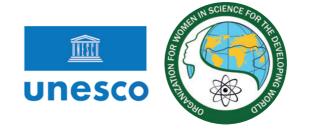
OWSD Annual Report 2023

ORGANIZATION FOR WOMEN IN SCIENCE FOR THE DEVELOPING WORLD









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ORGANIZATION FOR WOMEN IN SCIENCE FOR THE DEVELOPING WORLD (OWSD) Annual Report 2023

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ABOUT OWSD

The **mission** of the Organization for Women in Science for the Developing World (OWSD) is to promote and strengthen the role of women scientists from the Global South in science and technology. OWSD provides training and networking opportunities, supporting women scientists' research and leadership throughout their careers, and advocating for gender equality in national science and technology systems and policies. We envision a future where women scientists from developing countries are agents of change in their communities, driving – and helping to achieve – the United Nations Sustainable **Development Goals.**

SUSTAINABLE GALS DEVELOPMENT GALS









organization's programmes and strategy are currently focused on **SDG 4** Quality Education, **SDG 5** Gender Equality, SDG 9 Industry, Innovation and Infrastructure, SDG 10 Reduced Inequalities and **SDG 17** Partnership for the Goals. In addition in 2022 OWSD awards were focused on **SDG 13** Climate action and in 2023 SDG 2 Food security,

OWSD members' research

covers all of the 17 SDGs. The

agricultural productivity and sustainable food production.





Women. Science. Development.

2012-16

Sida increases funding to hire a Coordinator and more staff to be based at the OWSD Secretariat in Trieste. The number of PhD fellowships is increased, including funds to attend international conferences.

In 2012 the OWSD annual awards (funded by the Elsevier Foundation) are re-launched and a special awards ceremony takes place at the annual AAAS meeting in 2013.

2021-2026

Sida and IDRC sign a new 5-year agreement to continue jointly funding OWSD's programmes, including National Chapter support and institutional engagement.

In 2021 6th OWSD General Assembly and Conference held entirely online. hosted by OWSD Secretariat, Trieste, Italy.

2023

New Masters programme for displaced women scientists (OWSD WISDOM) is established and presented at the Global Refugee Forum in December 2023 in partnership with **UNHCR** and Hashemite University, Jordan



1989

The Third World Organization for Women in Science (TWOWS) is established and a constitution

the Swedish International Development Cooperation Agency (Sida), to support a South-to-South PhD fellowships **programme** specially for women from Least Developed Countries and Sub-Saharan Africa in STEM subjects. It is the only programme of its kind.

OWSD receives financial support from

1997



2003

in Yemen

First TWOWS National

Chapter is established

THE ELSEVIER **FOUNDATION**

1988

1987

in Beijing.

Abdus Salam, founder of The

World Academy of Sciences

(TWAS), recognizes the need

to support women scientists

in the developing world during

the 2nd TWAS General Meeting

218 women scientists from 63 developing countries attend a conference on 'The Role of Women in the Development of Science and Technology in the Third World' organized by TWAS in Trieste, Italy.

A working group is set up to explore the creation of an organization that would champion the experience, needs and skills of women scientists in the developing world.

TWOWS is officially launched at the First General Assembly

The first executive board is elected.

1993

in Cairo, Egypt

1999

2nd TWOWS General **Assembly and Conference** in Cape Town, South Africa.



2005 3rd TWOWS

General Assembly and International Conference in Bangalore, India.

2010

At the 4th General Assembly and Conference in Beijing, China, members vote to adopt a new name - the Organization for Women in Science for the Developing World (OWSD).



2017-2021

The Canadian International Development Research Centre (IDRC) joins forces with Sida to sign a new project agreement, including the Early Careers Fellowship programme



2022

The Aspen Institute Italia joins OWSD's role of donors, supporting the Early Career fellowships programme

Dominican Republic becomes the 50th OWSD National Chapter.

4 **OWSD** Annual Report 2023 OWSD Annual Report 2023 5 ABOUT OWSD

The OWSD Ecosystem and Structure

In 2023, the Organization for Women in Science for the Developing World (OWSD) continued to thrive as a dynamic ecosystem where women scientists from developing countries can grow and flourish. At the end of 2023, with over 10,000 members, OWSD enters 2024 as a vibrant network of relationships and resources, each contributing to the overall advancement and prosperity of women in STEM

across the Global South.
At the core of the OWSD
ecosystem is a feedback loop.
Women scientists from developing countries share insights and experiences from their local contexts through OWSD membership forums and National Chapters. OWSD executive board regional representatives collect this rich information and report to the executive board meeting about specific and diverse challenges facing women in

STEM around the world. The

OWSD Secretariat processes
the information, in consultation
with the chapters and other
partners, to create comprehensive
reports and strategies and
develop robust programmes
and initiatives which positively
impact women, science, and
communities. Women recipients of
OWSD programmes in turn spread
the word, raise visibility and
establish national chapters, which
provide a source of information
and engagement for incoming
women scientists.

OWSD ECOSYSTEM DIAGRAM Empowering women in STEM OWSD Executive Board 54 National Chapters OWSD Secretariat Advocacy initiatives **OWSD** Impact **Academic Programme** assessment development Institutions Science 10,000 **OWSD Members Policy makers Industry Partners** More data on women in STEM Increased visibility of women scientists Community engagement Science that serves the SDGs Policy change at institutional and governmental level More women in STEM from developing countries

Key Elements of the OWSD Ecosystem Seeds of opportunity and resources

OWSD provides resources and training for women scientists in developing countries.

These planted seeds grow into pioneering research projects that contribute to the Sustainable Development Goals, sustaining and enriching the scientific community.

Identifying and removing barriers

The 54+ OWSD National Chapters identify and address the barriers that impede progress. This may involve collecting data on cultural, social, economic, political, and academic obstacles, as well as collaborating with families and educational institutions to dismantle these barriers.

Inclusive and interdisciplinary research environments

OWSD fosters diverse research environments. The countries eligible for OWSD funding often struggle even with attendance of girls in secondary school. By attracting and supporting women from these countries to participate in the design and implementation of scientific research at postgraduate level, OWSD fellowships mean that research topics are more varied and more relevant, making the programmes more resilient and ensuring their implementation. Furthermore, OWSD encourages collaboration between experts in the arts, humanities, and social sciences, ensuring that STEM research is both innovative and relevant.



"OWSD helped me stay in my country and do the science I wanted, without needing to travel abroad to do it."

Elizabeth Bandason, 2018 OWSD Early Career Fellow, Malawi

OWSD also ensures resources and opportunities are accessible to all community members, welcoming LGBTQ+ members, women with disabilities, and displaced women. This inclusion provides platforms for these groups to voice their challenges and contributes to a resilient scientific community.

Visibility, advocacy, and policy change

Visibility is the sunlight that allows the OWSD ecosystem to thrive. OWSD's comunications and storytelling team highlight the achievements of women scientists, showcasing their work internationally. These visible role models from under-represented countries inspire the next generation and demonstrate the transformative power of women in STEM. OWSD also advocates for gender-transformative policies, working with academic institutions to support women

in research and decision-making roles.

Sustained capacity building

OWSD designs strategies to sustain resources for scientific excellence beyond initial support by training fellows to link with industry and **fundraise**, as well as improving their publishing, scientific outreach and communications skills, important for leadership in science. These efforts anchor the ecosystem, ensuring longterm stability and growth. OWSD also places an emphasis on selecting fellows and awardees with demonstrated mentoring and outreach experience, ensuring that the benefits of funding are extended to the recipients' institutes and communities.

Global collaboration platform

OWSD provides a global platform for women scientists to share their research interests and initiate collaborations, creating a network of interconnected relationships that supports the ecosystem's health and vitality. Fellows' and awardees' alumnae networks as well as National Chapters provide opportunities to form deep and long-lasting connections between women scientists on national and international levels. and OWSD actively facilitates members', fellows', and awardees' participation in collaborative research and decision-making **processes** through its numerous partnerships with organizations and institutes in the global scientific community.



CLICK OR SCAN

TO DISCOVER MORE ABOUT OWSD IMPACT

ABOUT OWSD

OWSD Structure

The OWSD community ripples outwards in concentric circles. At its centre are the **members**, who establish OWSD National **Chapters** and organize events and activities. They disseminate information about opportunities and share hands-on experience, reaching girls and young women even in the remotest areas of the least-resourced countries. **Alumnae** from OWSD fellowship and awards programmes join National Chapters, sharing their journeys as PhD fellows, Early Career fellows, or award winners, encouraging other members to apply and often assisting in the application process.

Each chapter has an elected national executive committee (including at least a chair, vicechair, secretary, and treasurer), who serve on a voluntary basis. The chair provides an annual report of activities to the relevant regional representative of the OWSD Executive Board, who then reports to the **executive board** in its annual meeting. The **OWSD Secretariat** sends out annual report templates, gathers and analyzes data, and uses this feedback to adapt OWSD programmes, ensuring their relevance and effectiveness. Serving on the executive committee of a National Chapter provides members with leadership

Members

National Chapters

National Chapter

Executive Committees

Regional

Vice Presidents

Executive board

& OWSD Secretariat

OWSD Structure

and management experience.
Executive committee members often progress to become elected members of the Global Young Academy or national young academies, paving the way for election to national science academies. Some OWSD national chapter members have even gone on to establish national academies in their countries. These environments offer contacts, networks, and opportunities to influence policy at various levels.

Executive Board

The OWSD Executive Board comprises the President, four Vice Presidents (one from each region: Africa; Asia; Arab countries; Latin America and the Caribbean), and four additional Regional Members. These board members serve as focal points for National Chapters, representing OWSD in international, regional, and local frameworks. They strive to enhance the organization's visibility and representation, ensuring that the voice of OWSD is heard on a global stage. The executive board is elected by the global OWSD membership every 4 years, and since 2021, elections have been held online through an accountable yet anonymous voting process. Together, the ecosystem and structure of OWSD create a powerful platform for empowering women in science, driving positive change across the Global South, and fostering a global network of collaboration and support.



2021-2025 OWSD EXECUTIVE BOARD

Jennifer Thomson

President

South Africa



Olubukola Oluranti Babalola

Vice President for Africa Nigeria/South Africa



Fortunate Farirai

Regional Member for Africa Zimbabwe

AFRICA

ARAB REGION

ASIA

Huda Basaleem

Vice President for the Arab Region Yemen



Shymaa Enany

Regional Member for the Arab Region Egypt



Atya Kapley

Vice President for Asia India



Hasin Anupama Azhari

Regional Member for Asia Bangladesh

Kleinsy Bonilla

Vice President for LAC Guatemala



Patricia Castillo-Briceno

Regional Member for LAC Ecuador

OWSD Vice President accelerates growth and collaboration in Latin America and the Caribbean

OWSD Vice President **Kleinsy Bonilla** has played a crucial role in accelerating growth and fostering collaboration within Latin America and the Caribbean (LAC) since she was elected in 2021. Under her leadership, the number of national chapters in the region has expanded significantly from 4 to **16 chapters** across the continent, from Mexico to Chile.

Dr. Bonilla's efforts in enhancing the visibility of women in science and promoting regional engagement highlight her commitment to advancing science and technology in LAC. Her leadership exemplifies the growing influence and dynamic potential of the region within the global scientific community.



DESCRIPTION OF PROGRAMMES

OWSD offers programmes to support women scientists in developing countries throughout their careers in four key areas: community, mobility, capacity and visibility.

Community: Membership in the international OWSD network and National Chapters ensures access to information on opportunities and skill-building activities as well as direct participation in national events.

Mobility: South-to-South PhD Fellowships (from 1998-2022) allow women scientists from poorly resourced countries to travel to centres of excellence in developing countries to study STEM subjects.

Capacity: Grants for Early Career stage women scientists support research-related expenses in scientists' home countries, with the aim of building international centres of research excellence located in Science and Technology Lagging Countries (STLCs).

Visibility: Targeted awards recognise and celebrate the achievements of women scientists from developing countries.

OWSD also provides training and opportunities for women scientists

from developing countries to showcase their achievements and contributions to their field through various kinds of scientific communications and outreach, including storytelling through film and podcasting. Raising the profile of excellent women scientists helps to break down stereotypes and biases and increase the visibility and representation of women in science.

Each of these programmes also comes with a wealth of training opportunities which OWSD is developing and providing with key partners in the South. Through these programmes, women scientists attend conferences and seminars, develop skills, receive mentorship, and ultimately become leaders in their field while advocating for the inclusion of women's knowledge and needs in research projects.



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2023 HIGHLIGHTS

The year 2023 was a defining one for OWSD, characterized by a series of notable achievements set against a backdrop of significant financial challenges.

One of the most substantial challenges OWSD encountered was a notable reduction in funding from one of our major donors, The Swedish International Development Cooperation Agency (Sida), which has supported OWSD, and in particular the South-to-South PhD fellowship programme, for more than 25 years. This change, driven by shifting global priorities and affecting all of Sida's beneficiaries, was keenly felt by OWSD, impacting approximately

50% of the Organization's approved budget until 2026, and 20% of the annual budget in 2023. The immediate result was a cancellation of the PhD Fellowships programme. In response to this challenge, OWSD swiftly adapted its strategies to maintain its commitment to advancing women in science. A key initiative was the development of the **new WISDOM Masters programme** for displaced women scientists. Established in collaboration with UNHCR

and Hashemite University, this programme was showcased at the Global Refugee Forum in December. The innovative design of WISDOM not only addresses the immediate needs of displaced scientists but also positions OWSD for potential additional support through a multi-donor pledge system.

Throughout these challenges,
OWSD programmes continued
to achieve significant
milestones. The Early Career
Fellowships programme saw an
unprecedented number of 28 new
fellows selected from scientificallyand technologically-lagging
Countries (STLCs), reflecting

"What a tumultuous year it has been!
While we faced significant funding cuts leading
to the suspension of our PhD Fellowships, we also forged stronger
collaborations with Italian institutions and launched the
innovative WISDOM Masters programme for displaced women
scientists. Our new partnerships have invigorated our fundraising
and outreach efforts, enhancing our visibility and impact,
particularly across Africa. I am incredibly proud of the resilience
and dedication shown by the OWSD executive board members
in the 4 regions, the national chapters in 54 countries
of the global south and our hardworking Secretariat
for their dedication and enthusiasm which has helped OWSD
remain such an important agency for change in the lives
of so many people in the varied countries in which we work."

Jennifer Thomson, OWSD President

IN 2023

> 1,275

New members bringing the total to 9,415

3

New National Chapters

bringing the total to 54



launched for displaced women

scientists

1
New Masters Fellowship Ear



26

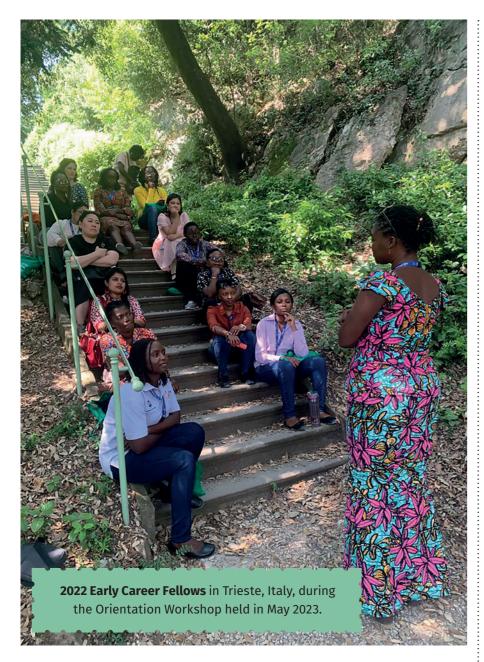
Early Career fellows awarded, bringing the total awarded to 109



7

OWSD-Elsevier Foundation awardees





OWSD's ongoing commitment to nurturing emerging scientific talent.

OWSD took the opportunity to collect evidence of the long-term impact of the PhD fellowship programme, designing and conducting an extensive survey sent to over 300 alumnae and conducting in-depth interviews with selected graduates to demonstrate how investment in one individual woman scientist can have far-reaching consequences,

not just for the fellow's own personal career but makes a significant contribution to research in that field and even to the economic and social development of her country. The OWSD Secretariat is based in Italy and in 2023 strengthened collaborations with Italian institutions, including the Italian government, the Accademia dei Lincei, and the Aspen Institute Italia. These partnerships have facilitated impactful events

and bolstered OWSD's mission through increased recognition and collaboration.

OWSD's innovative **communications**, including a short film series (OWSD Visions), in-depth narrative interviews, and National Chapters events have diversified engagement and supported fundraising efforts. Our partnership with the Nairobi-based Training Centre in Communications further enhanced OWSD's visibility across Africa through the creation and dissemination of podcasts and articles highlighting the impact of OWSD scientists, as well as webinars for members on how to communicate their own stories through these media. A comprehensive **overhaul**

of OWSD's information management and reporting systems, including a redesigned website to be rolled out in 2024, will improve the Organization's ability to communicate impact and track progress effectively. The year also saw continued steady growth in membership and the expansion of national chapters, reflecting OWSD's global reach and

In summary, 2023 was a year of both formidable challenges and significant achievements for OWSD. The Organization's ability to navigate funding changes while expanding impact and maintaining a commitment to advancing women in science underscores our resilience and dedication to

supporting the global scientific

relevance.

community.

COMMUNITY: OWSD MEMBERSHIP & NATIONAL CHAPTERS

OWSD's membership is the foundation of the organization, providing a much-needed sense of community for women scientists in the developing world who are often isolated; frequently the only woman in their department (especially in maths, physics or engineering) and sometimes the only female researcher in the entire institute!

OWSD full members are women scientists living in developing countries who have a postgraduate degree in science subjects.

Affiliate members are at earlier stages in their careers, with undergraduate degrees only.

Friends of OWSD are women and men from developed and developing countries with at least



Full Member

- Woman with a postgraduate degree in natural or social science subjects
- Living in developing countries

Includes

- Access to OWSD international network, mentoring and opportunities
- Membership of National Chapter
- Right to vote in the OWSD General Assemblies



CLICK OR SCAN



Affiliate Member

- Woman with a bachelor's degree in natural or social science subjects
- Living in developing countries

Includes

- Access to OWSD international network, mentoring and opportunities
- Membership of National Chapter



an undergraduate degree.



Friend of OWSD

- Woman or man with a bachelor's degree in any subject
- Living in developing or developed countries
- Committed to promoting the objectives of OWSD
- Can be invited by National Chapters to participate in events



CLICK OR SCAN

14 OWSD Annual Report 2023 OWSD Annual Report 2023 15 IN 2023

9,415
Full + Affiliate members

914

New members in 2023



85%

are full members

(women with postgraduate degrees in science from developing countries)



113

Countries

in the Developing World from which members originate



15%

are affiliate members

(women with bachelor's degrees in science from developing countries)



75%

Total global coverage

(Members and Friends in 145 countries)



54%

are members under 40 years old



503

Friends of OWSD

in 41 countries in the Global North



In addition to the sense of community, OWSD membership offers access to a wide range of opportunities, such as training, travel, research visits, and funding, which are announced through international and regional OWSD mailing lists.



CLICK OR SCAN

IF YOU ARE INTERESTED IN CONTACTING ANY OWSD MEMBE

National Chapters

If members are the foundation of the organization, National Chapters serve as its backbone. Any developing country with more than 20 members is eligible to apply to the OWSD Secretariat and Executive Board for National Chapter status. In 2023, OWSD welcomed three new chapters: Burundi and Lesotho in Africa, and Haiti in the Caribbean. It is noteworthy that, excluding the small island developing states, over half of all developing countries now host an OWSD National Chapter. This reflects the organization's reach and influence despite ongoing challenges in regions facing instability (including Myanmar, State of Palestine and Yemen).

IN 2023

54

Total National Chapters

3

New National Chapters

2

New National Chapters from Africa

(Burundi and Lesotho)

New National Chapter from LAC

(Haiti)



Chapters are headed by national executive committees elected by members which organize regular meetings and events and provide resources and training opportunities for local women and girls in STEM. In addition, the chapters are key disseminators for information on all OWSD programmes, informing members about the PhD, Early Career and Awards programmes, inviting Fellows to give first hand testimonials and assisting with grant and awards applications.

National Chapters Activities

In 2023, OWSD National Chapters saw a resurgence of in-person gatherings and activities after the World Health Organization (WHO) declared "with great hope" an end to COVID-19 as a public health emergency. Throughout the year, OWSD National Chapters organized over 100 diverse events, including webinars, conferences, science talks, training sessions, and workshops. Leading these efforts were chapters such as **Guatemala**, which organized 10 significant activities, ranging from conferences on environmental sustainability and marine conservation to outreach campaigns aimed at indigenous girls. Similarly, the **OWSD Mexico** Chapter hosted 7 events, and formalized their governance structure through online elections of its Executive Committee. **OWSD Nigeria** was especially

vibrant, celebrating the

IN 2023

126

Activities organized

Trainings and Workshops



Webinars

Outreach activities

Celebrations and launches

Conferences and seminars







Specialist knowledge for local communities

Advocacy activities to influence policy makers Miscellaneous

International Day of Women and Girls in Science (IDWGS), February 11, across branches in the north, south, east, and west of the country. The chapters conducted visits to primary and secondary

schools, delivering career talks, donating books, and engaging with students through interactive activities. Students participated in talk shows, as well as theatre and dance performances,



confidently engaging with women scientists and asking insightful questions about various fields of science. National Chapter branches at institutions such as the University of Lagos, the Federal College of Education in Yola, and the University of Nigeria Nsukka were among those actively involved in this nationwide outreach. OWSD Uganda also made an

impact by participating in the National World Environment Day celebrations, where they advocated for women's leadership in environmental science and sustainability.

In August, OWSD launched a call for applications to fund National Chapter activities



CLICK OR SCAN

TO KNOW MORE ABOUT OWSD ACTIVITIES FOR INTERNATIONAL DAY OF WOMEN AND GIRLS IN SCIENCE

aimed at promoting women's participation in science, with grants of up to USD 3,000 awarded to 22 chapters. While some events were held towards the end of 2023, the majority are scheduled for early 2024. These initiatives will culminate in a monthlong celebration around the International Day of Women and Girls in Science and International Women's Day. The celebrations will feature seminars, conferences, and science fairs organized by OWSD and its 54 National Chapters, providing platforms for knowledge-sharing and showcasing the vital contributions of women in STEM worldwide.

New Gender in STEM research and outreach initiative: working in depth with 4 national chapters

In 2023, OWSD laid the groundwork for a new initiative aimed at enhancing Gender in STEM research and outreach in specific countries. Set to launch in 2024, this **pilot project** focuses on four National Chapters to foster collaborative networks, advocate for gender-inclusive academic institutions, and promote datadriven policies to overcome barriers to women's participation in the design and implementation of scientific research.

Bolivia, Nepal, Rwanda, and **Zimbabwe** national chapters will work with an expert consultant in 2024 to collect and map data on challenges faced by women in science, with the goal of informing policymaking and enhancing STEM education accessibility for girls and women. This initiative exemplifies OWSD's commitment to creating an environment where women in science can thrive, and will serve as a model for OWSD National Chapters to collect data and develope responsive outreach programmes across the globe.



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OWSD Guatemala members participate in Expo Biodiversidad in Antigua Guatemala, September 2023, engaging in outreach activities with children to promote awareness about biodiversity and science.

OWSD Egypt organizes the 2nd International Conference "Together to Solve the Problem to Achieve the Sustainable Development Goals," with the opening day on 12 November 2023 at the National Research Center in Cairo.

OWSD Rwanda National Chapter holds workshops to boost the confidence and innovation of young women in higher learning institutions and mentorship through the STAR Program.





OWSD Chile recording the first episode of 'CientíficaMente: Science from a Woman's Perspective,' a new radio talk show fostering conversations among women in STEM launched in collaboration with Universidad Austral in La Serena.

Countries with National Chapters

Countries without National Chapters

Countries with National Chapters established in 2023



OWSD Kenya members from the University of Kabianga conduct mentorship visits to Kipsitet, Kaborok, Tengecha, and Kabianga Girls High Schools, inspiring young women to pursue careers in science.

OWSD Mauritius hosts a Leadership Movie screening at SARO State Secondary School, supported by funding from the Australian High Commission, to inspire and empower young women in leadership and science.

2003 Yemen

2006 India

2008 Egypt

2009 China

Bangladesh South Africa

2010 Nigeria

2017 Sudan

2018

Indonesia Mauritius Myanmar Zimbabwe Ghana Kenya Sri Lanka Rwanda

2019 Botswana

Zambia Cameroon Tanzania Jordan Malaysia Namibia Pakistan Peru Turkey

Uruguay

2020 Malawi

Honduras Senegal Guatemala Mozambique **Palestine** Nepal Brazil

2022

2021

Benin

Bolivia

Morocco

Ecuador

Kazakhstan)

Paraguay Mexico Dominican Uganda Republic El Salvador Chile Nicaragua Colombia Venezuela Central Asia Niger (Uzbekistan, Congo Kyrgyzstan,

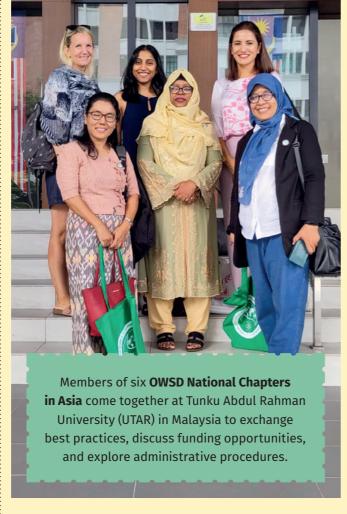
2023 Lesotho Burundi Haiti. Republic

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OWSD's First Regional Meeting of National Chapters in Asia

In October 2023, OWSD proudly hosted the 2nd regional meeting of national chapters in Kuala Lumpur, Malaysia, for the Asia region. The first meeting was held in Pretoria, South Africa in 2022 for the African region. These meetings have been made possible through our partnership with the **International Science Council (ISC)**, which provides funding for members of OWSD national chapters to attend their Global Knowledge Dialogues. This arrangement has proved to be mutually beneficial, with ISC gaining valuable and specific insights from excellent women scientists in the regions who are experienced in communicating their science and speaking up for their needs, while OWSD members liaise with high-level speakers and policy makers and are visible on the international scientific stage. The OWSD regional meeting was held prior to the ISC conference, at Tunku Abdul Rahman University (UTAR), where the OWSD Malaysia National Chapter is based. OWSD National Chapter leaders from six countries addressed key challenges faced by women in science across Asia, exchanged best practices, discussed funding opportunities, and explored innovative administrative procedures. The event highlighted the crucial role of National Chapters in empowering women scientists, with discussions centered on access to fellowships, leadership skills, mentorship, resource sharing, and scientific conferences.

The OWSD Chapters of Malaysia and Myanmar discussed joint initiatives such as organizing webinars







OWSD in Asia

OWSD has been working in Asia and the Pacific since 1997 to improve the number and quality of women scientists. With over **1,896 members in the region** and several active National Chapters, OWSD's efforts have significantly impacted the scientific landscape. Our **PhD fellowships programme** has provided full scholarships to over 77 women in the Asia and Pacific region, including Afghanistan, Bangladesh, Bhutan, Cambodia, Myanmar, Nepal, and Sri Lanka. PhD fellows from 13 countries worldwide have pursued their scholarships at prestigious host institutes in China, India, Malaysia, Pakistan, the Philippines, Sri Lanka, Thailand, and Turkey. **Early Career Fellowships** have also been awarded to **18 women** in Bangladesh, Lao PDR, Mongolia, Myanmar, Nepal, and Sri Lanka,

further demonstrating
OWSD's commitment
to nurturing emerging
scientific talent.

OWSD Vice President
Atya Kapley, from
India, exemplifies the
leadership and vision driving
the organization's mission in the region. The active
engagement of National Chapters, such as those
in India, Pakistan, Bangladesh, Sri Lanka, Indonesia,
Malaysia, Nepal, Turkey, and Myanmar, plays a
crucial role in facilitating networking opportunities,
providing leadership skills training, and promoting

the achievements of women scientists.



on leadership skills. A standout success was the OWSD Myanmar National Chapter's fundraising strategy, which secured substantial grants through United Nations Development Programme (UNDP) projects.

Discussions with representatives from Universiti Putra Malaysia (UPM) opened new opportunities for activities aimed at providing psychological support to OWSD Fellows during their PhD studies.

MOBILITY: OWSD PHD FELLOWSHIPS

With nearly 400 graduates over its 25-year history, the OWSD PhD Fellowships programme has demonstrated outstanding success in fostering scientific talent and advancing research capacity in developing countries.

A total of 576 fellowships have been awarded to women scientists from eligible developing countries. Of these, 389 fellows have graduated and 126 remain enrolled, due to finish their studies by end 2026, reflecting a very low dropout rate (61 fellows in total, equivalent to 10%). This impressive retention rate compares very favourably with other PhD programmes around the world: in the USA, attrition

rates for both men and women in STEM fields range from 36-51% and in Europe the average rate is 60% across all subjects and for both genders. Women embarking on academic careers in STEM subjects from developing countries (and we only include 66 of the least resourced) arguably face multiple challenges on their academic journeys, yet OWSD fellows' impressive retention rates and average completion time (4-6

PhD Fellowship

ELIGIBILITY

- Women in STEM with a master's degree
- Citizens from 66 eligible countries
- Study outside of home country in any developing country in the Global South

INCLUDES

 Monthly stipend, travel grant, tuition fees, support allowance

FUNDED BY

 Swedish International Development Cooperation Agency (SIDA)

years) are testament to both the individual fellow's determination, motivation and resilience as well as **OWSD's administrative and pastoral support**, developed and





improved over many years. A key factor is the **continuous support and communication** between OWSD Fellowships staff and students, which is both attentive and flexible, offering assistance with stipends, travel, study fees, and personal support allowances. Despite the remarkable progress made over the years, 2023 marked a pause in the programme's momentum, as the call for new

Launch of OWSD WISDOM Master's Scholarships

OWSD is proud to announce the launch of the OWSD WISDOM (Women In Science Displacement Outreach Master's Program) for displaced women scientists. This new Master's scholarship initiative is focused on supporting women from OWSD's list of 66 'Scientifically and Technologically Lagging Countries' (STLCs). In collaboration with Hashemite University in Jordan, OWSD will provide at least 10 full scholarships for a 24-month duration. This initiative is backed by an Implementation Partners Agreement approved by UNESCO's contracts committee in December 2023.

The WISDOM program will partner closely with the United Nations High Commissioner for Refugees (UNHCR) and the Global Academic Interdisciplinary Network (GAIN). The Masters programme aligns with the UNHCR Albert Einstein German Academic Refugee Initiative Fund (DAFI) scholarships, offering opportunities to a pool of qualified displaced women scientists.

The program was highlighted at the 2023 Global Refugee Forum (GRF), reflecting OWSD's commitment to supporting displaced women scientists and seeking additional funding to expand the initiative.



CLICK OR SCAN

TO LEARN MORE DETAILS AND WATCH
THE NEW PROGRAMME TRAILER

MOBILITY: OWSD PHD FELLOWSHIPS

MOBILITY: OWSD PHD FELLOWSHIPS

fellowship applications was not opened due to funding cuts.
This was the first hiatus in 25 years, providing an opportunity to reflect on the programme's achievements and consider sustainable options for the future.

Meanwhile, the OWSD Secretariat continues to support the enrolled PhD fellows by collecting progress reports, sending payments to host universities, organizing extensions and return visits, and highlighting success stories.



IN 2023

19

New graduates

(11 full-time and 8 sandwich)

47%

New graduates from LDCs

126

Active fellows

enrolled in ongoing PhD programmes (80 full-time and 46 sandwich)

389

Total graduates

since the programme began in 1998

576

Total Fellowships awarded 1998-2023

359 full-time 217 sandwich

As a silver lining, OWSD repurposed the remaining funds towards a new Master's scholarship to support displaced and refugee scientists. This pilot project is a highly relevant and coherent addition to the suite of programmes offered by OWSD.

Looking forward, OWSD maintains that supporting PhDs in STEM to women from developing countries is fundamental to OWSD's vision and mission – and in creating a coherent career trajectory for women scientists based in poorly resourced regions

of the world. OWSD remains one of the few organisations to focus on the highly productive intersection of women, science and development in academia throughout the global south. Over the next two years, OWSD management, executive board and partners will develop and propose new and sustainable models to ensure the hugely important work begun can resume.

Support Allowance: A Vital Tool for Retaining Women in Research

In January 2023, OWSD took a significant step to further support women scientists by transforming the existing conference support grant into a more comprehensive Support Allowance (USD 4,000 per Fellowship), designed to address the multifaceted challenges faced by female researchers. The support extends beyond academic expenses to include personal and family needs and covers essential costs such as travel expenses for fellows to visit their families during the fellowship, support for accompanying family members, childcare costs, and necessary research and study tools like computers, software licenses, publication fees, and internet access.

The impact of this one-off allowance in addition to the monthly stipend has been profound. In 2023, 66 fellows benefitted from the Allowance which has proven to be a crucial factor in keeping women engaged in their research, allowing them to balance their academic and personal responsibilities.

"The Support allowance was incredibly beneficial.
My studies would not be the same without

this support. It would certainly leave my family in debt because I had no other means of covering these expenses other than a bank loan. After finishing my courses, I would spend another couple of years paying back instead of advancing my profession. As a result, it was critical that OWSD revised the use of these funds. I want OWSD to be proud of women's lives they are improving. "You educate a woman, you educate a generation."

Ms. Chinama Rusizana Jeanne D'Arc, 2019 awardee.

spent the support allowance for additional tickets to travel back home, childcare, technology grant, publication fees, research fees and other expenses contributing to the PhD completion

Celebrating OWSD's 2023 PhD Graduates

In 2023 nineteen women scientists from 13 countries in the developing world graduated with their doctorates.

Every year, we celebrate those OWSD PhD fellows who have recently graduated. These women have overcome many obstacles to reach where they are today, including the COVID-19 pandemic that spread across the world between 2020 and 2022, right in the middle of their fellowships. Now, PhDs in hand, they are ready to embark on the next phase of their careers. From an agronomist studying ancestral forest species

in Benin, to a physicist from Syria developing ultrasensitive sensors to diagnose dopamine deficiencies, to a pharmacologist researching differences in susceptibility and treatment response in patients with cervical cancer in Zimbabwe, they are already making big changes to a world that needs their vision, their knowledge and their talent.

We congratulate the new Drs., and wish them luck on their onward journey!



CAPACITY: OWSD EARLY CAREER FELLOWSHIPS

The Early Career Fellowship is more than just financial support—it is an investment in scientific leaders in the Global South. Each fellowship, worth USD 50,000 over three years, enables women scientists to establish robust research activities, develop laboratories, and build research groups that address critical development challenges.

By the end of 2023, the Early Career programme had supported 112 fellows, with 54 successfully completing their fellowships and the remaining fellows due to complete by 2026. The fellows, selected from across 66 scientifically-lagging countries, represent a **growing network**of exceptional women who are
leading transformative research
projects in their home countries.
Their work spans a broad range
of disciplines, including
agricultural, biological, chemical,
and medical sciences, and their
research is making significant
contributions to local and global
knowledge.

In 2023, the OWSD Early Career Fellowships Programme reached a new milestone with the selection of 28 outstanding women scientists from 16 Science and Technology Lagging Countries

Early Career Fellowship

ELIGIBILITY

- Women in STEM with a PhD degree
- From 66 eligible countries
- Employed at a university or research institute in any of the 66 eligible countries

INCLUDES

 Up to USD \$50,000 over 3 years for equipment, training, & more

FUNDED BY

- Main donor: Canadian International Development Research Centre (IDRC)
- 1 fellowship is supported by Aspen Institute Italia





2023 Early Career Fellow Abena Boakye (centre), based at
Kwame Nkrumah University of Science and Technology, Ghana,
is researching the nutritional potential of indigenous 'soul crops'
and buildind an accompanying database, as well as exploring the
added nutritional value of updating traditional recipes
in the Saboba district of Northern Ghana, where malnourishment
is severe. Ghana has 3.6 million food-insecure citizens and over
700,000 more were expected in 2023. Dr. Boayke's research
guides national and regional policies for community-specific
nutrition and food security interventions.

(STLCs). This cohort, the largest to date, reflects the programme's growing influence and the increasing recognition of the importance of supporting women scientists in these regions. The

new fellows, from countries such as Bangladesh, Benin, Bolivia, Kenya, and Uganda, are set to embark on research projects that tackle some of the most pressing development challenges.

IN 2023

28

EC Fellows selected from

16

Science and Technology Lagging Countries

151

eligible applications

Impact of the OWSD Early Career Fellowships Programme

The OWSD Early Career
Fellowships Programme continues
to be a **game changer for women scientists from developing countries**. The results from a
2023 survey of 40 active Fellows
highlight the far-reaching impact
of the fellowship on research,
capacity building, community
engagement, and personal growth.

In 2023, the majority of Fellows (93%) stayed committed to their research focus, thanks to critical funding from the fellowship to establish or upgrade laboratories. Nearly three-quarters of Fellows (71%) used OWSD funds to equip their research spaces, and 11 new laboratories were created. This enhanced infrastructure allowed Fellows to break new ground in their fields, from pioneering research on climate resilience to creating novel pest control technologies. Many Fellows not only progressed their own

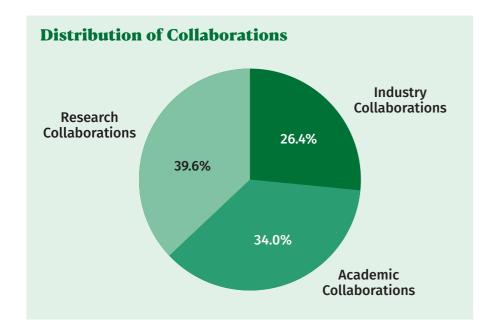
CAPACITY: OWSD EARLY CAREER FELLOWSHIPS

CAPACITY: OWSD EARLY CAREER FELLOWSHIPS

research but also **empowered their teams**, with almost 50% training students and researchers to use advanced equipment.

The fellowship has been a springboard for collaboration. Over 60% of Fellows reported building partnerships with local and international institutions,

with new collaborations forming across scientific, academic, and industrial sectors. These partnerships allowed Fellows to expand their networks and amplify their research impact. For many, the fellowship also opened doors to international conferences and scientific events, with nearly half (48%)





IN 2023

11

new laboratories

set up in 2023

71%

of fellows

used their fellowship funds either to set up or upgrade laboratories

153

outreach activities

implemented

453

beneficiaries of activities

(202 female, 180 male, 71 unspecified)

reporting that the fellowship significantly boosted their ability to travel and engage in global discussions.

The fellowship's ripple effect extended beyond academia. Fellows were active in their communities, leading over 150 educational and outreach activities in 2023. They inspired the next generation of scientists, mentored women in rural communities, and introduced sustainable practices in agriculture and water sanitation. Moreover, one quarter of the Fellows reported influencing local or national policies, advocating

IN 2023

92%

of fellows

reported that the fellowship was highly beneficial for their professional growth

75%

of respondents

have been involved with the National Chapters

48%

of fellows

reported a significant impact of the fellowship on their ability to travel for research, while 20% indicated some impact

25%

of fellows

have proposed or influenced policy changes

for changes that benefit not only their scientific fields but also their societies. From shaping climate resilience strategies to pushing for intellectual property reforms, their research is paving the way for real-world change.

The fellowship has also been transformative for the Fellows' careers. Over 90% said the programme significantly boosted their professional development, with many achieving promotions and securing additional funding.



Responses to survey question:

"Since receiving the OWSD Early Career Fellowships I ..."

Was promoted

41%

Received an increase in salary at my institute

31%

Received more authority and/or responsibilities within my institute

69%

Received more recognition outside of my institute

67%

Was successful in being awarded additional grant funding or fellowships

46%

A growing number of Fellows are **stepping into leadership roles**, both within their institutions and in broader scientific communities. The fellowship has provided a

platform for women scientists to not only pursue their research but also to become role models and leaders, inspiring those around them.



"The fellowship helped me upgrade my status from being a scientist to an industrialist. I am a national figure now, with 11 media coverages, including an interview by Nature magazine"

Hemu Kafle, 2019 Early Career Fellow from Nepal and Chair, OWSD Nepal National Chapter





In 2023, the OWSD Early
Career Fellowships programme
demonstrated its power to
propel women scientists forward,
even in the face of significant
challenges. With the support of
this fellowship, Fellows are making
groundbreaking discoveries,
leading their communities, and
reshaping the future of science.

The 2022 Early Career Fellowships Orientation Workshop

In June 2023, OWSD hosted the annual Orientation Workshop for the 2022 cohort of Early Career Fellows in Trieste, Italy. This event marked their first in-person gathering since the pandemic, bringing together 18 exceptional women scientists from developing countries. Over the

course of five days, the researchers received training in establishing world-class research centres and laboratories in their home countries. The return to an inperson format allowed for richer

interactions, enhanced learning experiences, and the opportunity to build lasting professional connections.

"I settled in at my office today, and I am reflecting on the past week's events with a grateful heart. It was an impactful week, and I have so much to share with my students. Thanks to the OWSD team for this session,"

Mary Adjepong 2022 Early Career Fellow from Ghana and participant in the orientation workshop. Dr. Adjepong is the first OWSD Early Career Fellow whose grant is funded by a new donor, Aspen Institute Italia. She is also made a video for her YouTube channel, sharing her experiences from the week.

An environmental engineer fighting a battle against pollution in El Salvador's largest river

Water contamination is a global crisis, with pollutants like microplastics, pesticides, and pharmaceuticals increasingly threatening ecosystems and public health worldwide. These emerging contaminants, often invisible to the naked eye, pose severe risks, particularly in regions where water treatment

"We should acknowledge what we are lacking, so that we can keep working."

Violeta Alejandra Chichique Martínez 2023 OWSD Early Career Fellow based at Universidad Centroamericana José Simeón Cañas in El Salvador





infrastructure is inadequate. El Salvador's Lempa **River**, the lifeline for over three-quarters of the country's population, is no exception. Once a vital source of drinking water, agriculture, and energy, the river is now dangerously polluted, with far-reaching consequences for the millions who depend on it. In response to this urgent issue, OWSD Early Career Fellow Violeta Martínez has committed her research to investigating and mitigating the pollution in the Lempa River. Since 2021, Violeta has been at the forefront of studying emerging contaminants, using advanced techniques to detect and analyze the presence of harmful substances in the river and the drinking water it supplies. Her research not only highlights the severity of the contamination but also seeks to develop innovative, cost-effective solutions to remove these pollutants and protect the health of the Salvadoran people.

By leveraging international collaborations and cutting-edge technology, Violeta's work is offering hope for a cleaner, safer future for El Salvador.



VISIBILITY: OWSD AWARDS

The OWSD-Elsevier Foundation Awards (OWSD-EF) recognize exceptional women each year who have overcome significant social, economic, and cultural barriers to produce internationally competitive research in their early careers.

Awardees benefit from visibility at high-level conferences and events within their area of research and are often celebrated by national media in their home countries and recognised by government officials.

From 2021 the yearly focus of the awards has been on research areas related to the United Nations
Sustainable Development
Goals (SDGs). In 2023 the focus was on SDG 2: Food Security,

OWSD Awards

ELIGIBILITY

- Women in STEM with a PhD degree
- Citizens from 66 Eligible Countries
- Demonstrable impact on the research environment
- Contribution to UN SDGs.

INCLUDES

- USD 5,000 prize
- Attendance at international events and visibility

FUNDED BY

• The Elsevier Foundation

agricultural productivity & sustainable food production.



VISIBILITY: OWSD AWARDS

2023 Awardees

In February 2023, OWSD announced the seven awardees selected in 2022, who have made significant contributions in the area of food security, agricultural productivity, and sustainable food production. Awardees were offered travel grants to attend the **5th Global Food Security Conference** in Leuven, Belgium in 2024.



CLICK OR SCAN

TO KNOW MORE ABOUT THE 2023 OWSD AWARDEES

Each year, OWSD provides additional opportunities for awardees and alumnae to showcase their work on global platforms, fostering collaborations and enhancing their professional networks. Notable conferences attended in 2023 include:

IN 2023

53

Eligible applications

7

Awardees

32-58

Age range

SDG 2

Focus on SDG 2, Food and agriculture

2023 OWSD AWARDEES



Renuka Attanayake

plant and molecular biology; crop disease identification and management Sri Lanka



Carla Fabiana Crespo Melgar

biotechnology and microbiology; increasing agricultural productivity Bolivia



Haneen Dwaib

nutrition and dietetics; obesity and dietary interventions State of Palestine



Eugenie Kayitesi

food science and technology; improved use of indigenous plant-based foods South Africa



Gabriela Montenegro-Bethancourt

life sciences and nutrition; maternal mortality and child malnutrition Guatemala



Munkhjargal Tserendorj

veterinary medicine, animal and food hygiene; diagnosis and treatment of animal diseases Mongolia



Yeyinou Laura Estelle Loko

entomology, plant genetic resources and crop protection; insect pests and resistant crops Benin



- **Dwaib** (State of Palestine): Oxford Statistical Genomics Summer School, UK (18-23 June 2023).
- Kayitesi (Rwanda) and Loko (Benin): African Continental Conference on Basic Sciences for Transformation in Kigali, Rwanda (13-14 June 2023).
- Attanayake (Sri Lanka) and Munkhjargal Tserendorj (Mongolia): Asian Scientist-Elsevier Foundation Salon for Leadership in STEM, Singapore (25-26 May 2023).
- Crespo Melgar (Bolivia) and Montenegro-Bethancourt (Guatemala): World Conference of Science Journalists, Medellin, Colombia (27-31 March 2023).
- Nkansah (Ghana awarded 2021): World Chemistry Congress IUPAC CHAINS, The Hague, Netherlands (20-25 August 2023).



STORYTELLING, PARTNERSHIPS AND ADVOCACY

OWSD recognizes that advancing the role of women scientists from the developing world requires more than providing resources. Training and tools for telling compelling stories can be game changers.

In 2023, OWSD placed storytelling, partnerships, and advocacy centre stage as critical tools that women scientists from developing countries can use to amplify their contributions to both research and economic sustainability. Through compelling narratives, strong collaborations, and targeted advocacy efforts, OWSD continues to promote visibility for women scientists, driving the global agenda for gender equality in science and ensuring that fellows' research and activities inform policies, inspire future generations, and address global challenges.

Partnering with the Training Centre in Communication (TCC Africa) to amplify women scientists' voices in Africa

Based at the University of Nairobi, Kenya, TCC Africa plays a crucial role in advancing the visibility and representation of women scientists, particularly in developing countries. In 2023, the partnership with OWSD focused on three key objectives: supporting the OWSD Visibility Plan, strengthening external communications at both regional and national levels, and enhancing the dissemination of research outputs.

Initiatives such as "OWSD
Talks", featuring interviews
with OWSD members, and
impactful webinars on topics
like social justice in universities
and gender mainstreaming,
were central to this effort.

Training sessions on podcast creation and how to improve scholarly communication equipped OWSD members with essential skills for further promoting their work within the global scientific community.





More than 130 OWSD members joined an **online 'podcast production' training** on July 5, 2023, led by Adelle Onyango, host of the Legally
Clueless podcast, and Joy Owango from TCC Africa. Adelle guided
participants through the essentials of content creation, sustainability,
and podcast marketing, sharing tips on crafting engaging episodes
and leveraging social media. The session also covered technical
aspects like low-cost equipment options and AI tools for editing.

Strengthening a long-term partnership with the International Science Council to advance gender equality in science

Since 2020, OWSD has fostered a robust partnership with the **International Science Council** (ISC), collaborating on initiatives that promote gender equality and diversity in science. In May 2023, OWSD actively participated in the ISC General Meeting in Paris, where OWSD Coordinator, Tonya Blowers, presented on the inclusion and participation of women in science, alongside strategies for navigating digital communications in the face of evolving technologies. This long-term collaboration was further strengthened through OWSD's participation in the **ISC's** Global Knowledge Dialogue Asia in October. OWSD members shared valuable perspectives on diversity in science systems and ethical challenges for scientists in their home countries. ISC's financial support for the participation of six OWSD

Aspen Institute Italia partnership to support Early Career Fellowships

national chapter leaders from Asia

highlighted the continued impact

of this enduring partnership.

In 2023, **Aspen Institute Italia** sponsored an OWSD Early Career Fellowship, awarding a USD 50,000 grant to **Mary Adjepong**, a researcher at Kwame Nkrumah University of Science and Technology (KNUST) in Ghana. Mary Adjepong's work aims to develop nutrient-rich

Prativa Pandey, 2019 Early Career Fellow from Nepal, speaks at the ISC Global Knowledge Dialogue in Kuala Lumpur (October 6, 2023). She was part of an OWSD delegation of National Chapter Executive Committee Members and Fellows, sponsored by ISC, representing OWSD at the event.

complementary food products to reduce childhood stunting in Ghana and improve cognitive development. This partnership

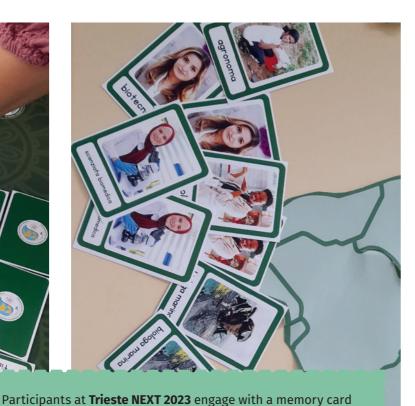
represents a shared commitment to fostering diversity and inclusion in scientific research, laying the foundation for future



was honored at the Aspen Institute Italia Awards for scientific research and collaboration between Italy and the United States. During the event, Dr. Adjepong delivered a compelling presentation on her innovative food-based approaches to improving childhood development through nutrition in Ghana. Her participation, which included speaking on a panel, underscored the critical importance of early diagnosis through biomarkers and tailored diets to address malnutrition and neurocognitive deficits.

STORYTELLING, PARTNERSHIPS AND ADVOCACY STORYTELLING, PARTNERSHIPS AND ADVOCACY





collaborations to uplift women scientists in the Global South.

Alberto Quadrio Curzio.

President Emeritus of the Italian Academy of Sciences and OWSD Ambassador, was instrumental in initiating this partnership, which seeks to bridge the gap between Italian scientific institutions and OWSD. Aspen Institute Italia acknowledges the crucial role of women scientists from developing countries, not only as participants in global scientific discourse but as leaders shaping its future.

The role of storytelling and communications in driving OWSD's mission

In 2023, OWSD made significant strides in aligning communication strategies with fundraising efforts, laying the groundwork for sustained

game created by OWSD, an experiment in gamification designed to raise awareness and shift perceptions about women scientists from developing countries. Trieste NEXT is an annual festival of science and innovation, where OWSD tested this interactive approach to highlight the vital contributions of women scientists from the Global South.



Subscribe to **OWSD mailing list** to receive updates: https://lists.ictp.it/mailman/listinfo/owsdw-update



OWSD LinkedIn:

The Organization for Women in Science for the Developing World (OWSD)



OWSD Instagram:

owsdsecretariat



OWSD X:

OwsdSecretariat



OWSD Facebook:

owsd.net

OWSD Youtube:

OWSD Secretariat

IN 2023

LINKEDIN

Followers

FACEBOOK

Followers

X (EX TWITTER)

+ 20%

Followers

INSTAGRAM

Followers

+ 12,500

Subscribers

to OWSD mailing lists

50

selected opportunities and announcements

disseminated over the year

support and better information management.

Innovative storytelling was a highlight this year, through special projects to celebrate the 25th Anniversary of the OWSD **PhD Fellowships** (funded by Sida since 1998). These projects employed creative tools to highlight the fellowship's impact and demonstrated OWSD's

commitment to amplifying the voices of women scientists. OWSD also explored **gamification as a** unique strategy for advocacy and policymaking, creating engaging, interactive experiences to immerse audiences in the organization's mission. Foundations were set and partnerships established to further develop gamification as a communication tool in future projects.

OWSD's social media platforms

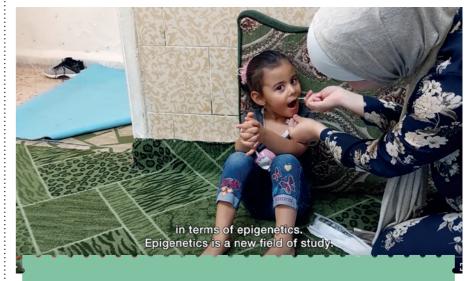
experienced substantial growth in 2023, particularly on LinkedIn, Facebook, and Instagram. By aligning with global digital trends, especially the rising popularity of short-form video content, OWSD was able to increase engagement and extend its reach. Additionally, OWSD continued to make effective use of its mailing lists to maintain consistent communication with members and stakeholders.

Between 2022 and 2023, OWSD produced and released 15 short videos as part of the OWSD Visions project, a storytelling initiative that shines a spotlight on the inspiring journeys of women scientists from the Global South. Guided by Italian filmmaker Nicole Leghissa, audio visual communicators were trained online and in person with support from OWSD national chapters. The films highlighted the stories of 10 Early Career Fellows from countries including Benin, Bolivia, Cameroon, Congo, Ecuador, Ghana, Nepal, Tanzania, and Uganda, as well as OWSD members from Colombia, Jordan, Pakistan, and Senegal.



CLICK OR SCAN

TO WATCH THE OWSD VISIONS



A still from the **OWSD Visions** episode. Dr. Rana Basem Dajani is a pioneering molecular cell biologist from Jordan whose research explores the genetics of ethnic populations and the epigenetic effects of war and displacement on future generations in Jordan. This episode highlights the impact of her groundbreaking work and its significance for the region.

40 OWSD Annual Report 2023 OWSD Annual Report 2023 41 STORYTELLING, PARTNERSHIPS AND ADVOCACY
STORYTELLING, PARTNERSHIPS AND ADVOCACY

IN 2023

15

New films

10

Early Career fellows are protagonists

in the films

3

Film festivals

A selection of these films was showcased at **three major events in Italy** in 2023: an in-person event in Trieste in February, a film festival in Milan in March, and a screening at the prestigious Accademia dei Lincei in Rome



in September. These events provided audiences with a unique opportunity to engage with the **powerful narratives of women scientists** making transformative contributions in their fields and communities.

The Short Films Showcase at the Accademia dei Lincei in Rome in September was a standout event. Endorsed by the Ministero degli Affari Esteri e della Cooperazione Internazionale (MAECI), it underscored OWSD's



pivotal role in advancing science and development. The event opened with remarks from Roberto Antonelli, President of the Accademia Nazionale dei Lincei, followed by contributions from Alberto Quadrio Curzio, President Emeritus of the Accademia and OWSD Ambassador. The government's appreciation was further conveyed through a message from Maria Tripodi, Undersecretary of State for Foreign Affairs and International Cooperation. Presentations by OWSD Coordinator Tonya Blowers, filmmaker Nicole Leghissa, and Aspen-funded Early Career Fellow Mary Adjepong emphasized the significance of the films and their role in elevating the work of women scientists globally.

Events and international influence

OWSD members played a

prominent role in international panels and conferences in 2023, contributing valuable insights on gender in STEM, science communication, and the role of women in addressing global challenges. In March 2023, OWSD participated in the **5th United Nations Conference on the Least Developed Countries (LDC5) in** Doha, Qatar. During this event, OWSD hosted a panel session where young OWSD members from LDCs shared their stories, demonstrating the organization's support for their leadership and scientific contributions.

leaders participated in a **Gender** in STEM Workshop in Accra, Ghana, sponsored by Canada's IDRC. The workshop brought

In June 2023, OWSD Secretariat







OWSD delivered a compelling presentation in Trieste, at the #InsiemepergliSDG event sponsored by the Italian Ministry for Development and Cooperation (MAECI).

together research teams from across the Global South to examine barriers to women's participation in STEM disciplines and share best practices for promoting gender equality. OWSD also played a significant role in the African Continental Conference on Basic Science for Transformation in Kigali, Rwanda, in June 2023. The conference promoted sustainable development through the application of basic sciences in Africa, and OWSD moderated panels and facilitated discussions on promoting basic sciences among women and girls.



At the #InsiemepergliSDG event in Trieste, Italy, in November 2023, OWSD highlighted the crucial link between women in science and the achievement of the Sustainable Development Goals (SDGs). The presentation showcased success stories of women scientists supported by OWSD, emphasizing their contributions to local communities and global challenges.

In December 2023, OWSD participated in the **Global Refugee Forum in Geneva** as part of the UNESCO delegation, where OWSD presented the new WISDOM Master's fellowships for displaced women scientists, seeking matching funding through the forum's pledge mechanism.

OPERATIONAL STRUCTURE AND DONOR COMMITMENT

OWSD is a programme unit of UNESCO, the United Nations Educational, Scientific and Cultural Organization, and is **administered under TWAS**, the World Academy of Sciences.

OWSD is governed by an Executive Board elected by OWSD members every five years.

The Secretariat of OWSD is **hosted on the campus** of the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy.

OWSD is grateful to the following donors for their generous support of OWSD programmes in 2023:



SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY

Swedish International Development Cooperation Agency (Sida)

PhD fellowship programme and Secretariat support



Canada

International Development Research Centre (IDRC) - Canada

Early Career fellowship programme and Secretariat support



The Elsevier Foundation

Awards programme



Aspen Institute Italia

1 Early Career fellowship

OWSD additionally thanks the following private donors who contributed to our programmes in 2023:

One Skin Technologies, John Campbell, Nadia Deen, Karin Perez Leguia Leticia Alves da Silva, Omneya Attallah

FINANCIAL SUMMARY

Financial income and expenditure for the year 2023 is reported in the tables below.*

INCOME ¹	AMOUNT (USD)
Balance brought forward 01.01.2022	1,279,354.71
International Development Research Centre (IDRC), Canada	3.770.459,93
Swedish International Development Agency (Sida)	2.407.229,73
Elsevier Foundation, USA	200.000,00
Contributions from OWSD members	8.480,21
Interest	496.730,00
Transfer to OSWD Reserve Fund	(200.000,00)
TOTAL INCOME	7.962.254,58

	AMOUNT (USD)		
EXPENDITURE	APPROVED BUDGET	SPENT	
1) Fellowships			
1.1 PhD Fellowships	2,000,000.00	1.023.574,41	
1.2 Early Career Fellowships	2,050,000.00	1.675.643,80	
1.3 Additional Early Career Fellowships	785,000.00	772.526,04	
1.4 Fellowship grants continuation	551,000.00	516.076,53	
Subtotal for (1)	5,386,000.00	3.987.820,78	
2) Workshops, Trainings and Resources			
2.1 PhD Fellows Additional Support Allowance Funds	200,000.00	76.000,00	
2.2 Early Career Orientation Workshops	90,000.00	89.662,73	
2.3 Fellows and Members Training Curriculum - Global South Partner 1	100,000.00	46.926,41	
2.4 Fellows and Members Training Curriculum - Global South Partner 2	100,000.00	98.547,93	
2.5 OWSD Mentoring Network	10,000.00	4.945,00	
2.6 OWSD Conferences and Events	20,000.00	8.896,93	
Subtotal for (2)	520,000.00	324.979,00	

Continue on next page

1. All contributions are expressed in US dollars and have been converted using the UN official rate of exchange in effect at the time the contributions were received.

		JSD)
EXPENDITURE	APPROVED BUDGET	SPENT
3.1) OWSD Membership	115,000.00	75.241,2
3.1.1) OWSD Executive Board (including elections)	15,000.00	4.884,5
3.1.2) OWSD General Assembly	0	
3.1.3) Alumnae support	100,000.00	70.356,
3.2) OWSD Awards Scheme	120,000.00	109.761,3
3.2.1) Awards	50,000.00	60.000,0
3.2.2) Travel of awardees	50,000.00	31.776,3
3.2.3) Alumnae support	20,000.00	17.985,0
3.3) Communications, Visibility and Outreach	174,000.00	78.838,1
3.3.1) Video consultant	30,000.00	22.545,9
3.3.2) Graphic design consultant	10,000.00	4.381,1
3.3.3) Global online search portal for OWSD members and fellows	90,000.00	18.741,0
3.3.4) Software licenses and tools	4,000.00	1.949,3
3.3.5) Digital and print materials (including website)	30,000.00	14.246,2
3.3.6) Staff travel	10,000.00	16.974,3
Subtotal for (3)	409,000.00	263.840,7
4.1) Monitoring & Evaluation	60,000.00	34.039,4
4.1.1) M&E Consultant	30,000.00	29.135,4
4.1.2) Research (e.g. indicators and eligibility)	20,000.00	
4.1.3) Mid-term evaluation	0	
4.1.4) Database (FileMaker) consultant	10,000.00	4.903,9
4.2) Implementation costs	1,928,600.00	1.603.846,
4.2.1) Programme support staff	1,368,600.00	1.171.232,
4.2.2) Administrative and finance support staff	430,000.00	341.646,8
4.2.3) Operational expenses	130,000.00	90.967,
Subtotal for (4)	1,988,600.00	1.637.885,5
Management costs	487,732.00	344.814,6
TOTAL EXPENDITURE	8,791,332.00	6.559.340,7
Savings on prior years' obligations		507.328,9

RESERVE FUND ²	AMOUNT (USD)
Amount available at the beginning of the period	200,000.00
Transfer from OWSD account	200.000,00
End of service entitlements	-44.606,81
Reserve Fund balance end of period	355.393,19

2. The purpose of the Reserve Fund is to cover the end of service entitlements of OWSD Staff.

LOOKING FORWARD

OWSD's path to sustainability and impact



In 2023, OWSD faced significant financial challenges, but the resilience and adaptability of the OWSD community turned this into an opportunity for institutional transformation. The Secretariat responded

to funding constraints with innovation, fostering partnerships, and shifting to an advocacy-centered approach. This process of positive reevaluation touched every aspect of the organization, from communication and fundraising strategies to programmatic objectives, laying the groundwork for a more sustainable future.

The **creation of the WISDOM**

Master's Scholarship program

2022 Early Career Fellows in Trieste, Italy, during the orientation workshop in May 2023.

for Displaced Women Scientists in STEM, in collaboration with UNHCR, exemplifies OWSD's capacity to adapt and expand its global reach, even in challenging

OWSD remains deeply rooted in the success of its core programmes, particularly the PhD Fellowships, which have been a cornerstone of OWSD's contribution to gender equality in global research for the last 25 years. Although on pause for now, the programme, alongside the Early Career Fellowships and Awards, is the foundation on which future initiatives will be built. OWSD's strategic vision for 2024 and beyond will continue to draw on the power of committed individual women scientists from developing countries to transform their environments, creating sustainable research cultures and gender-aware academic institutions. OWSD will diversify funding sources and develop new institutional partnerships, working at national and regional level.

OWSD calls on members, supporters, and potential donors to share suggestions and funding proposals to help sustain and expand these vital programmes.

For those inspired by OWSD's mission, we invite you to join us in shaping the future of women in science. Your suggestions and support are crucial in helping OWSD continue to make a lasting impact. Together, we can ensure that women scientists from developing countries have the resources and opportunities they need to thrive and make an impact on the quality and relevance of scientific research throughout the world.

Please reach out to us at owsd@owsd.net with the subject line "OWSD for the future" with your suggestions or pledges to help sustain our mission. Together, we can secure the future of women in science. #FundTheFutureOWSD





Women. Science. Development.



The Organization for Women in Science for the Developing World

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