



UNIVERSITAS GADJAH MADA

DIREKTORAT PENGABDIAN KEPADA MASYARAKAT

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Nomor : 2753/DIT.PM/2019
Lampiran : 1 bendel
Hal : Pemberitahuan *ProSPER.Net Young Researchers School*

25 September 2019

Kepada Yth :

1. Dekan
2. Kepala Pusat Studi
di lingkungan Universitas Gadjah Mada

Dengan hormat,

Bersama ini kami sampaikan pemberitahuan terkait program *ProSPER.Net Young Researchers School 2020*, merupakan program yang dilaksanakan oleh *United Nations University- Institute for Advanced Study of Sustainability (UNU-IAS)*, untuk informasi lebih lanjut dapat menghubungi Direktorat Pengabdian kepada Masyarakat UGM melalui saudara Azri di nomor Hp/WA (0818267548), atau dapat diunduh di website : <http://bit.ly/2ma5+Jt>, atau email : yrs@unu.edu.

Atas perhatian dan kerjasamanya diucapkan terimakasih.

Sekretaris,
Direktorat Pengabdian kepada Masyarakat

Dr. Rachmanawan Budianto., S.T., M.T.
NIP. 197109231999031002

NB :

1. Surat Rekomendasi dibuatkan Direktorat Pengabdian kepada Masyarakat UGM
2. *Proposal* keikutsertaan wajib di cc kan via email : dit.pengabdian@ugm.ac.id, rce@ugm.ac.id



UNITED NATIONS
UNIVERSITY

UNU-IAS

Institute for the Advanced Study
of Sustainability



10 September 2019

Dear ProSPER.Net Members,

It is our pleasure to announce that the [2020 ProSPER.Net Young Researchers' School \(YRS\)](#) will be hosted by Tsinghua University in Beijing, the People's Republic of China, from 9 to 15 March 2020, under the theme of ***"Big Data on Earth System Science for Sustainable Development"***. We would like to invite your institution to nominate participants for this programme.

The main goal of the YRS is to provide graduate students with an opportunity to better understand the spectrum of challenges that underpin sustainable development. By assembling young researchers together for an intensive programme, the school also fosters the growth of a network of sustainability scholars and professionals in the Asia-Pacific region.

Throughout the programme, students will have the opportunity to advance their knowledge on a range of areas, including the climate system, biogeochemistry, earth system observation and simulation technology, high performance computing, and global change economics, to better meet the challenges of global environmental change and sustainable development.

Students will learn how data-based measures can promote sustainable development, with applications ranging from the screening and treatment of pollution sources, to the improvement of solid waste management capacities, to the examination of forest cover and effectiveness of protection measures.

A limited number of scholarships will support the full participation of highly qualified PhD and Masters students from different ProSPER.Net member universities. Please share this invitation with nominated candidates and give advice on your level of support. Applications should be sent **by 11:59pm, 6 October 2019 (Japan Standard Time)** to yrs@unu.edu.

We look forward to receiving applications from prospective participants.

With best regards,

Hiroaki Takiguchi
Project Director
ProSPER.Net Secretariat, UNU Institute for the Advanced Study of Sustainability

Attachments to this letter:

1. Tentative Programme of the 2020 ProSPER.Net Young Researcher's School

ProSPER.Net Young Researchers' School

“Big Data on Earth System Science for Sustainable Development”

9 – 15 March 2020

Hosted by Tsinghua University (Beijing, People Republic of China)

Tentative Programme

Arrival: Sunday, 8 March 2020

Day	Time	Session
Day 1 Monday, 9 March 2020	08:00 – 10:00	Opening Session Welcome remarks and Introduction to YRS Participants Introduction (YRS staff, Dean of School)
	10:30 – 12:00	Lecture 1: Big Data-driven mapping for global sustainability
	12:00 – 13:00	Lunch
	13:00 – 14:30	Lecture 2: Introduction of SDG and data science
	14:30 – 16:30	Campus tour
Day 2 Tuesday, 10 March 2020	09:00 – 10:30	Lecture 3: Geospatial big-data processing with Google Earth Engine
	10:30 – 12:00	Lecture 4: Research Communication
	12:00 – 13:00	Lunch
	13:00 – 14:30	Lecture 5: Big Data on global air pollution and health
	14:30 – 16:30	Communications with Tsinghua students
Day 3 Wednesday, 11 March 2020	08:00 – 11:30	Field Trip Technology company & Zhongguancun Big Data Industrial Park
	11:30 – 13:00	Lunch
	13:00 – 14:30	Lecture 6: Concept of climate change
	14:30 – 16:00	Lecture 7: Geographical Information Science in the Era of Big Data: Opportunities, Challenges and Responses
Day 4 Thursday, 12 March 2020	08:00 – 11:30	Field Trip Remote Sensing Big Data Research Center, Tsinghua University
	11:30 – 13:00	Lunch
	13:00 – 14:30	Lecture 8: Challenges and opportunities for China's sustainable development in the context of global trade
	14:30 – 16:00	Lecture 9: Targeted emission reductions from global super-polluting power plant units
Day 5 Friday, 13 March 2020	08:00 – 11:30	Group Work on Research Proposal
	11:30 – 13:00	Lunch
	13:00 – 16:00	Individual Work on 3-Minute Thesis Presentation
Day 6	08:00 – 11:30	Research Proposal Preparation

Saturday, 14 March 2020	11:30 – 13:00	Individual Work on 3-Minute Thesis Presentation
	13:00 – 14:30	Lunch
	14:30 – 16:00	3-Minute Thesis Presentation
Day 7 Sunday, 15 March 2020	09:00 – 10:30	Panel: Life After PhD and Working for International Organizations
	10:30 – 12:00	Research Proposal Presentation
	12:00 – 13:00	Lunch
	13:00 – 14:30	Programme Evaluation
	14:30 – 16:00	Closing Session

Departure: Monday, 16 March 2020