

SCHLUMBERGER FOUNDATION

2021 ANNUAL REPORT



"The study of science, technology, engineering and mathematics (STEM) is vital for all nations and is especially critical for women from developing and emerging economies. The Schlumberger Foundation is committed to gender parity in science and recognizes that full access to and participation in a STEM curriculum is essential for the empowerment of girls and women."

Roseline Chapel

Schumberger Founda

President, Schlumberger Foundation

SCHLUMBERGER FOUNDATION

2021 ANNUAL REPORT



Schlumberger Foundation

04



Table of Contents

Introduction—Word from the President	06–07
Financial Overview 2021	08–11
Faculty for the Future Program in 2021	12—17
Women in STEM	18–31

Introduction

Word from the President



chlumberger **Foundatio**

Roseline CHAPEL

President Schlumberger Foundation As the pandemic reaches over one year of age, the world has become more complex and people more isolated, but so far, thankfully, the impact on Faculty for the Future Grantees has not been significant.

In **2021**, we focused more closely on these eligible countries from which we receive historically very few or no applications. Economic challenge and gender disparity in tertiary education being the main drivers of country eligibility, we intend to make an impact in every country in scope. The FFTF Call for Application was further enhanced to ensure that we can reach women scientists in need of financial support to pursue PhD or Post-Doctoral research in top institutions worldwide in Science, Technology, Engineering and Mathematics. In time, as they make their way home to resume an academic career, join research institutes, policy-making organizations, or the private sector, we trust our support to their scientific journey will help them shine as models and pave the way for more women to join and develop scientific achievements in their home countries. With internationally recognized degrees and connections, the talent pool of their home country institutions increases and helps resolve more ecological, medical and technological issues.

World and regional challenges have never been so pressing on scientific competences and worldwide collaboration. More than ever, these areas require unrestricted participation by all who wish to participate; our commitment to scientific education and gender balance is our way to play our part.





Financial Overview

08

Schlumberger Foundation



Financial Overview

Schlumberger Foundation

In **2021**, the Schlumberger Foundation continued with its flagship Faculty for the Future program focused on advanced academic research in STEM disciplines for women scientists from the developing world. The key goal of the program focuses on reducing the gender gap in STEM education by breaking down the economic barrier that prevents women from achieving their educational aspirations.

For the **2021-2022** academic year, a total of **31** new fellows were admitted in 2021 bringing the total population receiving financial support from this program to **770** female scientists from **84** developing countries, studying in **32** host countries around the world.

The total of **31** new grants awarded in **March 2011** represents an increase of 63% YoY. The **55** renewed grants awarded represents a 29% decrease YoY. Grant spend increased by 4% YoY reaching **\$3.3M** (vs \$3.2M in 2020). **73%** of the total grant spend in 2021 was disbursed to grantees studying in the United Kingdom and the United States: **\$1.7M** and **\$843k** respectively (2020: \$1.4M and \$1M last year). The remainder was disbursed to grantees enrolled at universities in Australia, Canada, Europe, New Zealand and South Africa.

For the **2021-2022** academic year, the Faculty for the Future program received **138** new applications were submitted in **2021**. The lower volume of submissions compared to last year (235 in 2020) could be attributed to the COVID-19 pandemic from December 2019 with its effects lasting until end of 2021. In addition, a total of **57** renewal applications were submitted with the numbers remaining flat from the previous year.





THE FACULTY FOR THE FUTURE PROGRAM IN 2021:

12

Schlumberger Foundation

RESEARCH TYPE AND COUNTRY OF STUDY 770 FELLOWS FROM 84 COUNTRIES STUDYING IN 32 HOST COUNTRIES



directlyfocused on home country related issues.



14

Schlumberger Foundation

2 Polytechnic University of Milan

1 Seoul National University

University of Lausanne

1 University of Zurich

Ewha Womans University, Seoul

Technical University of Denmark

Queensland University of Technology

Technological University of Malaysia

Norwegian University of Life Sciences

China University of Petroleum, Dongying

University of Copenhagen

1 Telkom Institute of Technology

1 Universiti Teknologi Mara

1 Univeristy of Pisa

Italy

3 South Korea

Switzerland

2 Denmark

2 Indonesia

2 Malavsia

2 Norway

China

Iran

1 Kenya JKUAT

Mexico

Poland

Portugal

\ /IDT

Singapore

1 Taiwan

UNAM

NTNU

University of Tehran

University of Warsaw

University of Lisbon

Number of Fellows studying (or have studied) in host country

National University of Singapore

Taipei Medical University, Taipei

Russian Federation

Eawag

GIST

THE FACULTY FOR THE FUTURE PROGRAM IN 2021: HOST UNIVERSITIES

770 FELLOWS FROM 84 COUNTRIES STUDYING IN 32 HOST COUNTRIES

255 United States

Schlumberger Foundation

16

18 Massachusetts Institute of Technology 13 Texas A&M University 10 Georgia Institute of Technology 10 Harvard University 9 University of Texas at Austin 7 Pennsylvania State University University of Florida Uni, of Illinois, Urbana-Champaign 6 Purdue University Stanford University 6 University of California, Irvine 6 5 California Institute of Technology University of California, Berkeley 5 5 University of Georgia 5 University of South Florida Arizona State Universtiv Carnegie Mellon University Columbia University Cornell University Louisiana State Úniversity New York University Λ Ohio State University **Rice University** Δ Duke University 3 Iowa State University 3 Johns Hopkins University North-Carolina State University 3 Northeastern University 3 University of Arizona 3 University of California, Davis 3 University of Connecticut 3 Uni. of North Carolina, Chapel Hill Auburn University Boston University Drexel University 2 Michigan State University Northwestern University Oklahoma State University Princeton University Rutgers University South Dakota State University Svracuse University Texas Tech University University of California, San Francisco University of California Santa Barbara University of California, Santa Cruz University of Colorado University of Maryland University of Michigan University of Minnesota 2 University of Notre Dame University of Pittsburgh University of South Carolina 2 University of Tennesse, Knoxville 2 University of Wyoming 2 Vanderbildt University 2 Yale University

Brandeis University Boston College Colorado School of Mines, Golden Georage Mason University Lawrence Berkelev National University Missouri Uni. of Science and Tech. Montana State University National Institutes of Health New Jersey Institute of Technology Ohio University Scripps Research Institute State University of New York, Buffalo Tennessee Technological University University of California at Los Angeles University of Chicago University of Delaware, Newark University of Houston University of Illinois at Chicago University of Kansas University of Massachusetts University of Miami University of Nebraska-Lincoln Uni, of North Carolina at Charlotte University of Texas at San Antonio University of Utah

University of Washington
 University of Washington, Seattle

225 United Kingdom

39 University of Cambridge 16 University of Nottingham 14 Imperial College, London 12 University College London 12 University of Manchester 10 University of Oxford 8 University of Bath 8 University of Southampton University of Leeds University of Strathclyde King's College London Lancaster University University of Reading 5 Newcastle University 5 University of Surrey 5 University of York University of Sheffield University of Birmingham University of Bradford University of Edinburgh University of Glasgow Bangor University Cardiff University De Montfort University Loughborough University Queen's University, Belfast University of Aberdeen University of Bristol 2 University of Dundee

- University of Exeter
 University of Huddersfield
- 2 University of Hull
- 2 University of Leicester
- 2 University of Stirling
- 2 University of Wolverhampton 1 Aston University
- Cranfield University
- Durham University
- Keele University
- Manchester Metropolitan University
- Plymouth University
- St George's University of London
- University of Essex
- University of Greenwich
- University of Liverpool
- University of London, Royal Holloway
- University of Portsmouth
- University of Roehampton
- 1 Northumbria University
- 1 University of West London

51 South Africa

- 19 University of Cape Town
- 9 Stellenbosch University
- 7 University of the Witwatersrand
- 6 University of Pretoria
 - 3 Rhodes University
 - 2 Tshwane University of Technology
 - 1 Nelson Mandela Metropolitan Uni.
 - 1 North West University, Potchefstroom
 - 1 University of Johannesburg
 - 1 University of Kwazulu-Natal
 - 1 University of the Western Cape

40 Germany

- 6 University of Bonn
- 3 Saarland University
- 3 Technische Universitat Berlin
- 3 University of Ulm
- Hamburg University of Technology
 Heinrich Heine University of Dusseldorf
- 2 Jacobs University. Bremen
- 2 University of Leipzig
- 1 Carl von Ossietzky University
- Chemnitz University of Technology
- 1 Darmstadt University of Technology
- 1 Europa University Flensburg
- 1 Free University of Berlin
- 1 GEOMAR
 - Hambourg Uni. of Applied Science
 - Humboldt University of Berlin
- 1 Ruprecht Karls Universität Heidelberg
- 1 Technische Universität Hamburg
- 1 Technische Universitat Ilmenau
- Technische Universitat Munchen
 - Technical University of Dortmund
- University of Hamburg

- 1 University of Kassel 1 University of Konstanz
- 1 ZSW

1 Aix-Marseille University

University Toulouse III

ENSICAÉN

14 Japan

2

2

13 Belgium

7 Sweden

6 Finland

5 Spain

4 New Zealand

BOKU

3 Austria

3 Ireland

University of Lille

1 University of Orleans

Kvoto University

Chiba University

Niigata University

Ghent University

Hokkaido University

Keio University, Tokyo

1 Tokyo University of Science

3 Katholieke Universiteit Leuven

University of Antwerp

University of Liege

1 University of Mons

Umea University

Lund University

1 Uppsala University

Aalto University

1 University of Oulu

Linkoping University

University of Helsinki

2 University of Barcelona

Massey University

1 University of Auckland

University of Canterbury

1 Vienna University of Technology

University College Dublin

University College Cork

University of Eastern Finland

3 Polytechnic University of Valencia

Universite de Franche-Comte

Centrale Graduate School, Marseille

Ecole Superieure du Bois, Nantes

Universite Bordeaux Montaigne

Kyushu University, Fukuoka

Tokyo Institute of Technology

Tokyo Uni. of Agriculture & Technology

Swedish Uni. of Agricultural Science

35 Netherlands

- 12 IHE Delft Institute for Water Education
- 5 Delft University of Technology
- 4 University of Groningen 4 Utrecht University
- 3 Wageningen University
- 2 IHE Delft Institute for Water Education
- 2 University of Amsterdam
- 1 Rijksuniversiteit Groningen
- 1 University Medical Center Groningen
- 1 University of Twente

34 Australia

7 University of Queensland
 4 James Cook University

- 3 Queensland University of Technology
- 3 University of Sydney
- 2 Murdoch University, Perth
- 2 University of Canberra
- 2 University of Melbourne
- 2 University of Technology Sydney1 Australian National University
- 1 Curtin University
- 1 Flinders University, Adelaide
- 1 Monash University
- 1 University of Adelaide
- 1 University of Newcastle
- 1 University of New South Wales
- 1 University of South Australia

1 University of Western Australia, Perth

- 33 Canada 5 University of British Columbia
 - 4 University of Toronto
 - 4 University of Waterloo
 - 3 McGill University
 - 3 McMaster University
 - 3 University of Alberta
 - 2 University of Victoria
 - 2 University of Calgary 1 INRS
 - Carleton University

1 Universite du Quebec

2 University of Paris Sud 11

2 University of Strasbourg.

Universite Joseph Fourier

1 Albert Bonniot Institute, Grenoble

ISAE-SUPAERO

16 France

Ecole Polytechnique de Montreal Northwestern University University of Western Ontario

Queen's University, Kingston

Women in STEM

18 Schlumberger Founda

A Closer Look at some 2021 Fellows

In this section we take a closer look at some profiles of the women scientists who were awarded a Faculty for the Future fellowship in 2021. These talented, self-driven scientists come from Namibia, Rwanda, Democratic Republic of Congo, Nicaragua, Sudan, and Bhutan. Their research topics are focused on questions relevant to solving specific issues in their home countries and will help to bridge knowledge gaps in a wide variety of areas. Each successful outcome will bring these scientists one step closer to achieving the valuable research goals they have set for themselves which will in turn positively impact the livelihoods, health and education of their local communities, regions and countries.

The advanced research projects discussed below are as wide-ranging as they are compelling and tackle topics such as the transformation novel drugs for treating tuberculosis and other pathogens, policies related to land use land cover change as a result of human activities and natural factors, biocontrol for plants grown in a humid tropical climate, framework to estimate the water deficit index for agriculture based on water accounting and the Analysis of the Contiguous Drought Area, understanding how ecosystem diversity influences vector and virus populations in light of large-scale land-use changes in rural Africa and biodiversity conservation and protected area management as a country's growth and prosperity.

As diverse in scope and subject matter as they would appear, there is, however, a common thread running throughout the narrative of these research topics: clearly, advanced research in STEM is necessary to formulate the scientific basis needed to propose better policies and generate social awareness. There can be no advancement, nor change, without the help of advanced scientific research. The Schlumberger Foundation through its Faculty for the Future program is committed to ensuring that advanced research programs in STEM are funded to talented women scientists whose research specializations hold the key to tangible advancement—while reducing the gender gap in STEM in developing countries.

Novel Drugs for Tuberculosis and other Pathogens

Dr Klaudia Talohole ANGULA



Schlumberger Foundation

Home Country Namibia

Degree

PhD in Pharmaceutical Chemistry

Expertise

Synthesis and Biological Evaluation of Novel Drugs

Research Focus

Novel Drugs for Tuberculosis and other Pathogens

Host University Northwest University (NWU), South Africa

Fellowship Awarded 2021 Klaudia Talohole Angula was born in Ohakweenyanga, a village in northern Namibia. When she was 4 months old her parents lived 400 miles (640 km) away in Windhoek, the country's capital, leaving Klaudia under the care of her maternal grandparents and an aunt. She grew up doing house chores, field work, and selling fried fish to cuca-shops (unlicensed houses selling fermented liquor).

Klaudia went on to attend the University of Namibia (UNAM) in Windhoek, where in 2005 she obtained a BSc in Chemistry and Physiological and Molecular Biology. She then worked in several temporary positions in the educational and mining sectors to earn a living and plough back to her family. In 2009, she was awarded a bursary by Rio Tinto, which owned the Rössing uranium mine in the Namib Desert, to study towards a BSc (Honours) in Chemistry at the University of Stellenbosch, South Africa. After graduation Klaudia was obliged to work for the mine as a laboratory shift chemist until 2013, when she rejoined UNAM as a laboratory technologist. In 2015, she took staff development leave to work towards an MSc in Pharmaceutical Chemistry at NWU, which she graduated in 2017. Upon completion of the MSc program, Klaudia had an obligation to return to work in the role she held prior to embarking on MSc studies. In July 2017 she and her husband Mr Remigius Angula were blessed with a son Remigius (junior) whose second name is "Tanga-Ohole", a name derived from their second names, Tangeni and Talohole, meaning "praise love."

In 2019, she was promoted to Senior Laboratory Technologist position. Motherhood has not derailed Klaudia in her academic career aspiration, thus in 2020 she enrolled for her PhD studies back at the NWU leaving behind her toddler son and husband. In 2021 received the Faculty for the Future Fellowship to pursue her PhD. Her research was based on the organic compound quinolone, derivatives of which represent a large class of important antibiotic drugs. Because of the versatility of the quinolone scaffold her work has a particular focus on the evaluation of substituted quinolone derivatives against tuberculosis and other bacterial pathogens and provide her with exposure to advanced analytical techniques such as Nuclear Magnetic Resonance (NMR) spectroscopy.

After her graduation in December 2022, Klaudia returned to UNAM in her role as a senior technologist, and she will be eligible for promotion to Chief Laboratory Technologist after serving at least 3 years. Meanwhile she is looking into registering as a professional health scientist in Namibia. This will form part of the basic requirements for her plan to establish a pharmaceutical drug research laboratory at the University. She is also working on new drug discovery research in collaboration with her colleagues at UNAM and South Africa. Klaudia plans to volunteer as science project mentor for young girls in local schools in Windhoek and also extending to her Alumni school in northern Namibia where she is currently a custodian of the fundraising account aimed at assisting vulnerable good performing learners.



Land Use Land Cover Change and River Hydro-morphology

Naomie KAYITESI MANISHIMWE



Home Country Rwanda

Degree PhD in Earth Sciences

Expertise

Water Resources and Remote Sensing

Research Focus

Land Use Land Cover Change and River Hydro-morphology

Host University University of Lausanne, Switzerland

Fellowship Awarded 2021

Naomie Kayitesi Manishimwe was born in August 1992, in Kigali, the capital city of Rwanda. When she was only one and half year old, her country Rwanda experienced the darkest chapter in its history "Genocide against Tutsi", in which Naomie lost her three siblings and most of her family members. Her parents fortunately survived and were later reunited with more than 20 displaced extended family members.

Despite her turbulent early childhood, Naomie attended school in Kigali and achieved excellent grades for which she received scholarships. She graduated from one of the best high schools for girls in her country with qualifications in mathematics, physics, and geography. Naomie gained entry to the College of Science and Technology at the University of Rwanda, Kigali, and in 2015 obtained a BSc in Civil Engineering. Her undergraduate studies focused on water supply systems, and she was subsequently given the opportunity to study at the Institute of Water Education, IHE Delft, the Netherlands, where in 2019, she gained an MSc in Water Science and Engineering, specializing in Land and Water Development for Food Security. Since then, she has been working with the International Union for Conservation of Nature (IUCN) in the East and Southern Africa Region.

Rwanda is a small landlocked mountainous country that has suffered from issues including land degradation, deforestation and reducing water resources, mainly due to human activities and natural disasters. Naomie's PhD research focuses on modelling land use and hydrological changes in order to help understand river flow dynamics and support policy development in overcoming the country's environmental challenges in the face of socio-economic and climate induced changes. Naomie expects that her studies in Switzerland will enhance her contribution towards research into remote sensing and water resource management and help provide solutions to problems related to these topics in Rwanda.

Biocontrol of Fungal Pathogens on Peanuts

Virginie KORANGI ALLELUYA



Schlumberger Foundation

Home Country Democratic Republic of Congo

Degree

PhD in Agronomy and Bioengineering

Expertise Microbiology, Food Science

Research Focus Biocontrol of Fungal Pathogens on Peanuts

Host University University of Liège, Belgium

Fellowship Awarded 2021 Virginie Korangi Alleluya was born in Mons, Belgium. Her passion for science started at a young age when she was fascinated by observing nature, especially plants. She started to read, write and draw while in Belgium and continued this when her family returned to the Democratic Republic of Congo (DRC) when she was a child. Virginie's parents encouraged her interest in science and nature, and at high school she specialized in biology and chemistry, graduating with Distinction in her State Diploma.

Virginie chose Agronomics when she started her university studies, initially at the Institut Facultaire des Sciences Agronomiques de Yangambi and then at the University of Kinshasa (UNIKIN), located in the capital and the largest city of the DRC, where she received a Diploma in Agronomic Sciences with Distinction. She remained at UNIKIN and in 2008 gained a Diploma of Agronomic Engineering, specializing in Chemistry and Agricultural Industries, again graduating with Distinction. Virginie has been a teacher and researcher at UNIKIN since 2011 and has also worked as quality controller and supervisor of a wastewater treatment plant at a brewery. In 2014 she was awarded a scholarship by the Belgian government that enabled her to study towards an MSc in Food Science and Technology at the Université Catholique de Louvain and Université de Liège, Belgium, where she graduated the following year with Distinction. The PhD investigates biocontrol for plants grown in a humid tropical climate. Damage to peanut plants has traditionally been controlled using chemical pesticides, however improper use of these chemicals has been responsible for many accidental poisonings and deaths, especially in African countries such as the DRC. The use of biological tools for pest control would alleviate the damage that chemicals can do to people and the environment.

The knowledge and skills learned during her PhD studies will help Virginie in her teaching activities at UNIKIN and help to build links with international research institutions.

Analysis of Optimal Drought Management Scenarios

Ingrid Elizabeth Ubeda TRUJILLO



Schlumberger Foundation

Home Country Nicaraqua

Degree

PhD in Hydroinformatics and Socio-Technical Innovation Department

Expertise Geography

Research Focus Analysis of Optimal Drought Management Scenarios

Host University

Institute for Water Education (IHE, Delft), Netherlands

Fellowship Awarded 2021 In order to find time to study during the stage from school to university, in the morning she did homework and took care of her sisters (educationhealth). And during the night until dawn her spent time on her high school homework. During her time in college, she worked as a freelance merchant to earn money to buy her books. The positive aspect is that she was able to view these situations as opportunities to develop the abilities necessary to adapt, stay tenacious, and discover new personal and professional goals.

Ms. Ubeda has a bachelor's in Geographic Sciences and a Master of Science degree in Environmental Management. Her career was financed by a UNAN scholarship due to her excellence in the program. In 2021, Ms. Ubeda won the award for the young scientist and researcher in Nicaragua, in the environmental category. She is a university teacher at UNAN-Managua, with more than 9 years of experience. She has taught the courses: Geographic Information System (GIS) in the context of the National Strategy for Climate Change Adaptation, Territory course for the Master's Degree in Social Degree in Social Management for the development of the Central Government of Nicaragua. She also taught other courses like: GIS, Remote sensing Introduction, Rural Geography, Territory Planning, and Practices Professional. She has been a researcher tutor at the degree level. Ms Ubeda coordinated the Curricular Planning of the Geography Career and elaborated courses for the two curricular plans with different approaches. She contributed to the development of the first courses for the Open Online University of Nicaragua (UALN).

Currently, Ms. Ubeda is a PhD Fellow at the Institute for Water Education, IHE Delft and Technische Universiteit Delft (TU Delft). In her research, she addresses the analysis of how to identify a naturebased solution and the impact that they could have on the management of extreme hydrological in river basins. This work is meant to explore Machine Learning and Remote sensing information to provide analysis over large regions at a low cost. As a case study, Central America will be analyzed, and it is expected to provide information about the way nature-based solutions could be in space and time.

On completion of her studies, Ingrid wants to start a regional research group and make a hydroinformatics lab at UNAN where models and algorithms can be made to help farmers, government ministries, and other organizations make decisions about the environment.

Mosquito-Borne Diseases

Tasneem Moawia Abdallah OSMAN



Schlumberger Foundation

Home Country Sudan

Degree PhD in Medical Entomology

Expertise

Parasitology, Virology, Molecular Biology

Research Focus Mosquito-Borne Diseases

Host University University of Bonn, Germany

Fellowship Awarded 2021

Tasneem Moawia Abdallah Osman is from Sudan. She has been interested in biology from a young age, when she would follow ant trails back to their hole and try to catch colorful butterflies with nets. She now works in entomology—the scientific study of insects—and is doing research in medical entomology, which focuses on insects and other arthropods such as ticks that impact human health.

Tasmeen studied at the University of Khartoum (UofK), in the capital city of Sudan, where in 2007 she obtained a BSc in Zoology for which she was awarded a Best Performance Prize. During her studies she performed research into mosquitos that spread malaria in parts of her country. In 2010 she returned to UofK to study towards an MSc in Immunology at the University's Institute of Endemic Diseases, which she completed in 2012 for her research into in the human body's response to a vaccine against Plasmodium falciparum, the parasite that causes the deadliest form of malaria. Tasmeen has been a Research Assistant at UofK since 2008 and a Lecturer there since 2012.

Viruses that use arthropods (arboviruses) as vectors to spread, such as Zika virus and dengue virus, have recently caused a growing number of epidemics. A recent outbreak in Sudan can be linked to floods that left large pools of stagnant water, which form breeding sites for various types of vectors. Other factors are likely to include increasing urbanization and human mobility. Tasmeen's PhD research aims to understand how ecosystem diversity influences vector and virus populations in light of large-scale land-use changes in rural Africa. The study is taking place in Kenya and has an emphasis on invasive plant species.

After her studies in Germany, Tasmeen intends to return to her teaching and research position at UofK, where she plans to develop and implement vector born disease training modules for undergraduates, postgraduate and researchers at UofK, and at other academic and research institutions.



Evaluation of Protected Area Mgmt. Effectiveness in Bhutan

Thinley CHODEN



Home Country Bhutan

Degree PhD in Environmental Management

Expertise

Sustainable Forestry, Protected Areas, Biodiversity

Research Focus

Evaluation of Protected Area Management Effectiveness in Bhutan

Host University Murdoch University, Perth, Western Australia

Fellowship Awarded 2021

Thinley Choden is from a rural farming background in eastern Bhutan. She is the eldest of her siblings and has five younger brothers. Her father sadly died serving in the army when she was 11 years old and, despite financial challenges, her mother was able to send all of her children to school. Thinley specialized in science, and in 2003 graduated with academic excellence for which she received a Meritorious Government of India Scholarship to study towards a BSc in Forestry in India.

Thinley obtained her BSc in 2007 from the College of Forestry at Dr. Balasaheb Sawant Konkan Agricultural University, Maharashtra, India, where she received a University Gold Medal for her academic performance. After a year working as a Trainee Forestry Officer in Gedu Forest Division, Bhutan, Thinley worked on a wide variety of projects involved with ecotourism, protected area management planning, wildlife conservation and renewable natural resources management. Since 2012 she has been a member of a task force drafting the National Biodiversity Strategy and Action Plan of Bhutan. With funding from an Australia Awards, in 2016 she completed an MSc in Environmental Management at Murdoch University, Perth, Australia. Since gaining her MSc she has been the Program Director at the Non-Wood Forest Products and Agroforestry Technology Sub-Centre of Ugyen Wangchuck Institute for Forestry Research and Training (UWIFoRT) Bumthang, Bhutan and holds the position of Principal Forestry Officer. Biodiversity conservation and protected area management are key to Bhutan's prosperity. Bhutan's Forest Department is mandated to evaluate the effectiveness of its protected area management on a regular basis, for which it has required experts from outside the country. Thinley's PhD in Australia will provide her with the skills to perform this job and reduce dependence on foreign expertise and its associated cost for the Forest Department.

Following her placement Thinley looks forward to being reunited with her colleagues and students at UWIFoRT and sharing the knowledge and experience she has gained during her PhD studies.





www.foundation.slb.com foundation@slb.com

Schlumberger Foundation Inc C/o Schlumberger Limited 5599 San Felipe Street Houston, Texas, 77056 United States of America Tel: +1 713 375 3434 Fax: +1 713 375 3529 Schlumberger Stichting Fund Parkstraat 83-89 2514JG The Hague The Netherlands KvK Haaglanden No. 41167008 Tel: +31 70 310 5400 Fax: +31 70 310 5485