Main Governing body: General Assembly, with representatives of its members



It used to meet triennially,
in person

Last in person GA in Sao
Paulo, Brazil, in 2017

Main Governing body: General Assembly, with representatives of its members



It used to meet triennially,
in person

Last in person GA in Sao
Paulo, Brazil, in 2017

With the new set of Articles it now
convenes yearly (in person every
three years).

Main Governing body: General Assembly, with representatives of its members



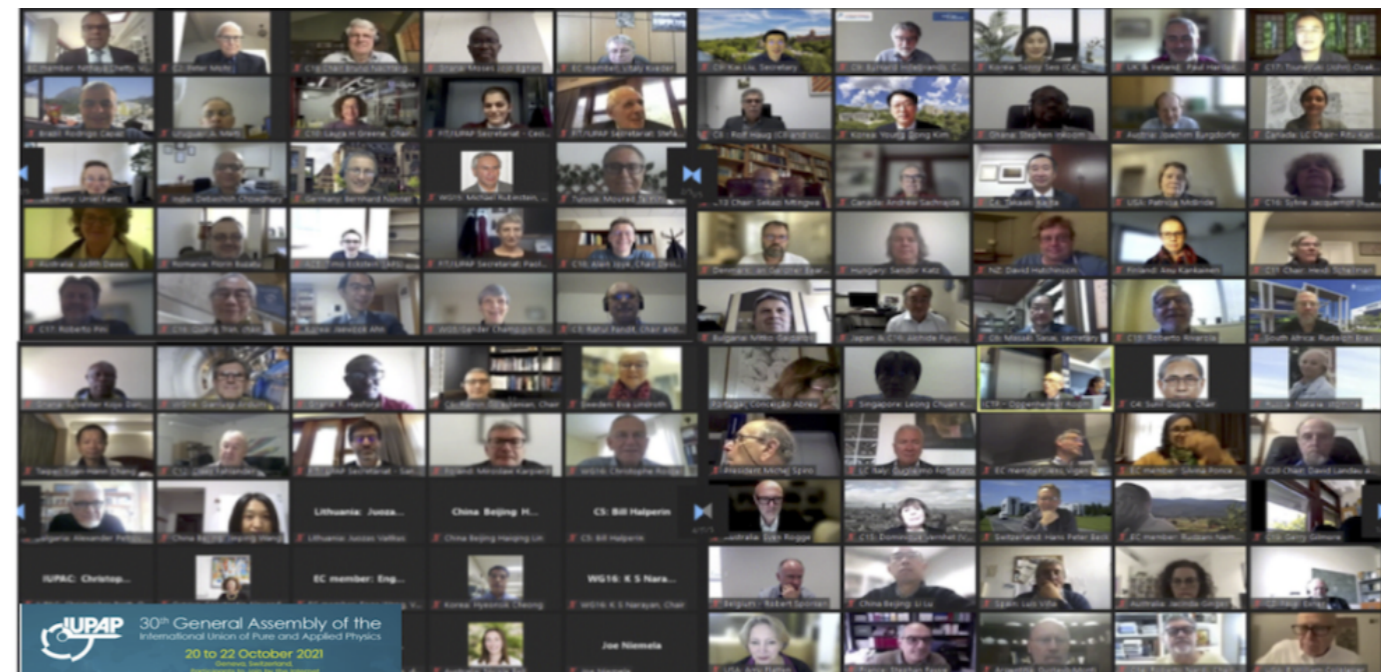
It used to meet triennially, in person

Last in person GA in Sao Paulo, Brazil, in 2017

With the new set of Articles it now convenes yearly (in person every three years).

First experience with an online GA in October 2021.

We will have a new one on July 14th



Main Governing body: General Assembly, with representatives of its members



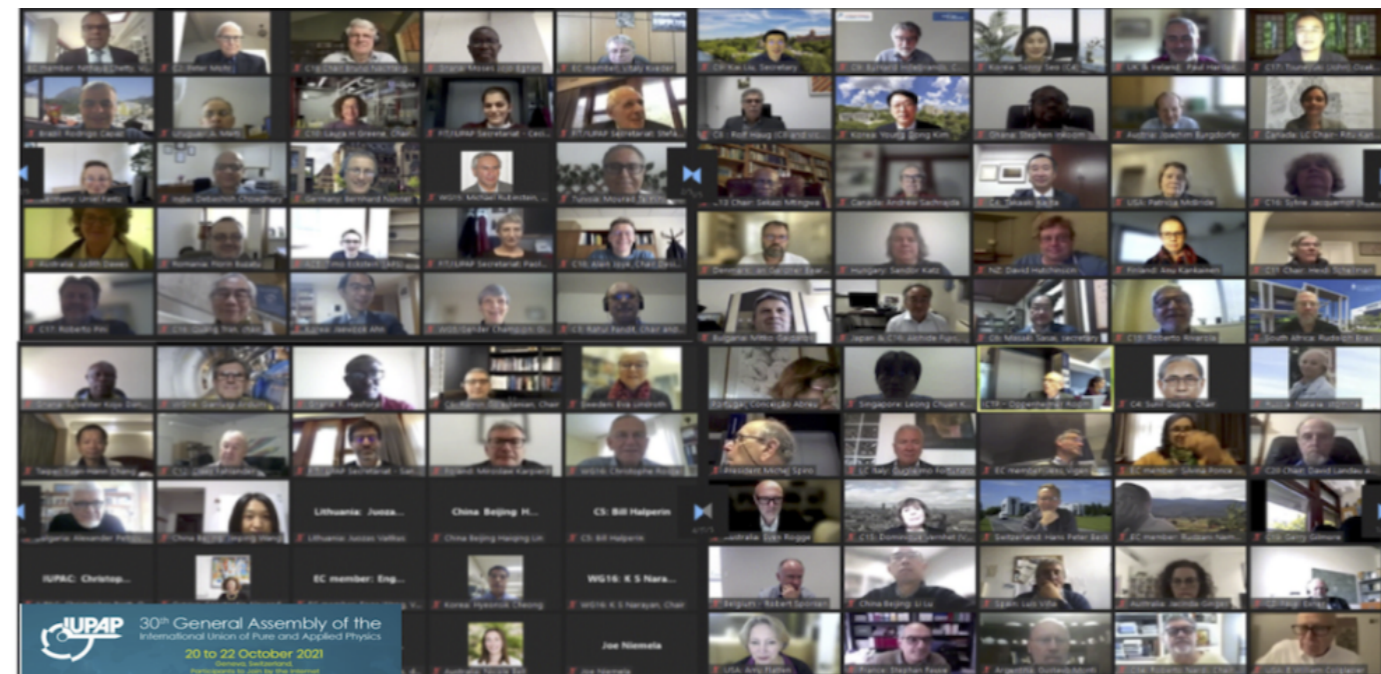
It used to meet triennially, in person

Last in person GA in Sao Paulo, Brazil, in 2017

With the new set of Articles it now convenes yearly (in person every three years).

First experience with an online GA in October 2021.

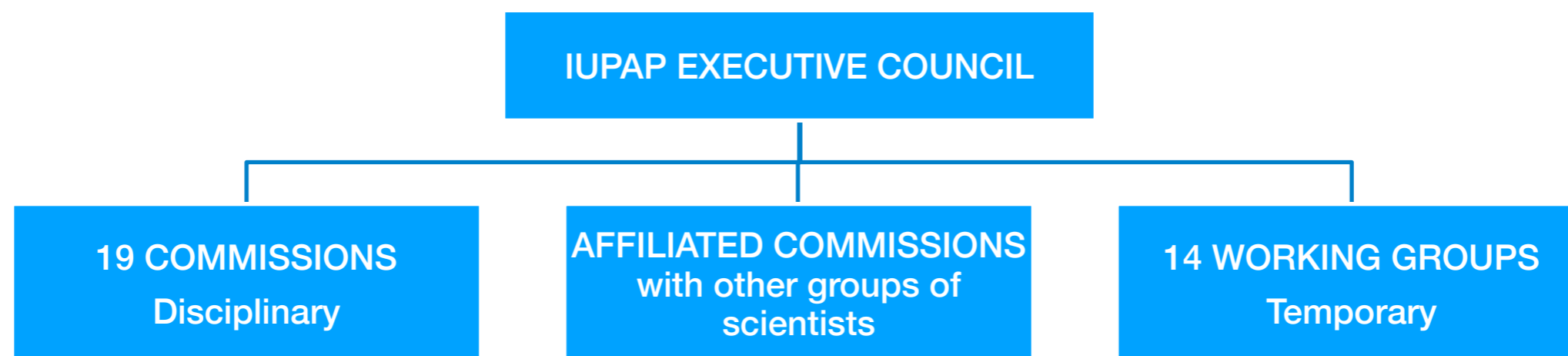
We will have a new one on July 14th



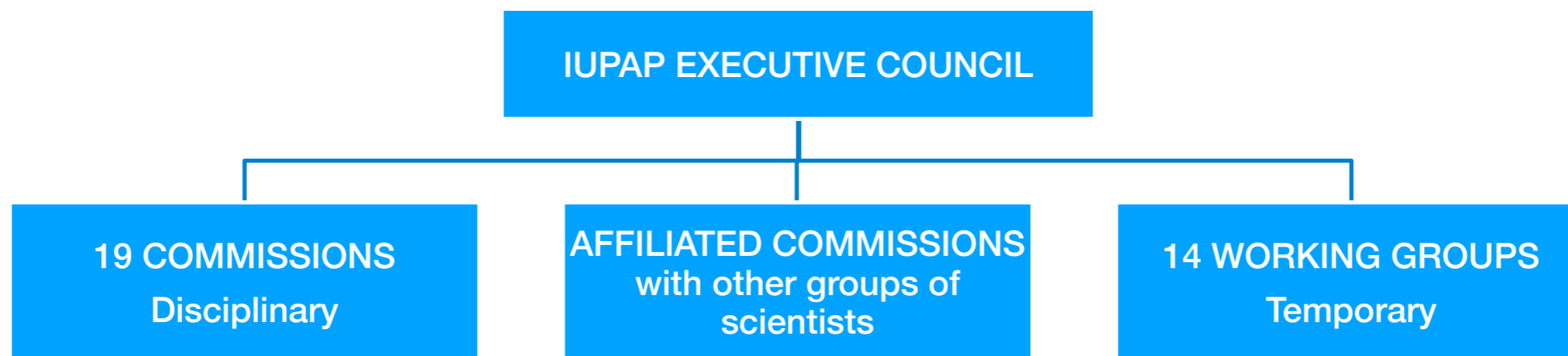
Weighted voting system for territorial members that depends on the number of shares of each member.

In between GAs, the decisions are made by the Executive Council in consultation with the chairs of the specialized commissions and affiliated commissions of the Union (more on this later):

In between GAs, the decisions are made by the Executive Council in consultation with the chairs of the specialized commissions and affiliated commissions of the Union (more on this later):

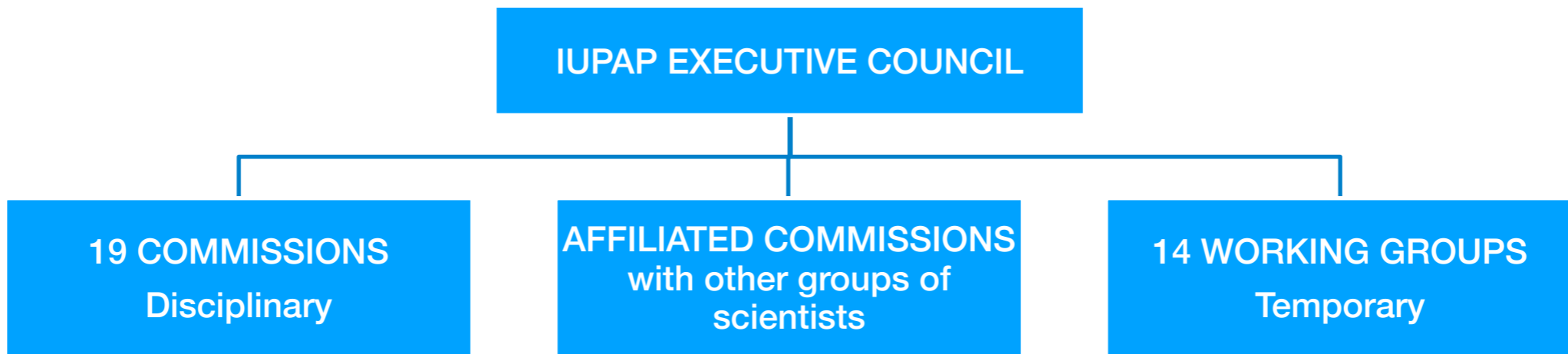


In between GAs, the decisions are made by the Executive Council in consultation with the chairs of the specialized commissions and affiliated commissions of the Union (more on this later):



EC&CC: meet at least once per year. Official observers are invited to attend.

In between GAs, the decisions are made by the Executive Council in consultation with the chairs of the specialized commissions and affiliated commissions of the Union (more on this later):



EC&CC: meet at least once per year. Official observers are invited to attend.



EC&CC meeting,
July 2022, in hybrid
format



Officers of the Executive Council (meet monthly via Zoom):

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



Bruce McKellar, Past President

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate



Jens Vigen, Secretary
General for Legal and
Financial Affairs

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



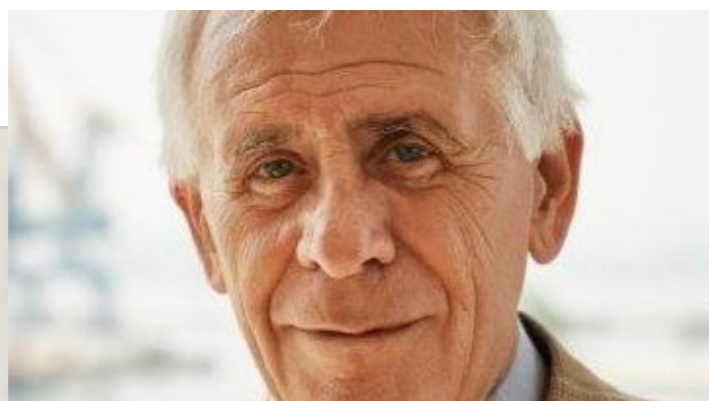
Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate



Jens Vigen, Secretary
General for Legal and
Financial Affairs



Stefano Fantoni,
Secretary General for
Administrative Affairs

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate



Jens Vigen, Secretary
General for Legal and
Financial Affairs



Stefano Fantoni,
Secretary General for
Administrative Affairs



Sandro Scandolo, Deputy
Secretary General for
Administrative Affairs

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



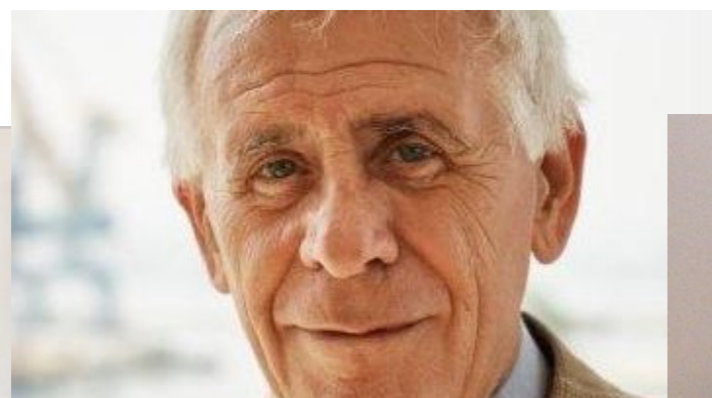
Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate



Jens Vigen, Secretary
General for Legal and
Financial Affairs



Stefano Fantoni,
Secretary General for
Administrative Affairs



Sandro Scandolo, Deputy
Secretary General for
Administrative Affairs



Rudzani Nemutudi, Associate
Secretary General

Officers of the Executive Council (meet monthly via Zoom):



Michel Spiro, President



Bruce McKellar, Past President



Silvina Ponce Dawson,
President Designate



Jens Vigen, Secretary
General for Legal and
Financial Affairs



Stefano Fantoni,
Secretary General for
Administrative Affairs



Sandro Scandolo, Deputy
Secretary General for
Administrative Affairs



Rudzani Nemutudi, Associate
Secretary General



Boris Sharkov,
Treasurer

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



Nithaya Chetty, VP
aL, Membership

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion



Ani Aprahamian,
C12. Nuclear
Physics

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



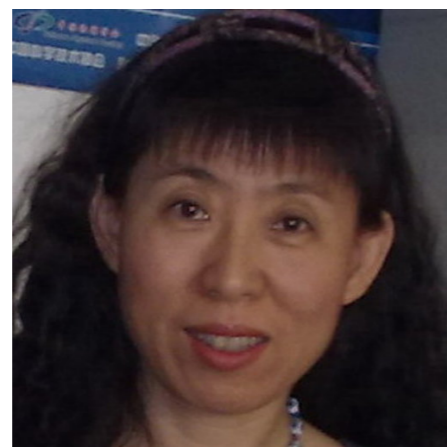
Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion



Ani Aprahamian,
C12. Nuclear
Physics



Kuijuan Jin, C13.
Physics for
Development

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



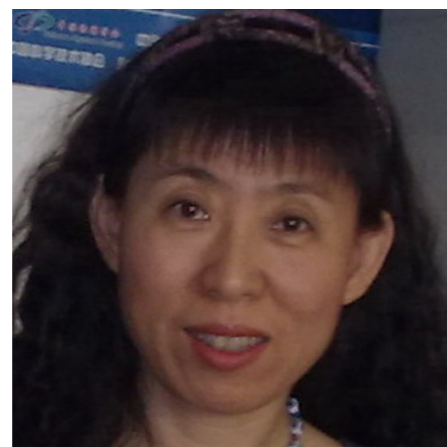
Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion



Ani Aprahamian,
C12. Nuclear
Physics



Kuijuan Jin, C13.
Physics for
Development



Takaaki Kajita,
C4. Astroparticle
Physics

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion



Ani Aprahamian,
C12. Nuclear
Physics



Kuijuan Jin, C13.
Physics for
Development



Takaaki Kajita,
C4. Astroparticle
Physics



Tae Won Noh,
C10. Structure &
Dynamics of
Condensed Matter

Other members of the Executive Council: 4 Vice-Presidents Elected at Large + 5 Vice Presidents who are elected from the Chairs of Commissions



Monica Pepe-Altarelli,
VP aL, Centenary



Laura H. Greene, VP
aL, Outreach & Ethics



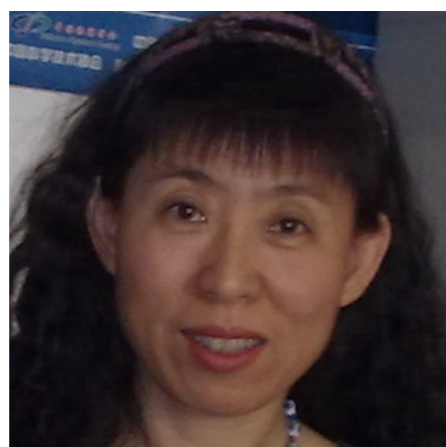
Nithaya Chetty, VP
aL, Membership



Gillian Butcher, VP aL
& Gender Champion



Ani Aprahamian,
C12. Nuclear
Physics



Kuijuan Jin, C13.
Physics for
Development



Takaaki Kajita,
C4. Astroparticle
Physics



Tae Won Noh,
C10. Structure &
Dynamics of
Condensed Matter



Tetyana
Antimirova, C14.
Physics
Education

The Secretariat for Legal and Financial Affairs is based in Geneva, Switzerland

The Secretariat for Legal and Financial Affairs is based in Geneva, Switzerland

The Secretariat for Administrative Affairs is based in Trieste (Fondazione Internazionale Trieste, FIT).

The Secretariat for Legal and Financial Affairs is based in Geneva, Switzerland

The Secretariat for Administrative Affairs is based in Trieste (Fondazione Internazionale Trieste, FIT).



Some members of the EC and Cecilia Cressi (secretariat@Trieste) at FIT, 2021

Commissions

1 commission on policy & finance and 18 others organized by subfields of physics

Commissions

1 commission on policy & finance and 18 others organized by subfields of physics

- C1: Policy & Finance
- C2: Symbols, Units, Nomenclature, Atomic Masses and Fundamental Constants
- C3: Statistical Physics
- C4: Astroparticle Physics
- C5: Low Temperature Physics
- C6: Biological Physics
- C8: Semiconductors
- C9: Magnetism
- C10: Structure and Dynamics of Condensed Matter
- C11: Particles and Fields
- C12: Nuclear Physics
- C13: Physics for Development
- C14: Physics Education
- C15: Atomic, Molecular, and Optical Physics
- C16: Plasma Physics
- C17: Laser Physics and Photonics
- C18: Mathematical Physics
- C19: Astrophysics
- C20: Computational Physics

Affiliated Commissions

Affiliated Commissions

An AC is an international group of scientists, constituted as an independent body, whose field does not coincide with that of an IUPAP Commission and which it is accepted to join IUPAP.

Affiliated Commissions

An AC is an international group of scientists, constituted as an independent body, whose field does not coincide with that of an IUPAP Commission and which it is accepted to join IUPAP.

- **AC1: International Commission for Optics**
- **AC2: International Commission on General Relativity and Gravitation**
- **AC3: International Commission for Acoustics**
- **AC4: International Commission on Medical Physics**
- **AC5: Affiliated Commission of Physics Students (IAPS); created in 2021**
- **AC6: Affiliated Commission on the History and Philosophy of Physics (with DHST/ IUHPST); created in 2021**

Working Groups

Working Groups

An international and interdisciplinary collaboration of researchers aiming to focus and develop new research fields and activities that would be difficult to resource through traditional funding programs. Established for 6 years, the GA can extend their duration.

Working Groups

An international and interdisciplinary collaboration of researchers aiming to focus and develop new research fields and activities that would be difficult to resource through traditional funding programs. Established for 6 years, the GA can extend their duration.

- **WG1: International Committee for Future Accelerators**
- **WG5: Women in Physics**
- **WG7: International Committee on Ultrahigh Intensity Lasers (ICUIL)**
- **WG9: International Cooperation in Nuclear Physics**
- **WG11: Gravitational Wave International Committee**
- **WG13: Newtonian Constant of Gravitation**
- **WG14: Accelerator Science**
- **WG15: Soft Matter**
- **WG16: Physics and Industry**
- **WG17: IUPAP's Centenary**
- **WG18: Ethics (established in 2021, still being set up)**
- **WG19: Quantum Science and Technology (established in 2021, still being set up)**

Working Groups

An international and interdisciplinary collaboration of researchers aiming to focus and develop new research fields and activities that would be difficult to resource through traditional funding programs. Established for 6 years, the GA can extend their duration.

- **WG1: International Committee for Future Accelerators**
- **WG5: Women in Physics**
- **WG7: International Committee on Ultrahigh Intensity Lasers (ICUIL)**
- **WG9: International Cooperation in Nuclear Physics**
- **WG11: Gravitational Wave International Committee**
- **WG13: Newtonian Constant of Gravitation**
- **WG14: Accelerator Science**
- **WG15: Soft Matter**
- **WG16: Physics and Industry**
- **WG17: IUPAP's Centenary**
- **WG18: Ethics (established in 2021, still being set up)**
- **WG19: Quantum Science and Technology (established in 2021, still being set up)**

WGs to come (hopefully)

- **WG on Open Science**
- **WG on Green Economy, Sustainability**
- **WG on Accessibility**

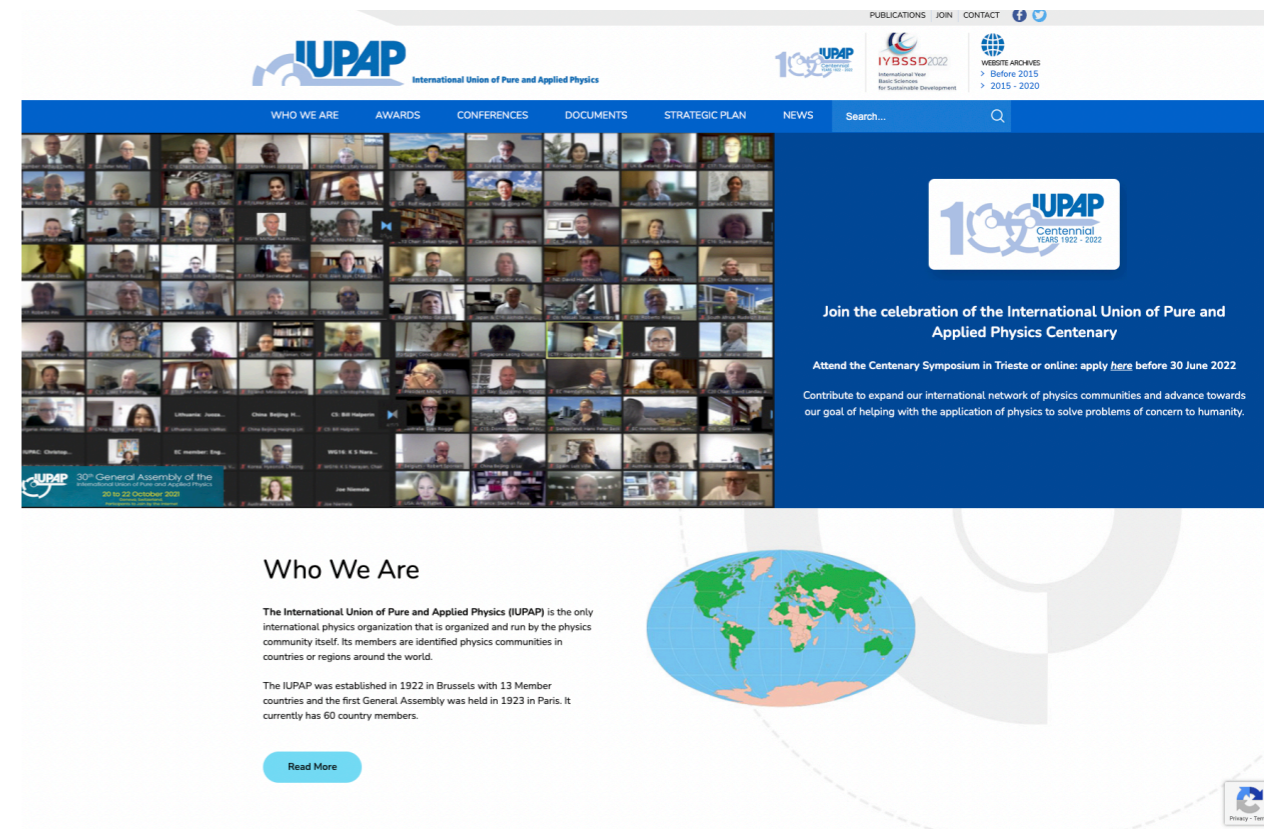


**We are starting the new century of existence of our Union with
a renovated presence online and communication scheme:**



We are starting the new century of existence of our Union with a renovated presence online and communication scheme:

New website:





We are starting the new century of existence of our Union with a renovated presence online and communication scheme:

New website:

Facebook page

in January 2022




International Union of Pure and Applied Physics - IUPAP
★ 5.0 (3) · Nonprofit Organization




Like

1,772 people like this


in July 2022

 International Union of Pure and Applied Physics - IUPAP updated their cover photo.

Jun 20 · 🌐

 IUPAP CENTENNIAL SYMPOSIUM
The International Union of Pure and Applied Physics will turn 100 years old in 20... See more



 Monica Pepe Altarelli and 21 others · 41 shares



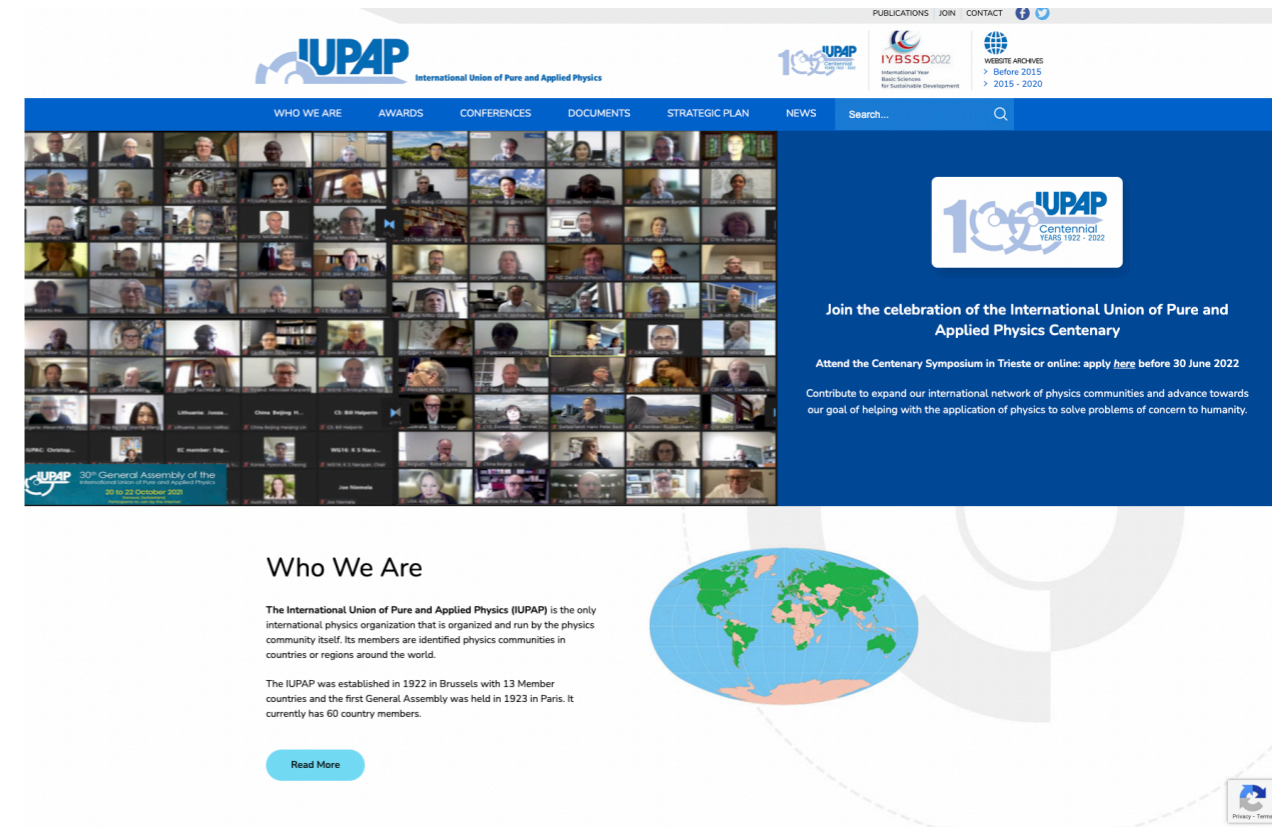
Like

Comment

Share

73,848 people reached >

Promote Page



Stronger presence on Facebook (Twitter and Instagram to come)



We are starting the new century of existence of our Union with a renovated presence online and communication scheme:

New website:

Facebook page

in January 2022



International Union of Pure and Applied Physics - IUPAP
★ 5.0 (3) · Nonprofit Organization



Like Action Button

1,772 people like this

in July 2022

International Union of Pure and Applied Physics - IUPAP updated their cover photo.

Jun 20 · 🌐

🎉 IUPAP CENTENNIAL SYMPOSIUM 🎉
The International Union of Pure and Applied Physics will turn 100 years old in 20... See more



Monica Pepe Altarelli and 21 others · 41 shares

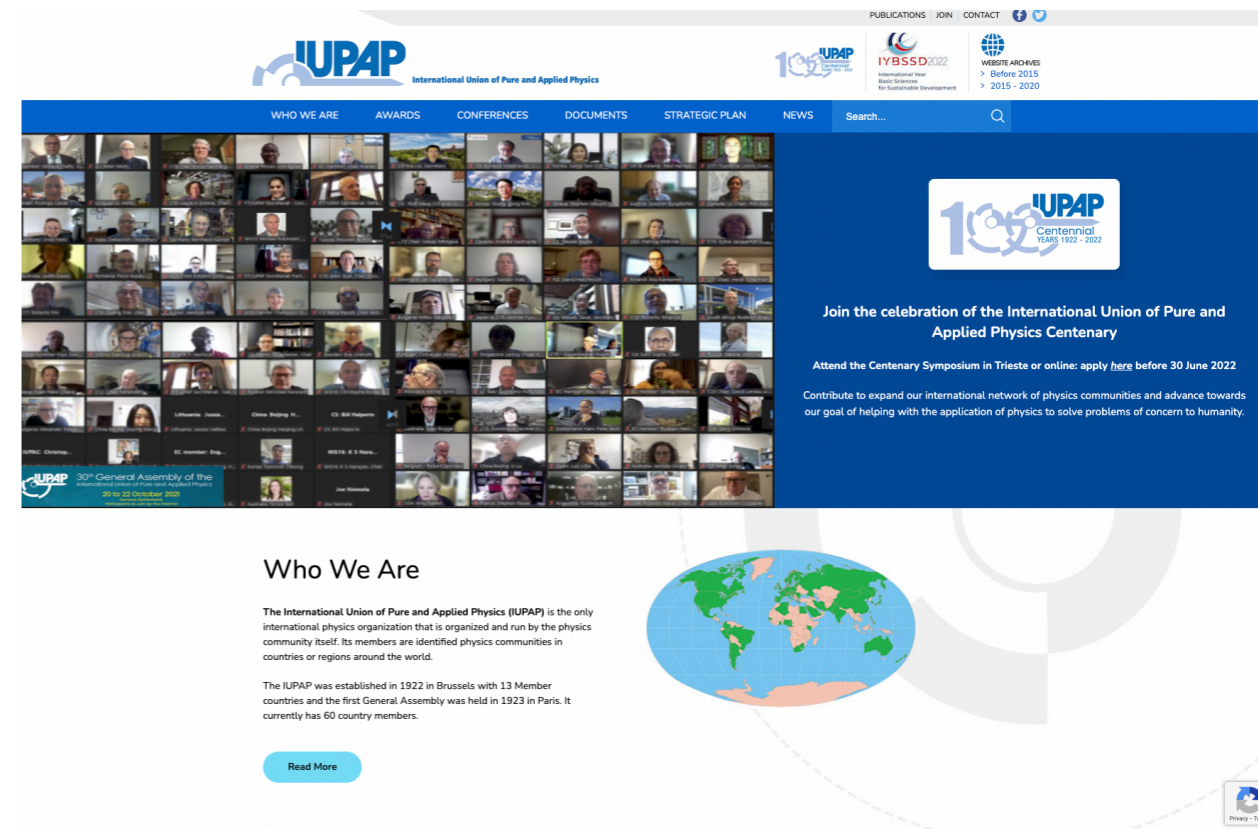


Comment

Share

73,848 people reached >

Promote Page

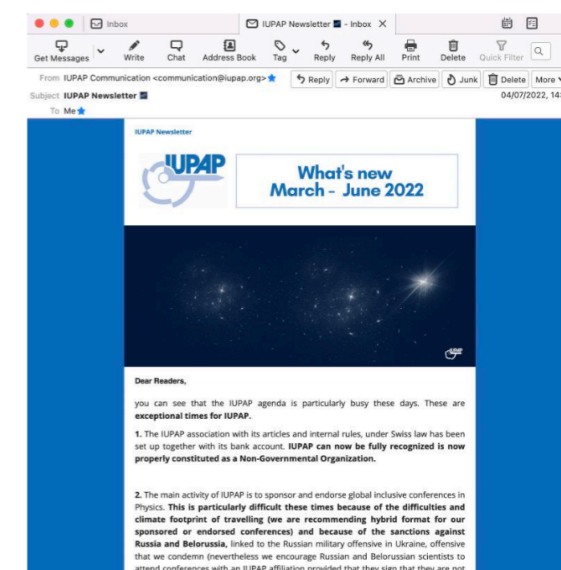


Stronger presence on Facebook (Twitter and Instagram to come)

e-Newsletter



December 2021:
last printed newsletter



March – June 2022 **e-newsletter!**



We are starting the new century of existence of our Union with a renovated presence online and communication scheme:

New website:

Facebook page

in January 2022



International Union of Pure and Applied Physics - IUPAP
5.0 (3) · Nonprofit Organization



Like

1,772 people like this

in July 2022

International Union of Pure and Applied Physics - IUPAP updated their cover photo.

Jun 20 ·

IUPAP CENTENNIAL SYMPOSIUM
The International Union of Pure and Applied Physics will turn 100 years old in 20... See more



Monica Pepe Altarelli and 21 others · 41 shares



Like



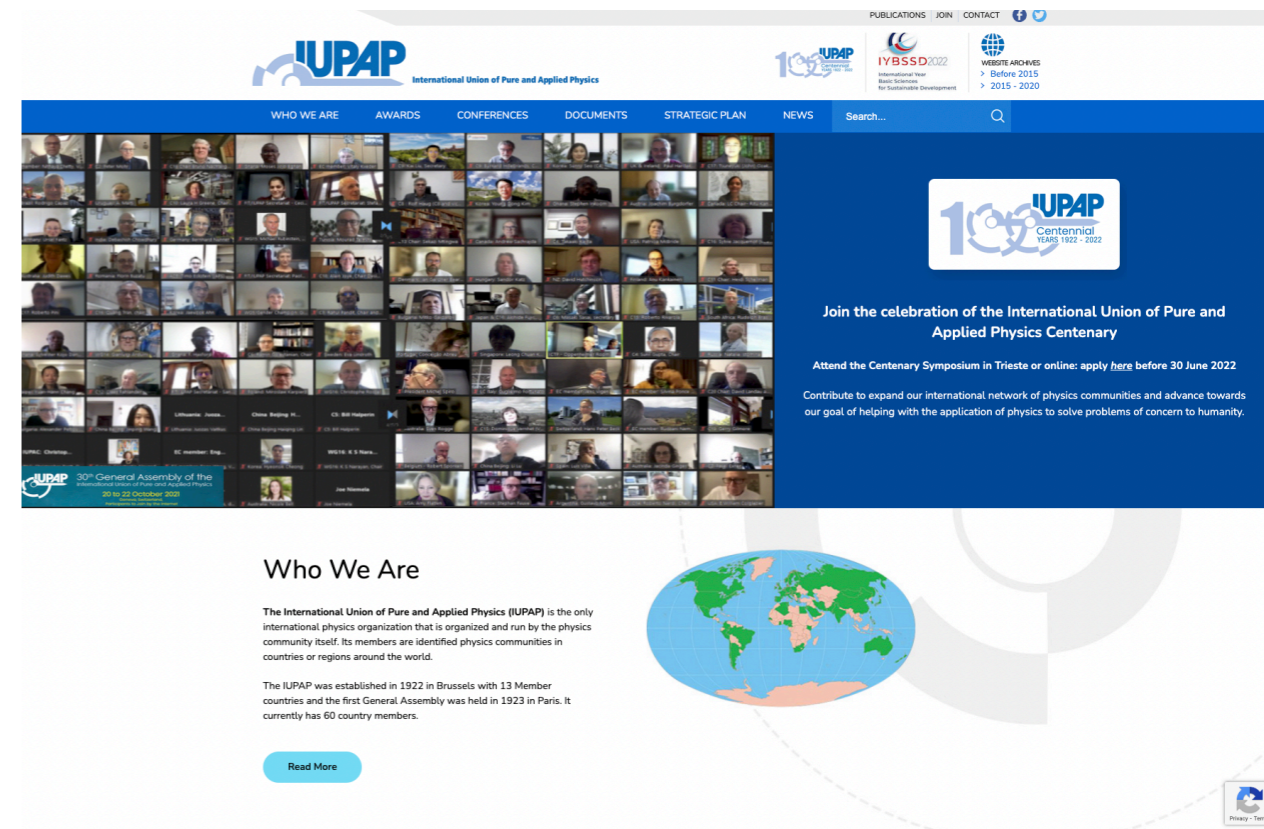
Comment



Share

73,848 people reached

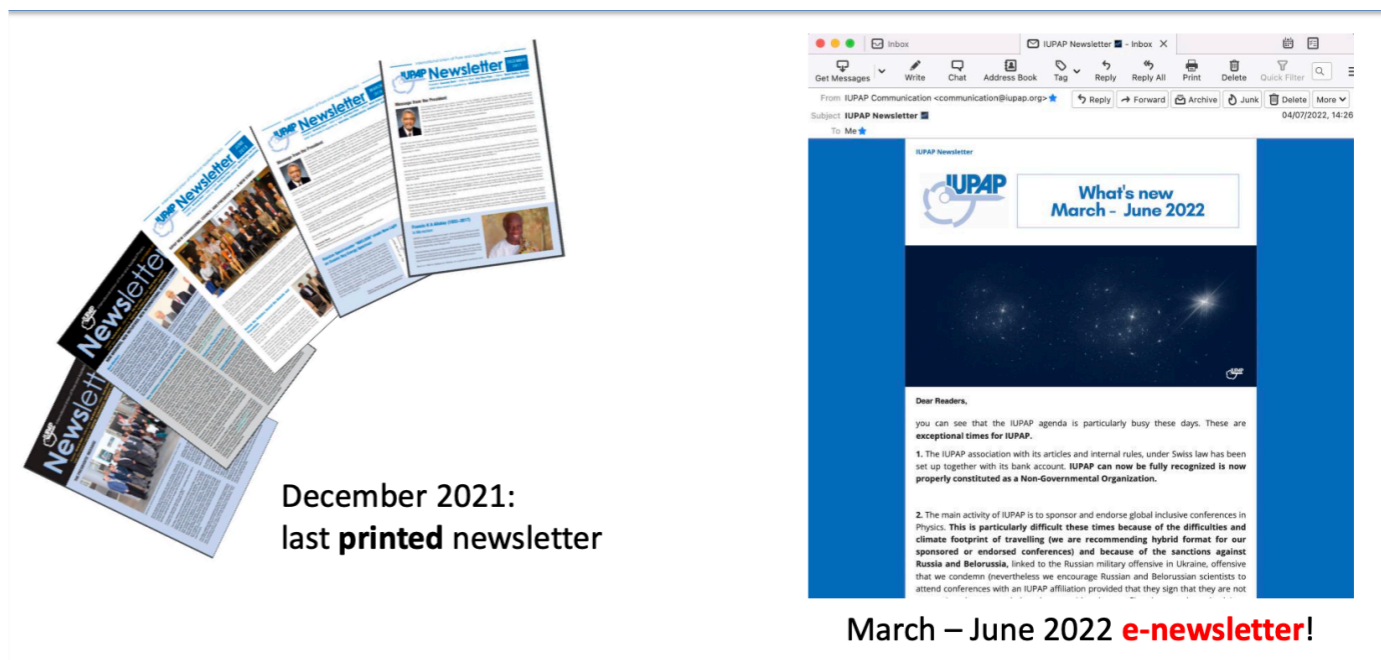
Promote Page



Stronger presence on Facebook (Twitter and Instagram to come)

e-Newsletter

Please visit our website, <https://iupap.org/>, or send email to communication@iupap.org to learn more about these initiatives.



December 2021:
last printed newsletter

March – June 2022 **e-newsletter!**



We are also starting this new century with a renovated set of aims:



We are also starting this new century with a renovated set of aims:

- *Assist in the worldwide development of physics and **promote physics as an essential tool for development and sustainability**;*
- *Engage in the strengthening and improvement of **physics education**, particularly in **developing countries**;*
- ***Increase diversity and inclusion in physics**, enhancing the participation and recognition of **women** and of people from **underrepresented groups**;*
- ***Foster international cooperation** and sponsor suitable international physics meetings;*
- *Promote the **free circulation of scientists** and the **open access to data**;*
- *Enhance the vital role of **early career physicists**;*
- *Strengthen the links with **physicists working outside academia** and with other scientific communities;*
- *Uphold **openness, honesty and integrity** in the practice, application and promotion of physics;*
- *Promote **international agreements on symbols, units, nomenclature and standards***

Inclusion and diversity

GA approves the creation of WG5: Women in Physics



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International
Conferences on
Women in
Physics (triennial)



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International
Conferences on
Women in
Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



WG5 in 2000 @White House.
(Photo by Holly Gwin)



GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



WG5 in 2000 @White House.
(Photo by Holly Gwin)

Resolutions that helped reshape IUPAP



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries

Waterloo Charter for Gender Inclusion and Diversity in Physics

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



WG5 in 2000 @White House.
(Photo by Holly Gwin)

Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries

Waterloo Charter for Gender Inclusion and Diversity in Physics

2011: VP at Large & Gender Champion



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries

Waterloo Charter for Gender Inclusion and Diversity in Physics

2011: VP at Large & Gender Champion

New rules for conferences: target % of women on committees, speakers, etc; anti-harassment policy; activity on inclusion and diversity at conferences)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



WG5 in 2000 @White House.
(Photo by Holly Gwin)

Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries

Waterloo Charter for Gender Inclusion and Diversity in Physics

2011: VP at Large & Gender Champion

New rules for conferences: target % of women on committees, speakers, etc; anti-harassment policy; activity on inclusion and diversity at conferences)

Rules for IUPAP's structures composition



WG5 in 2000 @White House.
(Photo by Holly Gwin)

GA approves the creation of WG5: Women in Physics

This led to the establishment of a network of WGs in more countries than IUPAP territorial members



International Conferences on Women in Physics (triennial)

Last ICWIP in person, Birmingham 2017, with Malala Youfsazai. (Liz Hingley, IoP, Univ of Birmingham)



Resolutions that helped reshape IUPAP

Travel Grants for early career physicists from developing countries

Waterloo Charter for Gender Inclusion and Diversity in Physics

2011: VP at Large & Gender Champion

New rules for conferences: target % of women on committees, speakers, etc; anti-harassment policy; activity on inclusion and diversity at conferences)

Rules for IUPAP's structures composition

Diversity of the pool of candidates for awards

Early Career Physicists and Physics Students

Early Career Physicists and Physics Students

One Early Career Prize per year, Commission and Affiliated Commission



Early Career Physicists and Physics Students

One Early Career Prize per year, Commission and Affiliated Commission



2021: International Association of Physics Students is recognized as Affiliated Commission #5



Early Career Physicists and Physics Students

One Early Career Prize per year, Commission and Affiliated Commission

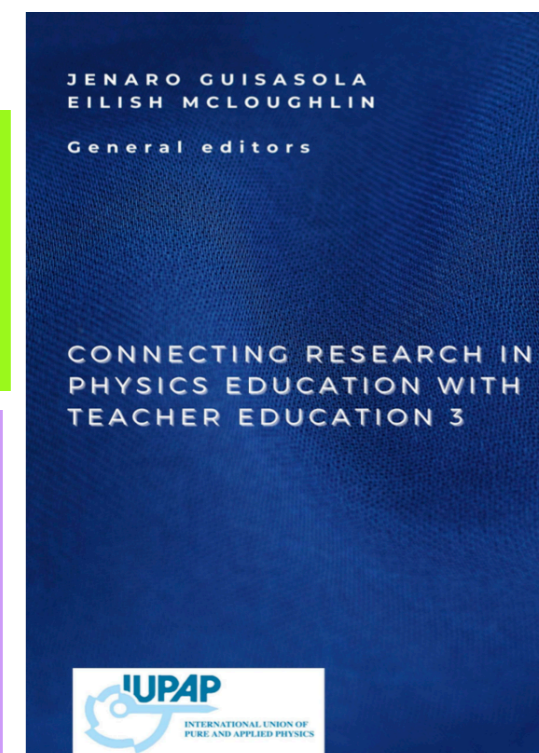


2021: International Association of Physics Students is recognized as Affiliated Commission #5

Physics Education

The International Commission on Physics Education (C14) has been in existence for many years now to promote the exchange of information and views in the field

It regularly organizes an international conference on the subject, publishes a newsletter and, for the last 3 years, has produced a handbook of interest to physics teachers, teacher educators, education researchers, physicists, and policy makers



Physicists working outside academia

Physicists working outside academia

Working Group on Physics and Industry created in 2017

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Statement on integrity of candidates for awards signed by nominators

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Statement on integrity of candidates for awards signed by nominators

Physics for development

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Statement on integrity of candidates for awards signed by nominators

Physics for development

The Commission on Physics for Development (C13) has existed for over 30 years to help improve the conditions of physics and physicists in developing countries, among other aims.

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Statement on integrity of candidates for awards signed by nominators

Physics for development

The Commission on Physics for Development (C13) has existed for over 30 years to help improve the conditions of physics and physicists in developing countries, among other aims.

C13 bestows the IUPAP Medal for Outstanding Achievements in Physics for Development, once every three years

Physicists working outside academia

Working Group on Physics and Industry created in 2017

New membership type: Associate Corporate member

Openness, honesty and integrity

Working Group on Ethics (WG18) created in 2021

Statement on integrity of candidates for awards signed by nominators

Physics for development

The Commission on Physics for Development (C13) has existed for over 30 years to help improve the conditions of physics and physicists in developing countries, among other aims.

C13 bestows the IUPAP Medal for Outstanding Achievements in Physics for Development, once every three years

IUPAP has a special line of funding for conferences and workshops to be held in developing countries (Type D conferences)

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

Contributing to guarantee the **free circulation of scientists** has been at the center of the actions of IUPAP over the years.

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

Contributing to guarantee the **free circulation of scientists** has been at the center of the actions of IUPAP over the years.

IUPAP has long worked to ensure that the interaction between physicists from different countries can continue even when relations between the countries' governments are strained.

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

Contributing to guarantee the **free circulation of scientists** has been at the center of the actions of IUPAP over the years.

IUPAP has long worked to ensure that the interaction between physicists from different countries can continue even when relations between the countries' governments are strained.

In view of the situation in Ukraine, the IUPAP produced a statement expressing the Union's consternation about the news on the invasion and the deepest sympathy with the people that were suffering because of it.

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

Contributing to guarantee the **free circulation of scientists** has been at the center of the actions of IUPAP over the years.

IUPAP has long worked to ensure that the interaction between physicists from different countries can continue even when relations between the countries' governments are strained.

In view of the situation in Ukraine, the IUPAP produced a statement expressing the Union's consternation about the news on the invasion and the deepest sympathy with the people that were suffering because of it.

At the same time, reminding how the Union had strived to bring physicists together across political divides, the statement ended by reinforcing the idea that **scientific collaboration across the world is a driver for peace.**

**At the same time that we put a great effort to advance with the new aims,
we do not disregard the more traditional ones**

Contributing to guarantee the **free circulation of scientists** has been at the center of the actions of IUPAP over the years.

IUPAP has long worked to ensure that the interaction between physicists from different countries can continue even when relations between the countries' governments are strained.

In view of the situation in Ukraine, the IUPAP produced a statement expressing the Union's consternation about the news on the invasion and the deepest sympathy with the people that were suffering because of it.

At the same time, reminding how the Union had strived to bring physicists together across political divides, the statement ended by reinforcing the idea that **scientific collaboration across the world is a driver for peace.**

It was based on these views that are deeply rooted in IUPAP's history and actions that we decided to allow people who felt excluded from participating in IUPAP-related conferences, workshops and meetings, due to their affiliation or country of origin, to request the use of IUPAP as their affiliation, provided that they sign a declaration stating that they are not actively supporting war and were committed to democratic principles for resolving disagreements and conflicts.



Main sponsored Activities



Main sponsored Activities

International conferences and awards



Main sponsored Activities

International conferences and awards

Brief reminder: *Income* mostly comes from the shares paid by members.



Main sponsored Activities

International conferences and awards

Brief reminder: *Income* mostly comes from the shares paid by members.

Conferences (<https://iupap.org/conferences/>)

- Different types (A,B,C and D; D: in developing countries)
- Analyzed by Commissions and ACs (approved by Council)
- Endorsement (open all the year, WGs can analyze these applications too)
- Sponsorship (applications open end Jan-end May for next year's conferences)

Each year, IUPAP sponsors and endorses ~50 conferences with special attention given to those held in developing countries.

International conferences and awards

Brief reminder: *Income* mostly comes from the shares paid by members.

Conferences (<https://iupap.org/conferences/>)

- Different types (A,B,C and D; D: in developing countries)
- Analyzed by Commissions and ACs (approved by Council)
- Endorsement (open all the year, WGs can analyze these applications too)
- Sponsorship (applications open end Jan-end May for next year's conferences)

Each year, IUPAP sponsors and endorses ~50 conferences with special attention given to those held in developing countries.

Awards (<https://iupap.org/awards/>)

- For established scientists
 - Early Career Scientists (8 years since PhD, career interruptions taken into account)
 - Analyzed by Commissions (approved by Council)
- ~200 prizes have been awarded in the last 10 years*



International conferences and awards

Brief reminder: *Income* mostly comes from the shares paid by members.

Conferences (<https://iupap.org/conferences/>)

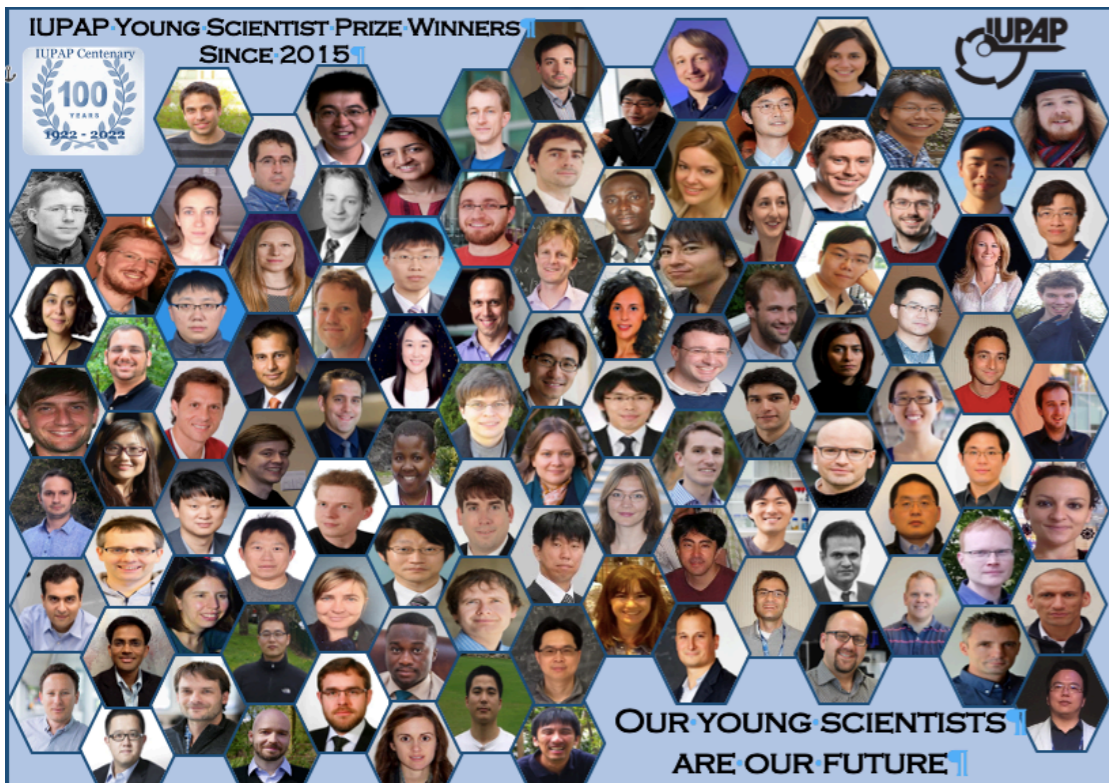
- Different types (A,B,C and D; D: in developing countries)
- Analyzed by Commissions and ACs (approved by Council)
- Endorsement (open all the year, WGs can analyze these applications too)
- Sponsorship (applications open end Jan-end May for next year's conferences)

Each year, IUPAP sponsors and endorses ~50 conferences with special attention given to those held in developing countries.

Awards (<https://iupap.org/awards/>)

- For established scientists
 - Early Career Scientists (8 years since PhD, career interruptions taken into account)
 - Analyzed by Commissions (approved by Council)
- ~200 prizes have been awarded in the last 10 years*

Visit our website, <https://iupap.org/>, regularly to learn about open calls





Other IUPAP activities of impact on physics (and science) communities across the world.



Other IUPAP activities of impact on physics (and science) communities across the world.

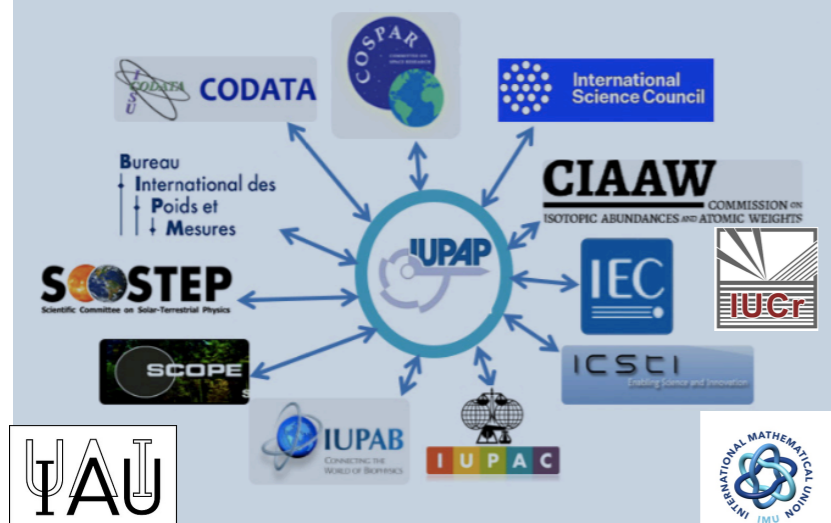
- Statements and position papers to induce and/or accompany changes and to support physics communities (declaration on race; Waterloo Charter; letter addressed to governments).
- Rules on its own structure that can be copied by national and regional societies (domino effect)
- Rules on conferences and awards to further induce change
- Targeted projects and policies
- Newsletters (4 per year)
- Hopefully: increased visibility (with all planned changes!)



Other IUPAP activities of impact on physics (and science) communities across the world.

- Statements and position papers to induce and/or accompany changes and to support physics communities (declaration on race; Waterloo Charter; letter addressed to governments).
- Rules on its own structure that can be copied by national and regional societies (domino effect)
- Rules on conferences and awards to further induce change
- Targeted projects and policies
- Newsletters (4 per year)
- Hopefully: increased visibility (with all planned changes!)

Inter Union Relations



Liaisons with other scientific unions

More or less permanent or through specific projects

{iaps}

International association of physics students

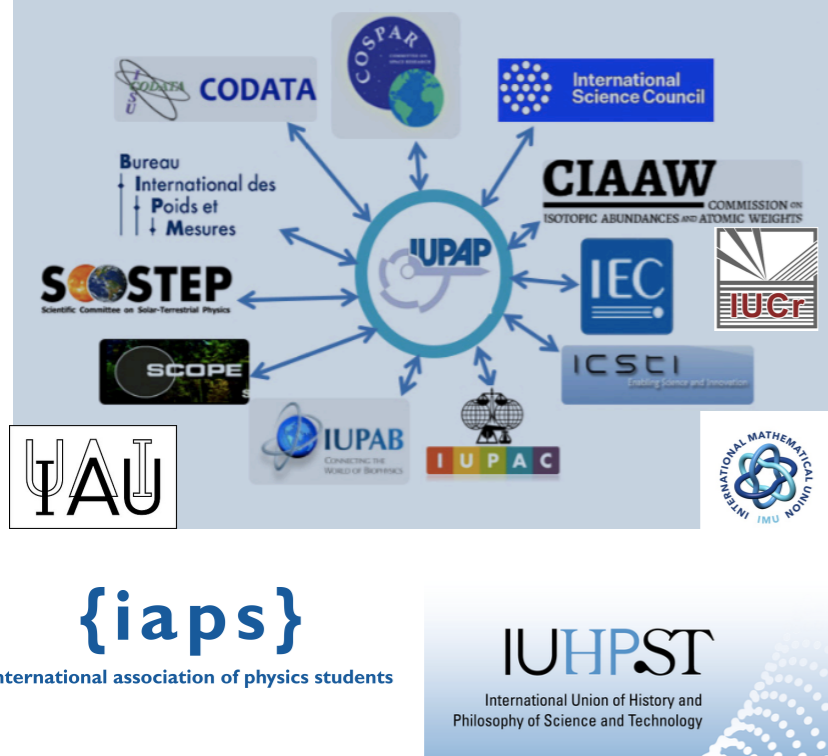




Other IUPAP activities of impact on physics (and science) communities across the world.

- Statements and position papers to induce and/or accompany changes and to support physics communities (declaration on race; Waterloo Charter; letter addressed to governments).
- Rules on its own structure that can be copied by national and regional societies (domino effect)
- Rules on conferences and awards to further induce change
- Targeted projects and policies
- Newsletters (4 per year)
- Hopefully: increased visibility (with all planned changes!)

Inter Union Relations



Liaisons with other scientific unions

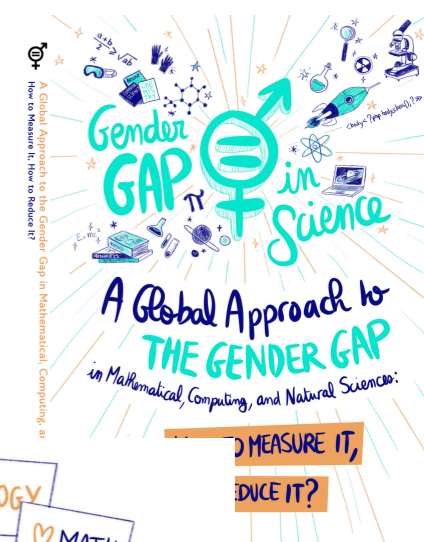
More or less permanent or through specific projects

- With IUPAC to work on nomenclature and definition of new elements; also for IYPT
- With IUCr on the LAAAMP Project
- With 9 international unions on the Gender Gap Project
- With various international unions that are Affiliated Commissions of IUPAP
- Through associated members on Commissions
- With International Commission for Acoustics for IYS
- With many international organizations and unions for IYBSSD

Projects with other international scientific unions of great impact

Projects with other international scientific unions of great impact

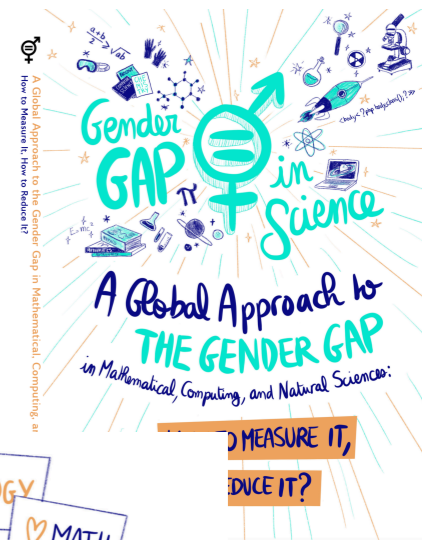
Gender Gap in Science Project,
<https://gender-gap-in-science.org/>



Projects with other international scientific unions of great impact

Gender Gap in Science Project,
<https://gender-gap-in-science.org/>

Carried out with 10 other international partners, led by IMU and IUPAC, initially funded by ISC.

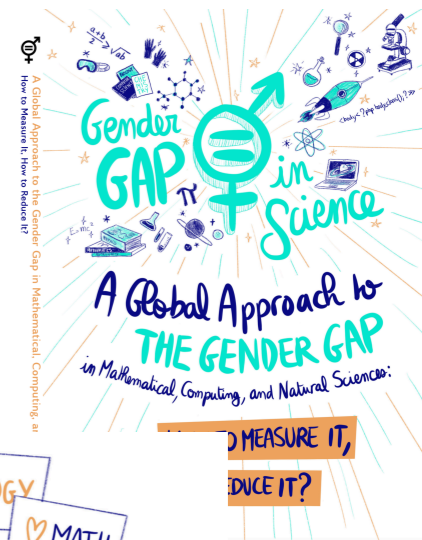


Projects with other international scientific unions of great impact

Gender Gap in Science Project,
<https://gender-gap-in-science.org/>

Carried out with 10 other international partners, led by IMU and IUPAC, initially funded by ISC.

Led to the creation of the Standing Committee on Gender Equality in Science, <https://gender-equality-in-science.org/>

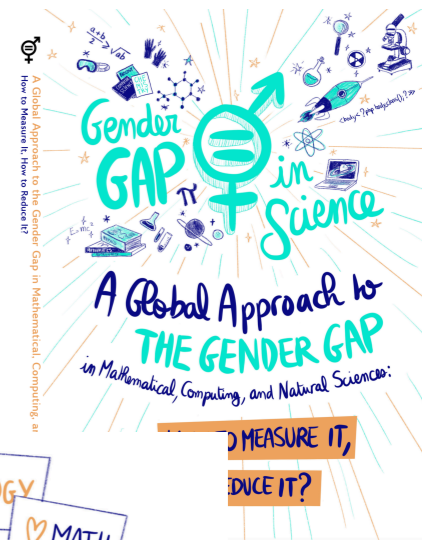


Projects with other international scientific unions of great impact

Gender Gap in Science Project,
<https://gender-gap-in-science.org/>

Carried out with 10 other international partners, led by IMU and IUPAC, initially funded by ISC.

Led to the creation of the Standing Committee on Gender Equality in Science, <https://gender-equality-in-science.org/>



LAAMP
Lightsources for Africa, the Americas, Asia, Middle East and Pacific

Lightsources for Africa, the Americas, Asia, Middle East and Pacific

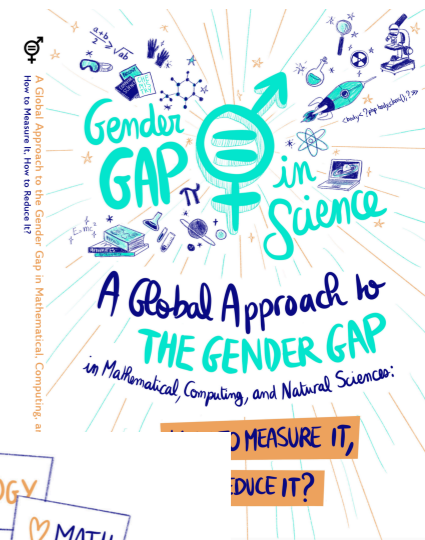
<https://laamp.iucr.org/>

Projects with other international scientific unions of great impact

Gender Gap in Science Project,
<https://gender-gap-in-science.org/>

Carried out with 10 other international partners, led by IMU and IUPAC, initially funded by ISC.

Led to the creation of the Standing Committee on Gender Equality in Science, <https://gender-equality-in-science.org/>



<https://laamp.iucr.org/>

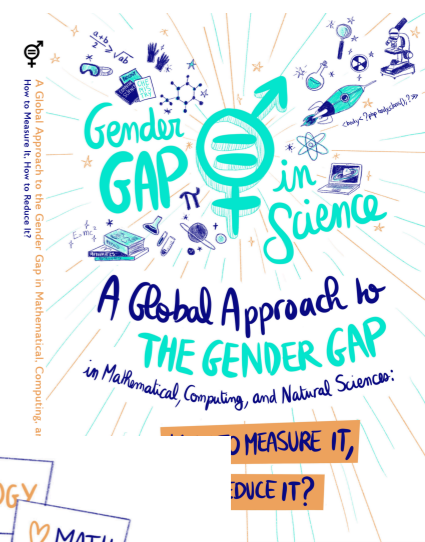
Lightsources for Africa, the Americas, Asia, Middle East and Pacific

Started in 2016 with an ISC grant awarded to IUPAP & IUCr for their project entitled ***Utilization of Light Source and Crystallographic Sciences to Facilitate the Enhancement of Knowledge and Improve the Economic and Social Conditions in Targeted Regions of the World.***

Projects with other international scientific unions of great impact

Gender Gap in Science Project,
<https://gender-gap-in-science.org/>

Carried out with 10 other international partners, led by IMU and IUPAC, initially funded by ISC.



Led to the creation of the Standing Committee on Gender Equality in Science, <https://gender-equality-in-science.org/>



LAAMP
Lightsources for Africa, the Americas, Asia, Middle East and Pacific

<https://laamp.iucr.org/>

Lightsources for Africa, the Americas, Asia, Middle East and Pacific

Started in 2016 with an ISC grant awarded to IUPAP & IUCr for their project entitled ***Utilization of Light Source and Crystallographic Sciences to Facilitate the Enhancement of Knowledge and Improve the Economic and Social Conditions in Targeted Regions of the World.***

The aim is to enhance Advanced Light Sources (AdLS) and crystallographic sciences in targeted regions, in collaboration with IUCr and ICTP.

Approved by UNESCO's Gen Conference in 2019, the year 2022 was declared
Intl Year of Basic Sciences for Sustainable Development by the UN GA in 2021

Approved by UNESCO's Gen Conference in 2019, the year 2022 was declared Intl Year of Basic Sciences for Sustainable Development by the UN GA in 2021

This was the result of the mobilization of many organizations led by IUPAP.

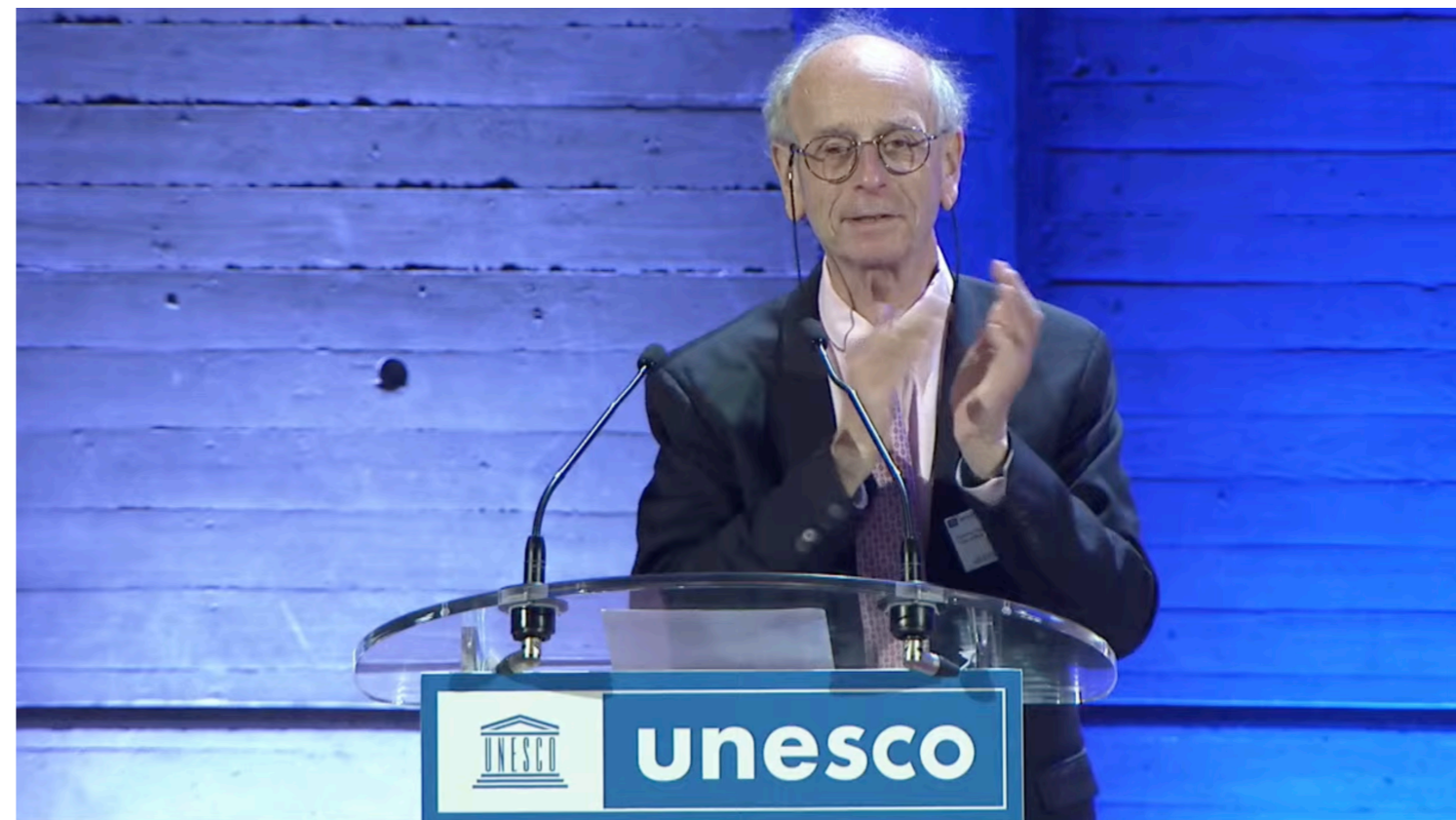
Approved by UNESCO's Gen Conference in 2019, the year 2022 was declared Intnal Year of Basic Sciences for Sustainable Development by the UN GA in 2021

This was the result of the mobilization of many organizations led by IUPAP.



Approved by UNESCO's Gen Conference in 2019, the year 2022 was declared International Year of Basic Sciences for Sustainable Development by the UN GA in 2021

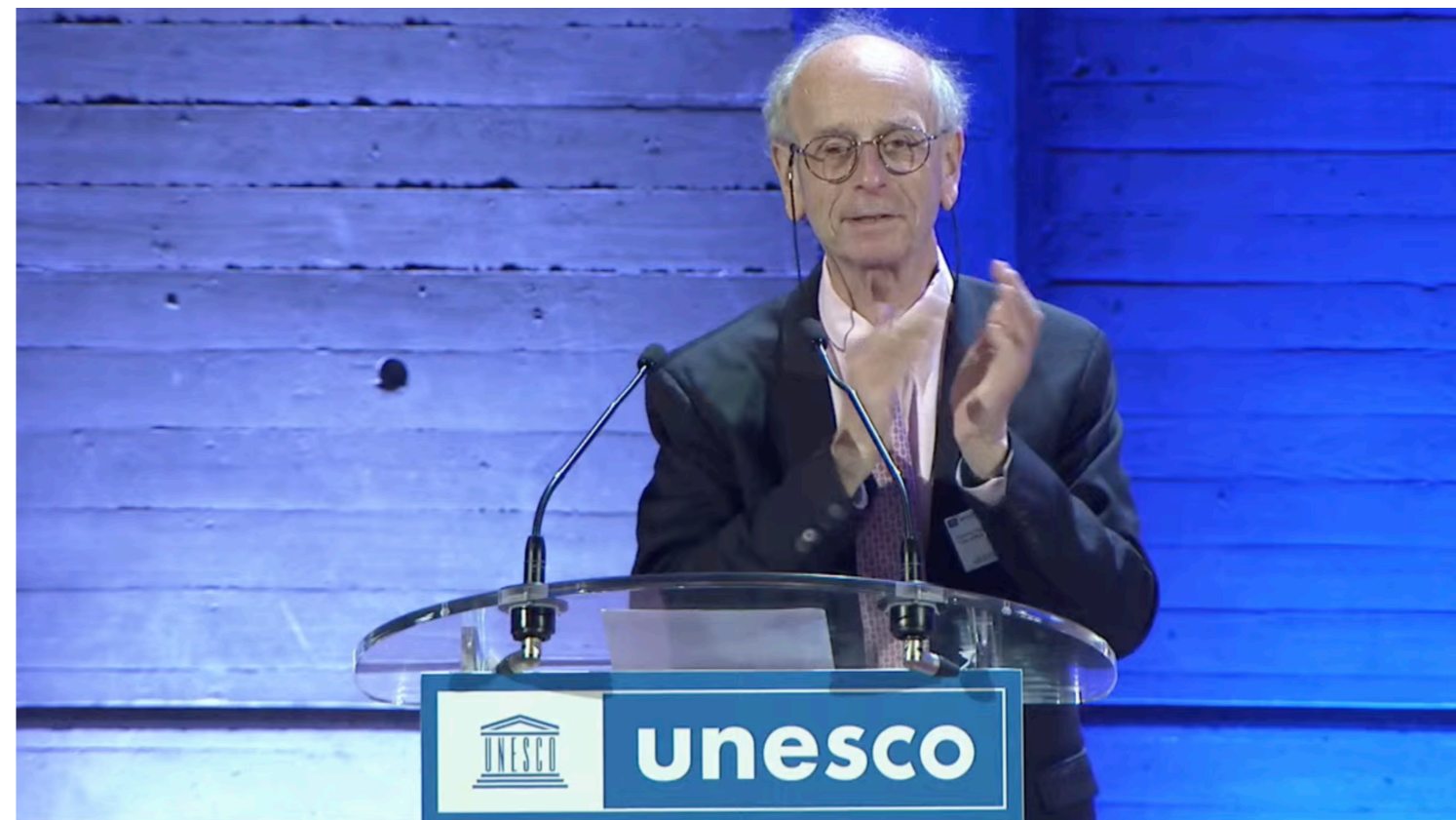
This was the result of the mobilization of many organizations led by IUPAP.



The opening ceremony took place at UNESCO headquarters on July 8th, 2022, with our President, Michel Spiro, having a stellar role!

Approved by UNESCO's Gen Conference in 2019, the year 2022 was declared International Year of Basic Sciences for Sustainable Development by the UN GA in 2021

This was the result of the mobilization of many organizations led by IUPAP.

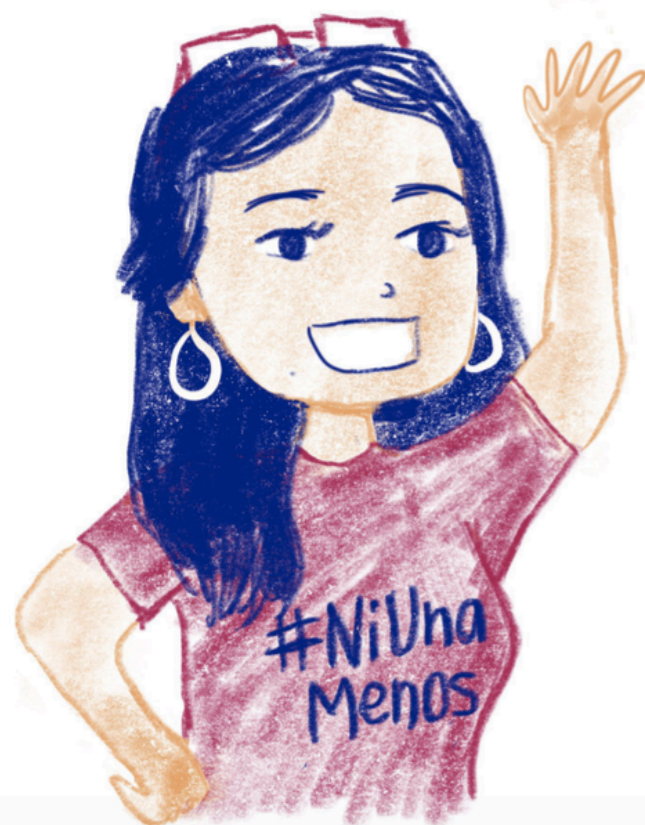


The opening ceremony took place at UNESCO headquarters on July 8th, 2022, with our President, Michel Spiro, having a stellar role!

I leave the floor to Michel, for him to give you more details!



Silvina Ponce Dawson



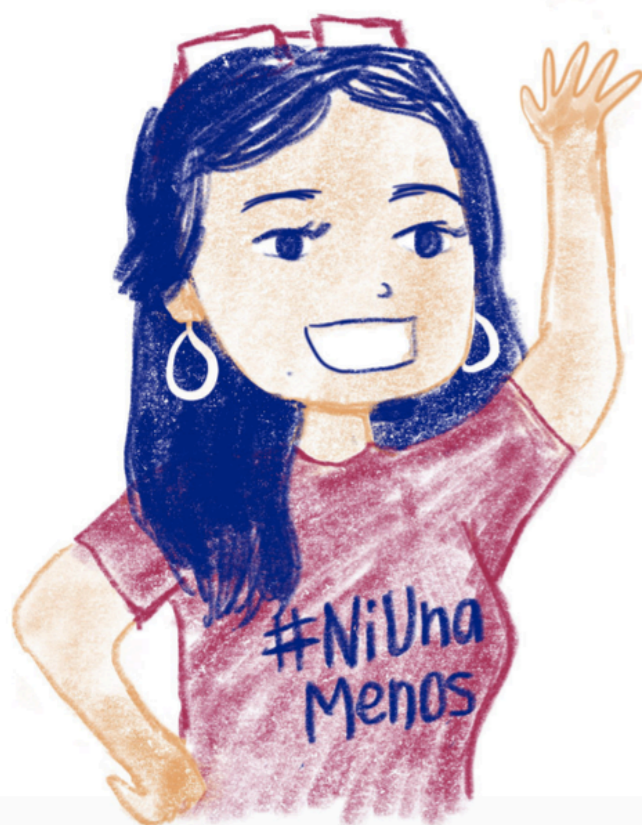
Challenge gender
stereotypes and end
gender violence.

LET'S DO IT
TOGETHER





Silvina Ponce Dawson



Challenge gender
stereotypes and end
gender violence.

LET'S DO IT
TOGETHER



Thank you!