

# ipcc

INTERGOVERNMENTAL PANEL ON climate change

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## **PROGRESS REPORTS**

### **Progress Report on the IPCC Scholarship Programme**

(Submitted by the IPCC Secretariat)

#### **IPCC Secretariat**

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## PROGRESS REPORTS

### Progress Report on the IPCC Scholarship Programme

#### 1. Financial Status, Partnerships and Fundraising

The programme uses funds from the Scholarship Fund and from two foundations. The Prince Albert II of Monaco Foundation renewed its cooperation with the IPCC in 2013 and the Cuomo Foundation agreed to join the partnership. These two foundations disburse the grants directly to the students.

A consistent approach to fund-raising and pursuing the development of partnerships and relations with academic institutions remain difficult given the constraints on Secretariat resources. An agreement was made in 2012, and at no cost to the programme, with a prominent international personality to assist with fundraising endeavours. No tangible results have been achieved yet.

The Prince Albert II of Monaco Foundation generously renewed its agreement with the IPCC to sponsor 7 students in the context of Prince Albert II of Monaco Foundation grants to IPCC for the Second Round of Awards. A Letter of Agreement was signed on 15 January 2013 in this regard providing a financial support of a maximum of 210,000 (two hundred and ten thousand) Euros.

Further to this, on 4 June 2013, another Letter of Agreement was signed with the Cuomo Foundation, also based in Monaco, as part of a tripartite agreement between the IPCC, the Prince Albert II of Monaco Foundation and the Cuomo Foundation, for a further 5 scholarships for a financial support amounting to a maximum of 150,000 (one hundred and fifty thousand) Euros.

#### ***Financial Status of the Scholarship Fund***

Nobel Peace Prize 2008:	CHF	
Nobelstiftelsen	884,927.00	9 January 2008
Contributions received 2009:	CHF	
Tallberg Foundation (on behalf of Dr Gro Harlem Brundtland)	74,479.33	1 September 2009
Contributions received 2010:	CHF	
Fa Qing CHEN	39,360.00	9 November 2010
Aster Finance	20,000.00	23 November 2010
Contributions received 2011:	CHF	
MCG Belgium SA (on behalf of J.-P. van Ypersele)	5,134.00	16 February 2011
<b>TOTAL ASSETS</b>	<b>CHF 995,404.00</b>	<b>(as of 9 August 2013)</b>

#### *(Annex 1 –Statement of Income and Expenditure)*

Contributions received since August 2013:	CHF	
CEFIC ass. Intern, Belgium (on behalf of J.-P. van Ypersele)	3,083.56	26 August 2013

## **2. First Round of Awards 2011–2013**

The first round of awards has come to a close. The programme has been an overall success and we are now seeing the first students of the programme completing their theses. Two students have already graduated with their PhD. In addition to their studies, some of the students have published articles, others have presented papers or posters at international conferences. The programme remains a positive outreach and media opportunity and the progress and news of the students continues to animate the Scholarship Programme's Facebook page.

## **3. Second Round of Awards 2013–15**

### ***Call for applications and selection process***

Building on the experience of the first round of awards, the eligibility criteria were changed to accept applications from students accepted or enrolled for PhD studies only, and the age limit lowered to 30. The call accepted applications for students with research proposals in the fields of:

- 1) Climate and water;
- 2) Underlying science;
- 3) Socio-economic modelling related to climate-change.

A new online system for submission of applications was designed and a new scale for grading the applications developed. The call for applications was launched on 1 August 2012 with a closing deadline of 30 September 2012.

904 prospective students registered online to the programme's application portal showing an interest in applying. 219 applications were received, of which 91 were considered ineligible by the Secretariat for various reasons but mainly because these candidates did not qualify for the age limit set for this round of awards (no more than 30 years at the time of application).

The Secretariat requested volunteers among IPCC authors to offer their services as expert reviewers in the first stage of the selection process. 32 authors accepted to be expert reviewers and they were individually assigned small sets of students whose research topic best fitted their personal fields of expertise. At the end of the first review stage of the selection process, applications that remained ungraded were reviewed by members of the IPCC Science Board, composed of the IPCC Chairman and the IPCC Vice-Chairs. In a second stage, the Science Board finalized a shortlist of 20 students for consideration by the programme's funding partners and for IPCC awards.

### ***Final selection***

From the shortlist of candidates chosen by the Science Board, the two foundations selected 13 students to be offered awards.

Students supported by the Prince Albert II of Monaco Foundation:

1. Elias Tedia Shiferaw (Ethiopia) (Climate and water)
2. Gao, Yuan (China) (Underlying science)
3. Sifat Rabbi (Bangladesh) (Underlying science)
4. Tuihedur Rahman (Bangladesh) (Underlying science)
5. Zuelclady Maria Fernanda Araujo Gutierrez (Mexico) (Underlying science)
6. Khandu (Bhutan) (Socio-economic modelling)
7. Zipporah Musymi (Kenya) (Socio-economic modelling)

Students supported by the Cuomo Foundation:

1. Rajesh Kumar Mahato (India) (Climate and water)
2. Pheakkdey Nguon (Cambodia) (Underlying science)
3. Bheki Maliba (South Africa) (Socio-economic modelling)
4. Luz Milena Nino (Columbia) (Socio-economic modelling)
5. Duong Tran Anh (Vietnam) (Socio-economic modelling)
6. Win, Ei Phyu (Myanmar) (Underlying science)

These students were invited to the 6<sup>th</sup> edition of the Prince Albert II Foundation Award Ceremony held on 30 September 2013 in Monaco, for the presentation of their awards.

At its meeting on 4 April 2012, the Scholarship Programme's Board of Trustees agreed that the Science Board could use up to a maximum of 20% of the assets of the Nobel Trust Fund for the Second Round of Awards. Consequently, the Science Board decided to award two further scholarships:

Students supported by the IPCC Scholarship Programme

1. Vandhna Devi (Fiji) (Socio-economic modelling)
2. Ossnatou Mamadou (Benin) (Climate and water) – grant for research equipment only

(See Annex 2 for further details on the students' research projects)

#### **4. Conclusions**

The programme continues to grow in prominence and has gained the support of the Cuomo Foundation in addition to strengthening its partnership with the Prince Albert II of Monaco Foundation. There is already growing interest from prospective candidates in the future Third Round of Awards.

Lessons learned from the experience of the first round of awards, has lead to improvements in the management of the call for applications for the second round of awards. The experience of the first group of students has also lead to reflection on the organization for monitoring the progress of the students during the funding period and the details of the contracts for the Second Round of Awards.

The fact that the first stage of the selection process relies on volunteer IPCC experts is both a strength in terms of the expertise this affords for the selection of good quality students and research proposals taking into consideration the needs of the regions and gaps of knowledge; and a potential weakness in terms of the management of the selection process. The length of time between the call for applications and the final selection of award winning students (almost 1 year) is also problematic in that the information regarding students under consideration needs updating.

The calls for applications, the selection process, collaboration with the funding partners, follow-up and monitoring of award winners, as well as attending to general enquiries and developing outreach through social media, needs managing with constant attention. The programme is steadily growing and its development depends on currently constrained Secretariat staff resources.



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**Intergovernmental Panel on Climate Change (IPCC)**  
**Nobel Peace Prize Scholarship Programme Trust Fund**  
**Statement of Income and Expenditure**  
**(from inception to 9 August 2013)**  
(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)		<u>5,134</u>	
1.6	Total contributions		<u>1,023,899</u> 1,023,899	
2. Interest income				
			<u>37,642</u>	
			<u>1,061,542</u>	
3. Expenditures				
		Actual	Obligation	Total
3.1 Fellowships				
3.1.1	Grant to Jamiat Nanteza	25,395	11,725	37,120
3.1.2	Grant to Rondrotiana Barimalala	18,618		18,618
3.1.3	Project Agreement with GTRC for IPCC	<u>9,457</u>		<u>9,457</u>
3.1.4	Total Fellowship expenditures	<u>53,470</u>	<u>11,725</u>	<u>65,195</u>
3.2	Unrealized loss on exchange	721	-	721
3.3	Bank charges	<u>222</u>		<u>222</u>
3.4	Total expenditure	<u>54,413</u>	<u>11,725</u>	<u>66,138</u> 66,138
4. Balance at 9 August 2013				
				<u>995,404</u>

Certified correct:

*for Bettina G. Conf*  
Luckson Ngwira  
Chief, Finance Division  
9 August 2013

Students awarded scholarships for the 2<sup>nd</sup> round of Awards

Students supported by the Prince Albert II of Monaco Foundation	
Elias Tedla Shiferaw (Ethiopia)	Elias is studying at the Ethiopian Institute of Water Resources, University of Addis Ababa and his work supervised by Dr Mekonnen Geberemichael at the University Connecticut. His thesis title is <i>Multi-Reservoir Operations Optimization under Different Climatic Scenarios to Maximize Energy Production Efficiency</i> and his research will focus on the Omo-Gibe river basin in Ethiopia.
Gao, Yuan (China)	Yuan's thesis is entitled <i>Anatomy of Urbanization in Urban China with Pathways toward Low-carbon Transport: Response to Climate Change</i> . She will be supervised by Professor Peter Newman at Curtin University Sustainable Policy Institute (CUSP), Australia.
Sifat Rabbi (Bangladesh)	Sifat is studying in the department of Disaster Preparedness, Mitigation and Management at the Asian Institute of Technology, Thailand, and is researching the threat to coastal areas from the effects of salinity intrusion due to climate change on fisherman communities in Bangladesh.
Tuihedur Rahman (Bangladesh)	Tuihedur will be studying at the Natural Resource Science Department of McGill University, Canada, in the Sustainable Futures Laboratory under the supervision of Dr Gordon Hickey. His thesis will be on modeling livelihood vulnerability and adaptive resilience to climate change in the North-Eastern flood plain communities of Bangladesh.
Zuelclady Maria Fernanda Araujo Gutierrez (Mexico)	In researching her thesis topic, <i>The Economic Perspectives of fossil fuels with no subventions in Mexico and the relationship to emissions of CO<sub>2</sub></i> , Zuelclady's objective is to analyze the reaction of the Mexican economy to the elimination of the fossil fuel subsidy by running a general equilibrium model that incorporates the calculation of CO <sub>2</sub> emissions. Zuelclady is studying at the EGAP School of Government and Public Policy, Mexico, under the supervision of Dr Arturo Perez Mendoza.
Khandu (Bhutan)	Khandu is supervised by Professor Joseph Awange at Curtin University of Technology, Australia and is working on his thesis on assessment of regional seasonal predictability using the PRECIS regional climate modeling system over Bhutan.
Zipporah Musyimi (Kenya)	Zipporah's Ph.D. project is entitled, <i>Evaluation of carbon sequestration as a climate change mitigation potential and adaptation opportunity for pastoral systems in African dry lands</i> and she is working under the supervision of Dr Thomas Undelhoven at Trier University, Germany.

Students supported by the Cuomo Foundation	
Rajesh Kumar Mahato (India)	Rajesh is assessing the impacts of climate change on water resources with his research on <i>Geohydrodynamics, sedimentation and its impact on landform development in the Sapt Kosni river basin</i> . He is studying at Ranchi University, India, and his supervisor is Dr J. Shulka.
Pheakkdey Nguon (Cambodia)	Pheakkdey research topic is: Effectiveness, Efficiency and Equity: Stakeholders' Decisions on the Science of Policy to Reduce Emissions from Deforestation and Degradation (REDD+) in Cambodia. He is studying at the Graduate School of Geography, Clark University, USA, under the supervision of Professor Anthony Bebbington.
Bheki Maliba (South Africa)	Bheki is a student at the School of Environmental Science and Development, North West University, South Africa. His PhD is supervised by Dr Jacques Berner and his topic is <i>The effect of elevated CO<sub>2</sub> in combination with surface O<sub>3</sub> and drought on staple crops</i> .
Luz Milena Nino (Columbia)	Milena will be studying in Jamaica in the Life Sciences Department of the University of the West Indies, and is supervised by Dr Kurt McLaren. Seeing an urgent need to understand how the provision of ecosystem services will change with changing anthropogenic disturbance and a changing climate, her work will be an <i>Assessment of Forest Ecosystem Services Provision along a Rainfall Gradient in Jamaica</i> .
Duong Tran Anh (Vietnam)	Tran Anh Duong from Vietnam intends to carry out his PhD work under the supervision of Professor Peter Rutschmann at the Department of Hydraulic and Water Resources Engineering, Technical University of Munich, Germany. His proposed research subject is on the impact of water level in the Mekong river and sea level rise due to salinity intrusion as a result of climate change on the Tien and Hau rivers estuaries in Vietnam.
Win, Ei Phyu (Myanmar)	Ei Phyu will be studying the <i>Effect of Organic Manure and Water Management on Methane Emission from Paddy Fields</i> at the Université Catholique de Louvain, Belgium under the supervision of Professor Xavier Draye.
Students supported by the IPCC Scholarship Programme	
Ossenatou Mamadou (Benin)	Ossenatou is studying at the University of Grenoble, France and the University of Abomey-Calavi, Benin, under the supervision of Professor Cossi Norbert Awanou. Ossenatou is in her final year and has already achieved a number of her goals in her research on <i>Evapotranspiration Fluxes in Sudanian Climate in Benin</i> . Her work requires the acquisition of a Leaf Area Index (LAI) sensor and IPCC will be providing funds to cover the cost of research equipment for Ossenatou to complete her research.
Vandhna Devi (Fiji)	Vandhna intends to research <i>Projections and Predications of South-Pacific Sea Level</i> under the supervision of Dr Alexandre Ganachaud at the Graduate School of Earth Science, Environment and Space, University of Toulouse, France. She aims with her studies to develop a better understanding of the drivers of future regional sea level change, in comparison to the global mean estimates.