

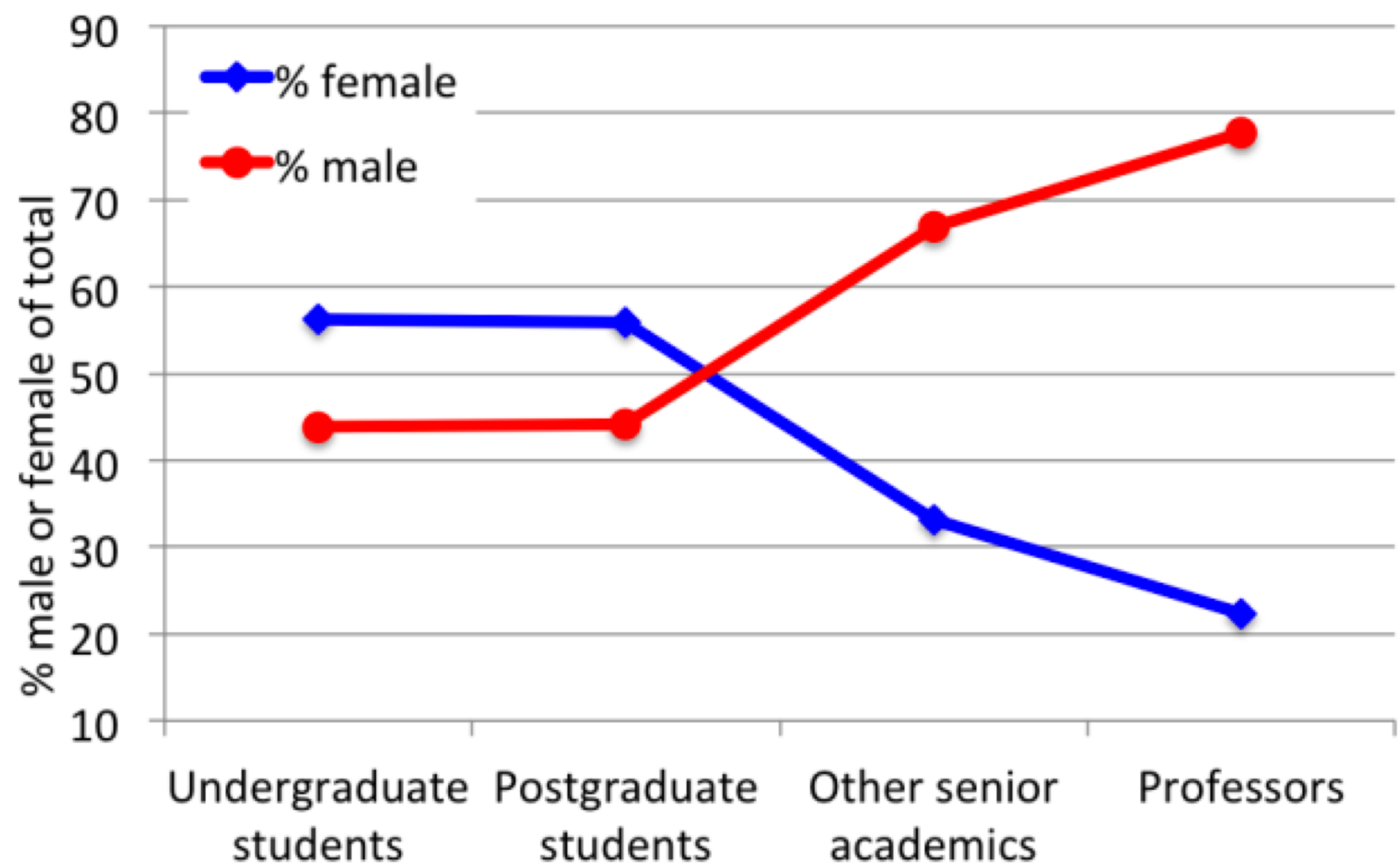


# Organization for Women in Science for the Developing World

## Measuring The Gender Gap in STEM ICTP, Trieste

6 November 2019

*Tonya Blowers, OWSD Coordinator*





# How does OWSD help?

- Networking (membership and national chapters)
- PhD and Early Career fellowships
- Career Development (conference funds and workshop training)
- Prizes (OWSD-Elsevier Foundation awards)

# OWSD PhD Fellowships

Sida funded since 1998

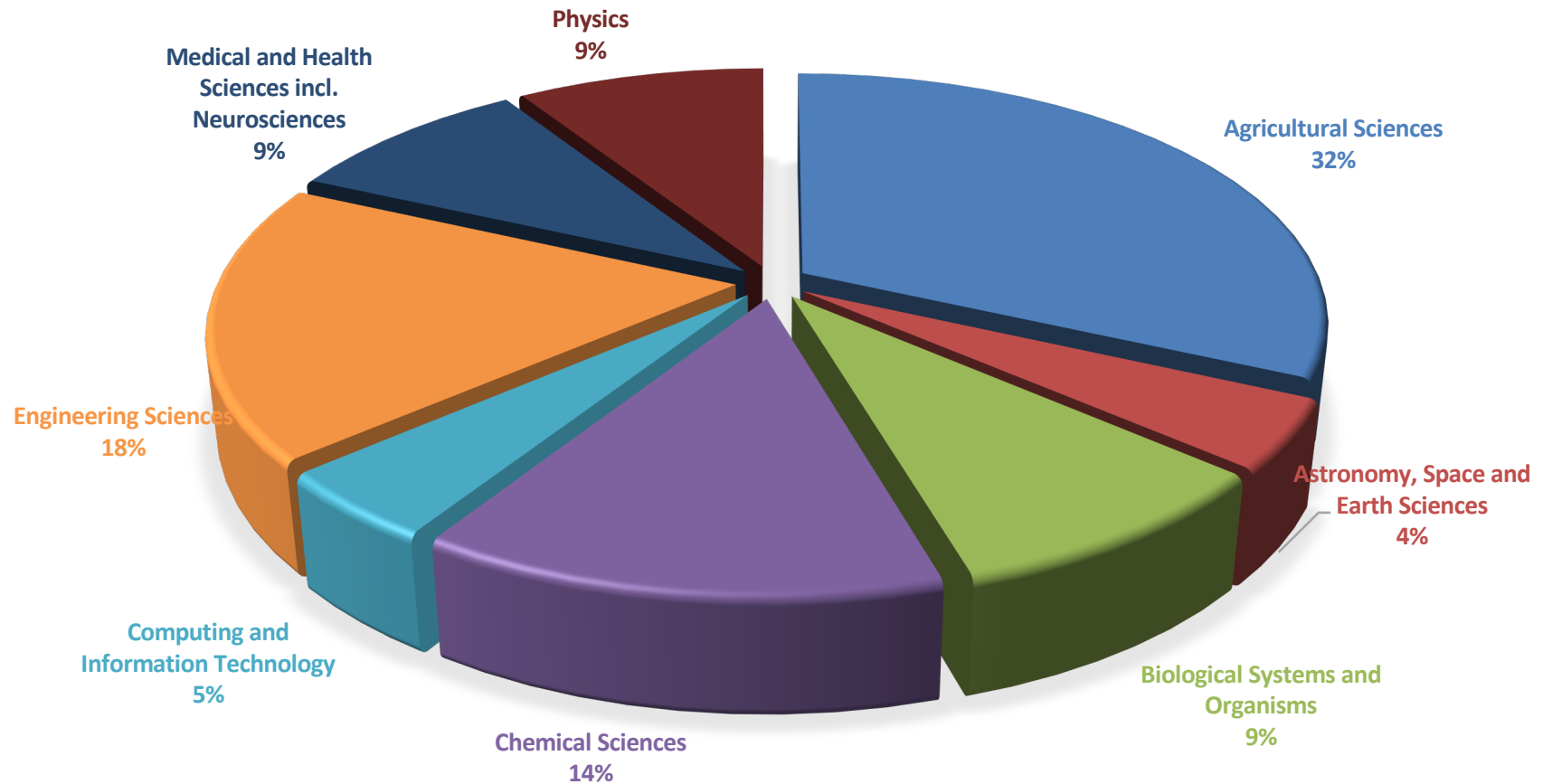
- Women from least developed\* countries
- PhD Training
- Natural sciences
- Host institute in developing country

\* plus 'scientifically and technologically lagging' countries



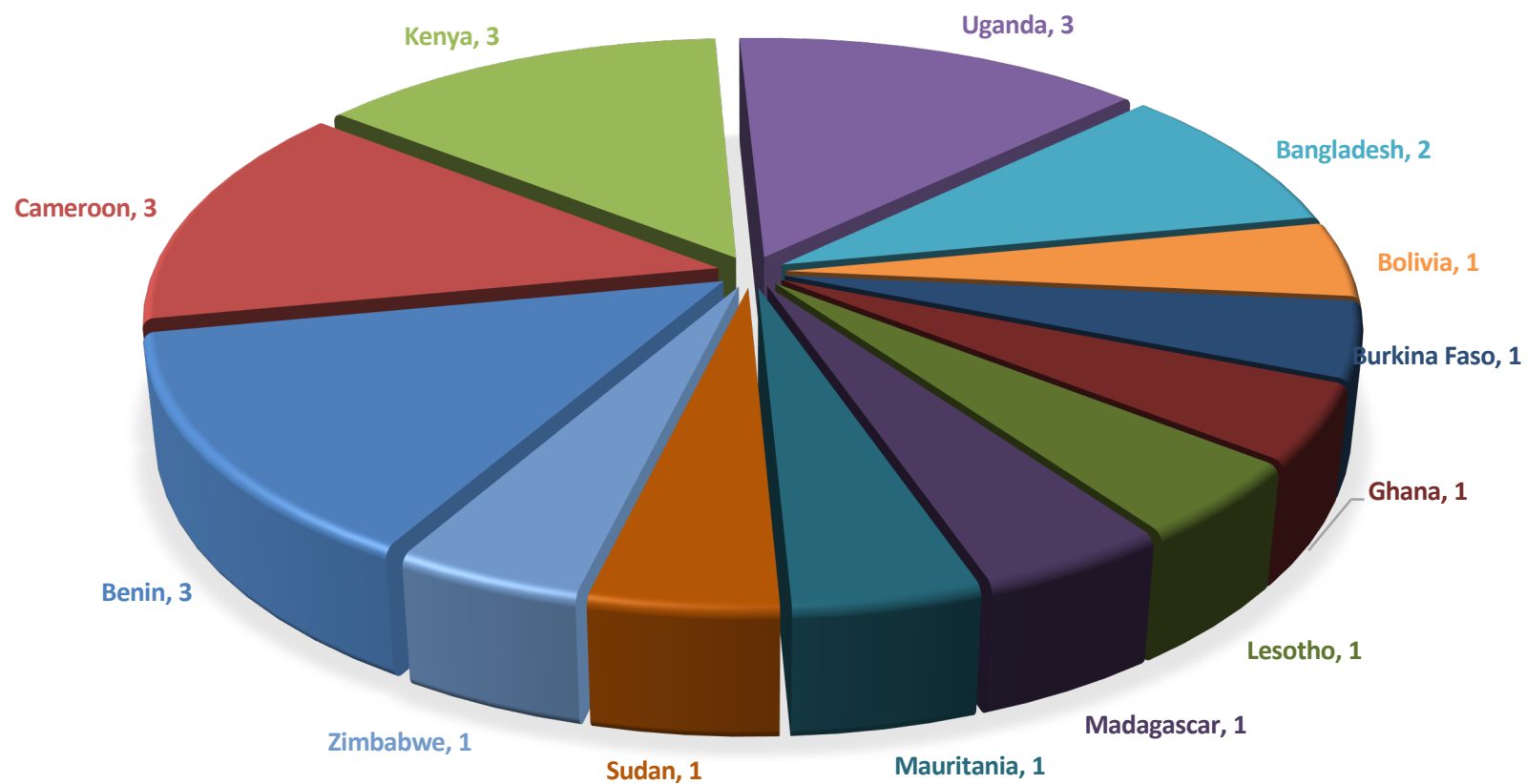
# OWSD PhD Fellowships

2019 PHD AWARDEES BY SCIENTIFIC FIELD



# OWSD PhD Fellowships

2019 PHD AWARDEES BY NATIONALITY



# 66 Eligible Countries

## ‘Scientifically and Technologically Lagging’

### AFRICA

Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Rep, Chad, Comoros, Congo, Côte d’Ivoire, Dem Rep. Congo, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Niger, Rwanda, Sao Tome and Principe, Senegal, Sierra Leone, Somalia, South Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

### ARAB

Djibouti, Palestine (West Bank & Gaza Strip), Sudan, Syrian Arab Republic, Yemen

### ASIA & PACIFIC

Afghanistan, Bangladesh, Bhutan, Cambodia, Kiribati, Lao People’s Dem Rep, Mongolia, Myanmar, Nepal, Solomon Islands, Sri Lanka, Tajikistan, Timor-Leste, Tuvalu, Vanuatu

### LATIN AMERICA & THE CARIBBEAN

Bolivia, El Salvador, Guatemala, Haiti, Honduras, Nicaragua, Paraguay

## Over 260 OWSD PhD Fellows have graduated!





# Meet the Fellows:

## *Kausila Timsina*

In each edition of the OWSD newsletter, we feature one of our current PhD fellows. This time we asked Kausila Timsina, a 2015 fellow from Bhutan, to answer a few questions for us. Kausila is currently completing a full-time PhD fellowship at Sikkim University in India, where she is researching the variability of water flow in the Teesta River Basin resulting from hydropower projects there; her research will help to inform the development of future hydropower projects in order to reduce negative impacts on land productivity and social and cultural practices.



**How did you learn about the OWSD fellowship, and what difference has it made to your career?**

I learned about the OWSD fellowship from a mailing list for fellowship alerts. I had already received an opportunity to do my PhD at Sikkim University in India, so the OWSD fellowship seemed just right for me. Very fortunately, I got awarded the fellowship in

2015. The fellowship has not only made me financially able to do my PhD research, but also gave me opportunities to make connections worldwide, to learn from the experts in my subject, and to present my research findings at the world's best conferences, such as the 2018 [IEEE eScience conference](#). It has also helped me to get various training and networking opportunities.

**What are you researching? What first made you interested in this subject?**

Currently I am working on issues relating to the effects of climate change, hydropower development, and water resource management on ecology and the environment in Bhutan and across the Eastern Himalayas. These effects include changes to land use and land cover (which I assess using GIS and Remote Sensing), and increasing vulnerability of socio-economic livelihoods. My PhD research focuses specifically on the Teesta River in Sikkim, India, which







# Early Career Fellowships

**USD50,000 for 2 years:**

- **Equipment**
- **Training and assistance**
- **Leadership and management**
- **Linking with industry**
- **2 Workshops**
  - **Strengthening Leadership**
  - **Collaborating with industry**



International Development Research Centre

Centre de recherches pour le développement international



*ECWS Fellows attending the first ECWS Workshop in Trieste in December 2018*

# Early Career Fellowships



**Priscilla Kolbea Mante**

Ghana

Senior Lecturer  
Pharmacology  
KNUST

- identify microRNA biomarkers of epilepsy in Ghanaian epilepsy patients
- provide genomic data for management of epilepsy patients in Ghana
- promote accuracy and accessibility of epilepsy diagnosis









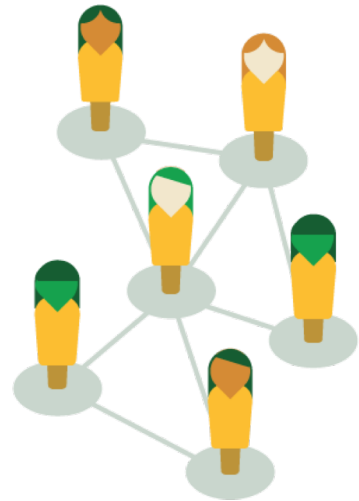
**Evo Morales Ayma** ✓

@evoespueblo



Hoy recibimos a la hermana Narel Paniagua, una amauta, una “biblioteca” de las ciencias biológicas, cuyos logros llenan de orgullo a todos los bolivianos. Nos contó sus iniciativas científicas y nos comprometimos a darle todo nuestro respaldo. ¡Muchas felicidades!

# OWSD Members



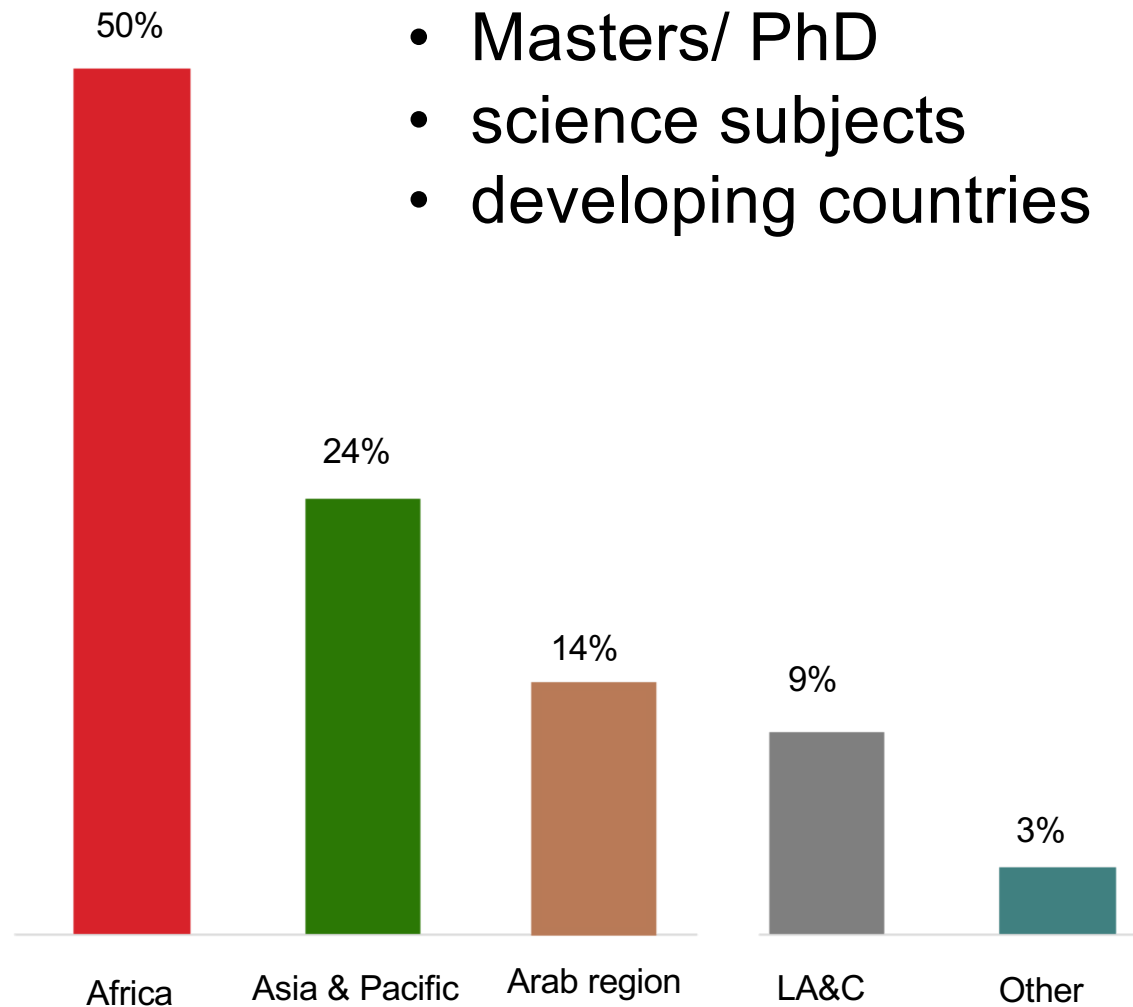
8800+ Members



137 Countries

90+% =

- women
- Masters/ PhD
- science subjects
- developing countries



AFRICA

ARAB STATES

ASIA &amp; PACIFIC

LATIN AMERICA &amp; CARIBBEAN

OTHER COUNTRIES

## MALAWI

**37** Members **1** PhD Fellow **4** PhD Graduates

**1** Early Career Fellow

There is no OWSD national chapter in this country at present. To find out more about setting up a national chapter please read the [National Chapter Guidelines](#).

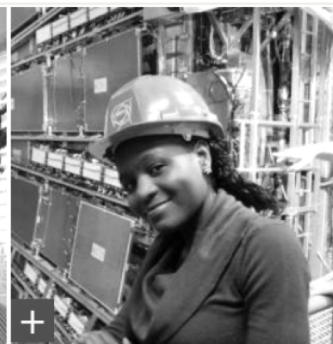
[FIND MORE](#)



## ZAMBIA

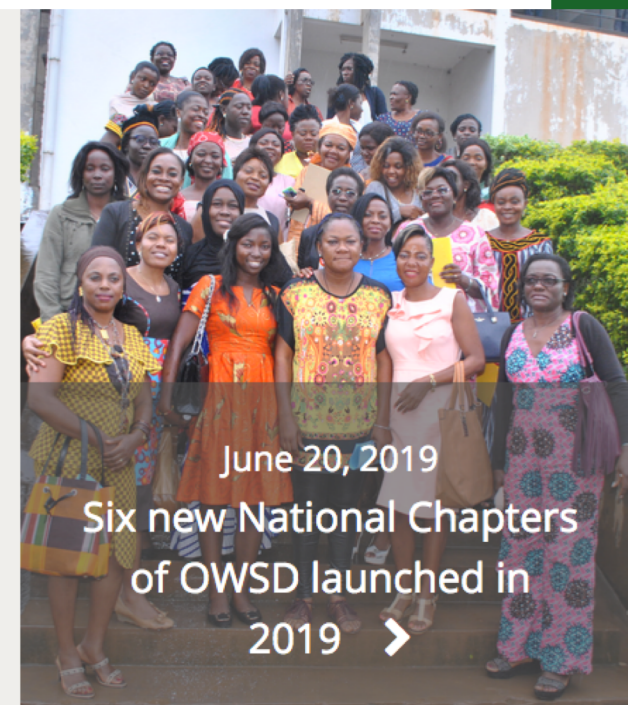
**36** Members **3** PhD Fellows **4** PhD Graduates

There is no OWSD national chapter in this country at present. To find out more about setting up a national chapter please read the [National Chapter Guidelines](#).





# National Chapter Launches



# Uruguay NC Launched October 2019





# Uruguay NC Members

## URUGUAY



**95 Members**

The OWSD Uruguay National Chapter was established in April 2019. It is hosted at the Dirección de Innovación, Ciencia y Tecnología para el Desarrollo (DICYT), a department of the Ministerio de Educación y Cultura (MEC), in Montevideo. Among the National Chapter's activities are information-gathering related to women's participation in research and scientific teaching and leadership, redefining role models, and mentoring future generations of women in science.

**Contact person:**

Ana Inés Zambrana

[zanaines@gmail.com](mailto:zanaines@gmail.com)



# Rwanda launches OWSD National Chapter

March 26, 2018

On 23 March, the Rwandan Association of Women in Science and Engineering (RAWISE), together with the OWSD Secretariat, celebrated the launch of the Rwanda OWSD National Chapter in Kigali.



On 23 March, the [Rwandan Association of Woman in Science and Engineering](#) (RAWISE), together with the OWSD Secretariat, celebrated the launch of the Rwanda OWSD National Chapter in Kigali, Rwanda. RAWISE, which will host the National Chapter, is a non-profit organization based in Kigali that aims to increase the number of women and girls in STEM fields in Rwanda and provide a platform for women scientists and engineers to meet, discuss and collaborate.

The launch event was held at the Lemigo Hotel, and was attended by the RAWISE organizers and other members, OWSD President Jennifer Thomson, OWSD Coordinator

# OWSD Rwanda regional workshop brings together African women scientists

November 23, 2018



From 16-19 October, the OWSD Rwanda National Chapter together with the [East African Institute for Fundamental Research \(EAFIR\)](#), an institute of the [International Centre for Theoretical Physics \(ICTP\)](#), hosted a career development workshop for women in science in Kigali. The workshop was designed to empower women to become successful in scientific careers, and included sessions on various professional skills including publishing, grant proposal writing, delivering presentations, negotiation, mentoring and networking, and writing a CV writing, among others. It was held at the new EAFIR building on the campus of the [University of Rwanda's College of Science and Technology](#).

The workshop brought together 70 participants from 14 countries in Africa as well as the US, India, and the OWSD Secretariat in Italy. Among the participants were 23 current OWSD PhD fellows and alumnae.

The workshop opened on 16 October with keynote speeches by representatives from the Rwandan Ministry of Education, ICTP, EAFIR, the University of Rwanda, OWSD, and the Rwandan Association for Women in Science and Engineering (RAWISE). In her opening remarks, Marie-Christine Gasingirwa, Director General for Science, Technology and





# OWSD Rwanda: Inspiring girls and women in STEM

June 27, 2019

The Rwanda National Chapter of OWSD, established in March 2018, has quickly become one of the most active Chapters, particularly in its outreach activities to women and girls in universities and local secondary schools. The National Chapter is hosted by the [Rwandan Association of Women in Science and Engineering \(RAWISE\)](#) at the [University of Rwanda - College of Science and Technology \(UR-CST\)](#) in Kigali. Below are a few of the activities that OWSD Rwanda has been busy with in 2019.

## International Day of Women and Girls in Science



In recognition of the 4th United Nations [International Day of Women and Girls in Science](#) on 11 February, the OWSD Rwanda National Chapter in collaboration with RAWISE organized a breakfast discussion around the theme of "Investment in Women and Girls in Science for Inclusive Green Growth." The breakfast was held on Saturday, 9 February at the Lemigo Hotel in Kigali. The half-day programme combined scientific talks with informational speeches and a panel discussion aimed at showcasing and highlighting the potential of Rwandan



# YOUR NAME HERE

Your position and institute

A very brief description of your field and main or current area of research/research interest, i.e. "An environmental microbiologist working on the conversion of biomass and other waste materials into useful compounds using bacteria. Specialized in producing polyhydroxyalkanoates (PHAs)."

Your email address

## PUBLICATIONS

1. List the publication you feel is of most importance to your research/career
2. List the publication you feel is of 2nd most importance to your research/career
3. List the publication you feel is of 3rd most importance to your research/career

## GRANTS AND AWARDS

List the most important grants and/or awards that you have received throughout your career.

## COLLABORATIONS

List 1-3 of your most significant collaborations, including in an academic setting or with industry.

## ENTREPRENEURIAL ACTIVITIES

Describe any entrepreneurial activity you have taken, i.e., collaboration with industry, applying for/holding a patent, organizing a pilot programme to implement a new technology or procedure.

## SUPERVISING AND MENTORING

Describe your experiences as a supervisor or mentor, including numbers of students supervised/mentored and specific impacts, i.e., 'all five of my masters' students went on to complete their PhDs', or 'I was able to provide online mentoring to a student who could not find a mentor at her own institute.'

## PUBLIC ENGAGEMENT

Describe any experience you have had with public engagement, including outreach to schools, speaking engagements for lay audiences, writing articles for newspapers or other public media, taking part in expositions or fairs, writing a blog, engaging on Twitter, Facebook or other social media.

## LEADERSHIP AND MANAGEMENT

Describe your experiences in a leadership or management position, i.e., as head of a department or member of an academic or editorial decision-making body, as part of an executive committee (for example of an OWSD National Chapter or other professional organization), as PI in your lab.

## CIVIC CONTRIBUTION

Describe your experiences participating in civic society, i.e. providing expert advice or contributing to policy processes.

## GREATEST CAREER ACHIEVEMENT(S)

Describe, in your own words, what you feel to be the greatest achievement(s) of your career so far.



*Thank you*



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