

# ipcc

INTERGOVERNMENTAL PANEL ON climate change

**FORTY-SIXTH SESSION OF THE IPCC**  
**Montreal, Canada, 6 – 10 September 2017**

IPCC-XLVI/INF. 4  
(20.VII.2017)  
Agenda Item: 12.8  
ENGLISH ONLY

## **PROGRESS REPORT**

### **IPCC Scholarship Programme**

(Submitted by the Secretary of the IPCC)

#### **IPCC Secretariat**

c/o WMO • 7bis, Avenue de la Paix • C.P. 2300 • 1211 Geneva 2 • Switzerland  
telephone : +41 (0) 22 730 8208 / 54 / 84 • fax : +41 (0) 22 730 8025 / 13 • email : IPCC-Sec@wmo.int • [www.ipcc.ch](http://www.ipcc.ch)



# **PROGRESS REPORT**

## **IPCC Scholarship Programme**

### **Introduction**

During the 45<sup>th</sup> Session of the IPCC (Guadalajara, Mexico, 28-31 March 2017), the Science Board of the IPCC Scholarship Programme presented certain steps and action items for the near-term, which were implemented by the IPCC Secretariat in consultation with the Board. These were informed by the outcome of the consultation with the two funding partners, the Prince Albert II of Monaco Foundation and the Cuomo Foundation.

The action items included:

- Notifying the Prince Albert II of Monaco Foundation and the Cuomo Foundation, respectively, of the intention to issue a call for applications for the 4<sup>th</sup> round of awards (2017-2019);
- Identifying priority themes or fields of study for the 4<sup>th</sup> round of awards;
- Revising the eligibility criteria for applicants, taking into consideration certain identified challenges;
- Issuing a call for applications for the 4<sup>th</sup> round of awards;
- Inviting IPCC experts who contributed in the preparation of the Fifth Assessment Report (AR5) as Lead Authors and Review Editors to review the applications;
- Undertaking a first technical screening of the applications received within the deadline, assessing the completeness of the applications and fulfilment of the eligibility criteria;
- Preparing guidelines for reviewers and a system for rating the applications;
- Transmitting applications to IPCC expert reviewers who evaluated the scientific / technical merits and prepare reports for the consideration of the Science Board;
- Submitting the highly rated applications to the Prince Albert II of Monaco Foundation and the Cuomo Foundation for the final selection and awards of scholarships.

The Panel supported the call for applications and requested the Science Board and the Secretariat to take note of the suggestions from members of the Panel and to continue to consider options for the improvement and longer-term sustainability of the Scholarship Programme.

### **Scholarship awards under the fourth round, 2017-2019**

In response to the call for applications, a total of 188 applications were received by the 9 April 2017 deadline. After the initial screening, 185 applications were deemed complete and submitted for expert review. The geographical distribution of the applicants is shown in Annex 1.

A total of thirteen students were selected for scholarship awards to pursue their PhD or post-doctoral research during the 4<sup>th</sup> round of awards (2017-2019). Of these, seven were awarded scholarships by the Prince Albert II of Monaco Foundation and six were awarded scholarships by the Cuomo Foundation. The awarded students are listed below. Additional details about the awardees are presented in Annex 2.

### **Awarded by the Prince Albert II of Monaco Foundation**

1. Ms Marylin Winifred ASAMAH (Ghana)
2. Ms Fatou BOJANG (Gambia)
3. Mr Nidheesh GANGADHARAN (India)
4. Mr Zakari HASSANE (Niger)
5. Mr Marc KPANOU (Benin)
6. Ms Namkunda Johnson MBWAMBO (Tanzania)
7. Mr Christophe MUPENZI (Rwanda)

### **Awarded by the Cuomo Foundation**

1. Ms Isha DAS (India)
2. Ms Aissatou FAYE (Senegal)
3. Mr Suranjith KORALEGEDARA (Sri Lanka)
4. Ms Thuy My Linh NGUYEN (Vietnam)
5. Ms Xiaoxiao TAN (China)
6. Mr Htwe Min THANT (Myanmar)

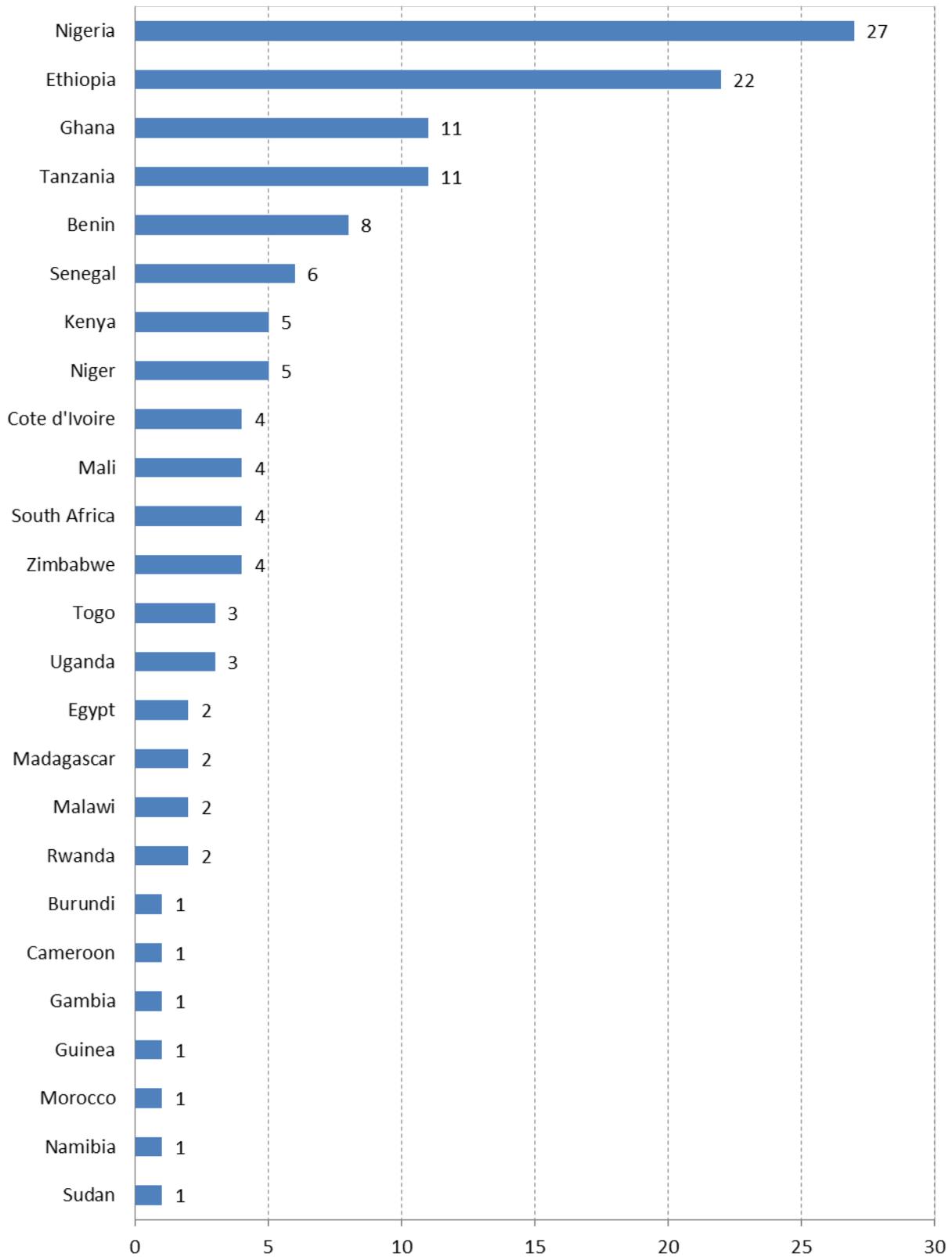
### **Status of the Scholarship Programme Trust Fund**

By 30 June 2017, the balance in the Scholarship Programme Trust Fund was Swiss **CHF 947,582.00**. The detailed statement of income and expenditure from inception is shown in Annex 3 to this document.

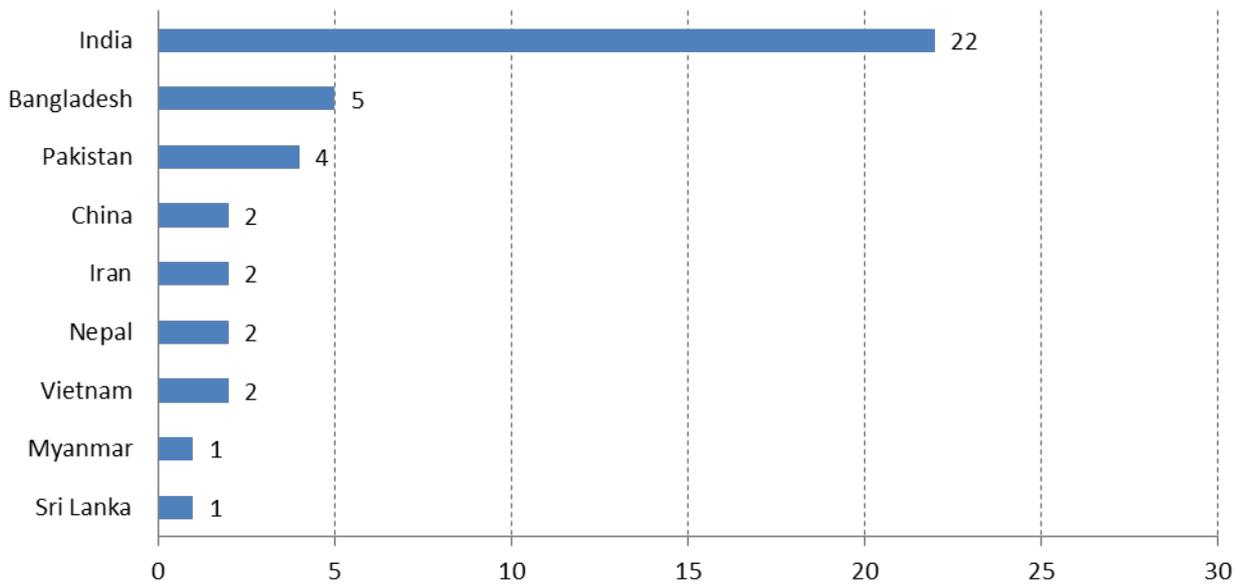
### **Conclusion**

For the last two rounds, funding for the IPCC Scholarship Programme awards has been entirely dependent on the two funding partners. The income for the Scholarship Programme Trust Fund has not grown over the past few years. This demonstrates the need to appoint a Board of Trustees to, inter alia, advise on fund raising strategies and to decide on the number of scholarships to be funded from the Trust Fund.

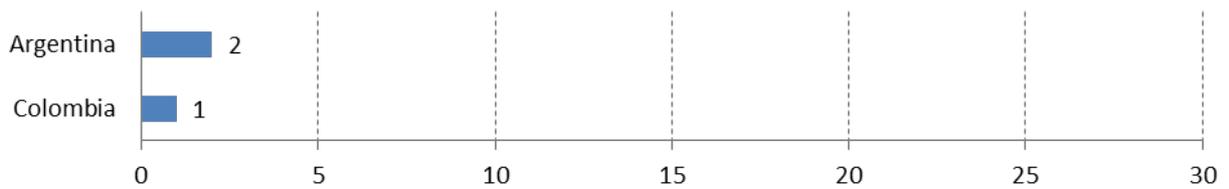
The Panel may consider advising the Science Board and the Secretariat on potential Trustees who could accept to serve in the Board if appointed.

**Geographical Distribution of Applicants****Africa (Region I)**

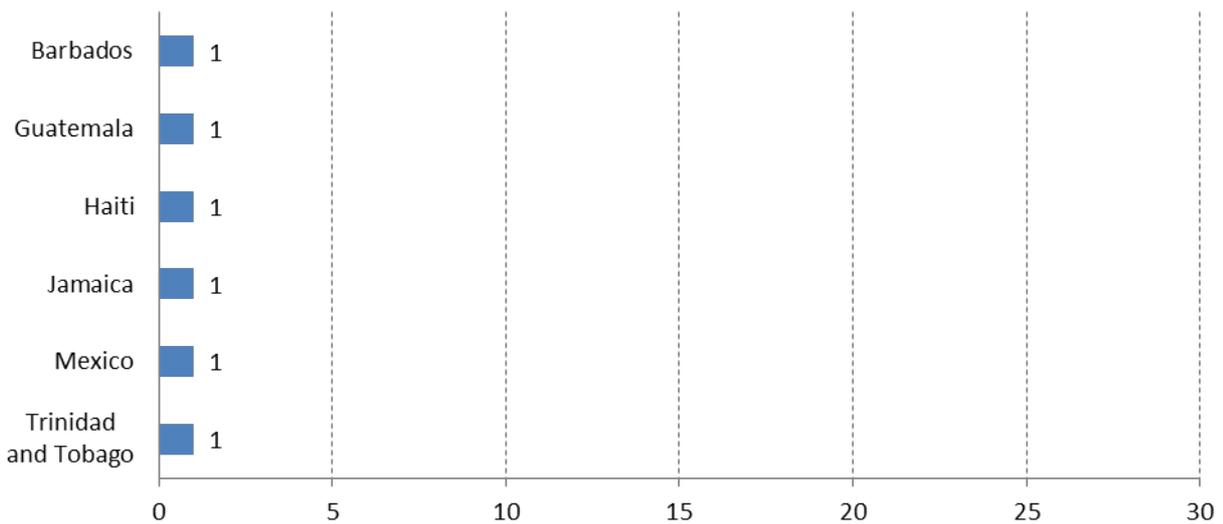
### Asia (Region II)



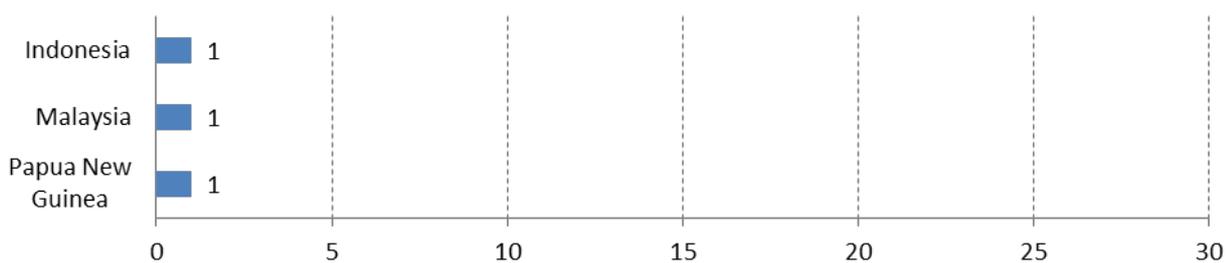
### South America (Region III)



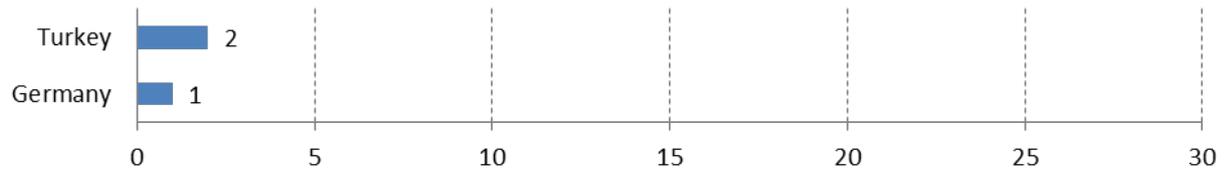
### North America, Central America and the Caribbean (Region IV)



### South-West Pacific (Region V)



## Europe (Region VI)



Scholarship Awardees under the 4<sup>th</sup> round of Awards

<b>Funded by the Prince Albert II of Monaco Foundation</b>
<p><b>Ms Marylin Winifred ASAMAH (Ghana)</b></p> <p>Marylin is a PhD student at the Technical University of Dortmund, Germany under the supervision of Prof. Johanna Myrzik. In her research, she is assessing the extent to which power generation from renewable sources could be utilized to mitigate the effect of climate change in Ghana and evaluating the impact of the integration of the variable renewable energy sources on the stability (voltage, frequency and rotor angle stability) of the Ghanaian power system.</p>
<p><b>Ms Fatou BOJANG (Gambia)</b></p> <p>Fatou is enrolled as a West African Science Service Center on <i>Climate</i> Change and Adapted Land Use (WASCAL) student at the Institut Polytechnique Rural de Formation et de recherche Appliquée (IPR/IFRA), de Katibougou, Mali. Her PhD work, which is supervised by Dr Demba Jallow focuses on determining the impacts of management practices in lowland rice production using a Ceres-Rice model in the central River Region, south and upper River Regions of the Gambia.</p>
<p><b>Mr Nidheesh GANGADHARAN (India)</b></p> <p>Nidheesh's has completed his PhD at the University of GOA, India and has begun his post-doctoral research at the Laboratoire d'Océanographie et du Climat: Expérimentations et Approches Numériques (LOCEAN) in Paris, France. He is supervised by Dr Jérôme Vialard. His research focuses on the attribution and projection of regional sea level changes in the Indian Ocean using Coupled Model Intercomparison Project Phase 5 (CMIP5) historical runs and future projections.</p>
<p><b>Mr Zakari HASSANE (Niger)</b></p> <p>Zakari is a West African Science Service Center on <i>Climate</i> Change and Adapted Land Use (WASCAL) PhD student registered at the University of Science and Technology (USTTB), Bamako, Mali and University of Cape Coast (UCC), Ghana. Under the supervision of Dr. Prakash Gangashetty, he is working on multilocation testing of high iron (Fe) and zinc (Zn) content in single cross and top cross hybrids of pearl millet (<i>Pennisetum glaucum</i> L.) in different agro-climatic zones of Mali, Niger, Burkina Faso and Senegal for human nutrition and adaptation to climate change.</p>
<p><b>Mr Marc KPANOU (Benin)</b></p> <p>Marc is a PhD student at the University of Abomey-Calavi, Benin, in joint supervision with the Centre de Recherches de Climatologie, Université de Bourgogne, Dijon, France. He is co-supervised by Prof. Expédit W. Vissin in Benin and Prof. Pierre Camberlin in France. His research aims at determining patterns and observed trends of extreme rainfall along southern coastal West Africa, linking these trends with changes in ocean and atmospheric states and circulation patterns, and examining future trends in heavy precipitation events and their possible drivers under different future scenarios.</p>
<p><b>Ms Namkunda Johnson MWBAMBO (Tanzania)</b></p> <p>Namkunda is a PhD student at the Centre for Climate Change Studies, University of Dar es Salaam, Tanzania, working under the supervision of Prof. Agnes Nyomora. In her work, she is investigating post-harvest loss, innovation, value addition options in the context of climate change along the maize value chain using semi-arid areas of Tanzania as case studies.</p>
<p><b>Mr Christophe MUPENZI (Rwanda)</b></p> <p>Christophe is a PhD student at the Xinjiang Institute of Ecology and Geography (XIEG), Chinese Academy of Science (CAS), China. In his research he is using Geographic Information System and physically based models to analyze the riverine sediment and nutrient loading into Lake Kivu. His PhD supervisor is Professor Li Lanhai.</p>

## **Funded by the Cuomo Foundation**

### **Ms Isha DAS (India)**

Isha is a Research Fellow at the School of Oceanographic Studies, Jadavpur University, India. She works under the supervision of Prof. Sugata Hazra. In her research, she aims at: understanding the effect of existing fishing pressure on the Hilsa population dynamics; estimating the maximum sustainable yield limits and maximum allowable effort each year in the Bay of Bengal region, using Schaefer-Fox model, to maintain a healthy stock; trophic level modelling of Bay of Bengal, using 'Ecopath with Ecosim' software to comprehend the definite role of Hilsa within the ecosystem and the probable effect of management plans over the system, and to project the Hilsa catches in Bay of Bengal using Climate Change fisheries model in order to develop long term scenarios.

### **Ms Aissatou FAYE (Senegal)**

Aissatou is a West African Science Service Center on *Climate Change* and Adapted Land Use (WASCAL) PhD student registered at the Federal University of Technology, Akure (FUTA), Nigeria. Her main supervisor is Prof. Amadou Gaye. In her research she evaluates the feedback of urbanization to global warming at both local and regional scales; estimates the effects of warming or cooling due to coastal megacities of West Africa; and investigates a scenario increase and extension of coastal areas over West Africa to understand megacities impact on mean climate, extreme events and summer monsoon features.

### **Mr Suranjith KORALEGEDARA (Sri Lanka)**

Suranjith is a Taiwan International Graduate Programme (TIGP) PhD student attached to the College of Earth Science, National Central University, Taiwan, working under the supervision of Dr. Chuan Yao Lin. In his PhD, he estimates and evaluates the anthropogenic heat flux values for the urban cities in Sri Lanka; investigates the urban heat island induced extreme weather interactions with the newly estimated anthropogenic heat fluxes for Sri Lanka with a mesoscale climate model; and uses dynamical downscaling to assess the potential climate change impacts on urban cities and their link to future urban heat island trends in Sri Lanka.

### **Ms Thuy My Linh NGUYEN (Vietnam)**

Thuy My is a PhD student at the College of Agriculture and Life Sciences, Seoul National University, Republic of South Korea. Her supervisor is Prof. Pil Sun Park. Her research focusses on mangrove forest responses to deposition and erosion processes under accelerated sea-level rise in Mekong Delta area of Vietnam.

### **Ms XiaoXiao TAN (China)**

XiaoXiao is a PhD student at the Peking University, Beijing, China working under the supervision of Prof. Yongyun Hu. The expectation is that her study will help to improve the understanding of the distributions and effects of forcing and feedbacks underlying global warming and climate change.

### **Mr Htwe Min THANT (Myanmar)**

Htwe is a PhD student at the Yezin Agricultural University, Myanmar under the supervision of Dr Aye Aye Thwe. He is investigating the quantitative, qualitative and some physiological traits of Myanmar eggplant germplasm and the presence of drought tolerance related genes among the germplasm using drought tolerance gene associated simple sequence repeat (SSR) markers.



## WMO OMM

World Meteorological Organization  
 Organisation météorologique mondiale  
 Organización Meteorológica Mundial  
 Всемирная метеорологическая организация  
 المنظمة العالمية للأرصاد الجوية  
 世界气象组织

Secrétariat  
 7 bis, avenue de la Paix – Case postale 230  
 CH 1211 Genève 2 – Suisse  
 Tél.: +41 (0) 22 730 81 11  
 Fax: +41 (0) 22 730 81 81  
 wmo@wmo.int – www.wmo.int

**Intergovernmental Panel on Climate Change (IPCC)  
 Nobel Peace Prize Scholarship Programme Trust Fund  
 Interim Statement of Income and Expenditure  
 (from inception to 30 June 2017)  
 (Amounts in Swiss Francs)**

1. Contributions			
1.1 Nobelstiftelsen, Sweden, (9 January 2008)		884,927	
1.2 Tallberg Foundation, Sweden (1 September 2009)		74,479	
1.3 Chen Fa Qing, China (9 November 2010)		39,360	
1.4 Aster Finance SARL, Switzerland (23 November 2010)		20,000	
1.5 MCG Belgium SA (16 February 2011)		5,134	
1.6 CEFIC Ass. Intern, Belgium (26 August 2013)		3,084	
1.7 Hoesung Lee, Republic of Korea (15 January 2014)		8,968	
1.8 Aimes & Co, Belgium (27 January 2014)		1,835	
1.9 Total contributions			1,037,786
2. Interest income			38,725
3. Total Income			<u>1,076,511</u>
4. Expenditure			
4.1 Direct expenditure			
4.1.1 Fellowships			
4.1.1.1 Grant to Jamiat Nanteza	36,867		
4.1.1.2 Grant to Vandhana Devi Kumar	34,080		
4.1.1.3 Grant to Rondrotiana Barimalala	18,618		
4.1.1.4 Grant to Sudeep Thakuri	18,263		
4.1.1.5 Project Agreement with GTRC for IPCC	9,457		
4.1.1.6 Grant to Mamadou Ossénatou	7,772		
4.1.1.7 Total Fellowship expenditures	<u>125,057</u>		
4.1.2 Other expenditure	1,872		
4.1.3 Travel of Brenda Abrar-Milani	333		
4.1.4 Total direct expenditure		127,262	
4.2 Indirect expenditure			
4.2.1 Unrealized loss on exchange	1,220		
4.2.2 Bank charges	447		
4.2.3 Total indirect expenditure		<u>1,667</u>	
4.3 Total expenditure			128,929
<b>5. Balance at 30 June 2017</b>			<b><u><u>947,582</u></u></b>

Certified correct:

Luckson Ngwira  
 Chief, Finance Division  
 4 July 2017