



Seminar on SATREPS Program 'Integrated study on mitigation of multimodal disasters caused by ejection of volcanic products' and MSD Workshop

March 7 to 9, 2016

Program:

March 7 Workshop on Multimodal Sediment Disasters
March 8 Seminar on SATREPS Program
March 9 Field Trip

Venue:

Lecture Room 203
Laboratory for Environmental Disaster Prevention Research
Tsukuba Campus, University of Tsukuba

Organizer:

Masato Iguchi (Project leader)
Masaharu Fujita (MSD-Network)

Sponsor:

JST, JICA and DPRI (Kyoto University)

Support:

Environment Disaster Prevention Program,
University of Tsukuba

Seminar on SATREPS Program
'Integrated study on mitigation of multimodal disasters caused by ejection of
volcanic products'
and
MSD workshop

March 7, 2016 Program 1: Collaboration with an Asian researcher network of sediment disasters

Workshop on Multimodal Sediment Disasters

- 13:00 Opening** Masaharu Fujita (Kyoto University, Japan)
- 13:10 Invited speech**
Disasters due to heavy earthquakes 2015 in Nepal
..... Meg B. Bishwakarma (Hydro Lab, Nepal)
- 13:30 Keynote speeches**
Disasters in Bhutan
..... Tempa Thinley (Ministry of Works and Human Settlement, Bhutan)
Global and local I-D rainfall threshold for Indonesian sediment-related disaster
..... Djoko Legono (Gadjah Mada University, Indonesia)
- 14:15 Rainfall monitoring**
Rainfall characteristics on the southern flank of Mt. Merapi in Indonesia
..... Saki Shinbo (Niigata University)
Brief report of launching radars and some rainfall cases
..... Ratih Indri Hapsari (State Polytechnic of Malang, Indonesia)
- 14:45 Landslide and Landslide dam**
Pattern of rainfall induced landslide hazard
..... Muhammad Mukhlisin (Polytechnic Negeri Semarang, Indonesia)
Experimental study of the influence of sand grain size and inflow discharge on landslide dam
deformation process and outflow discharge
..... Fumiaki Akazawa (PWRI, Japan)
- 15:15 Tea Break**
- 15:45 Debris flow**
Dimension analysis of sabo works on reducing debris flows impacts in Putih
..... Jazaul Ikhsan (University of Muhammadiyah Yogyakarta, Indonesia)
Study on debris flows influence area where multiple adjacent torrent exist
..... Kana Nakatani (Kyoto University, Japan)
Numerical simulation of mud flow in curved open channel
..... Hiroshi Takebayashi (Kyoto University, Japan)
- 16:30 Sediment runoff**
Impact of groundsill on sediment transport management in volcanic river
..... Puji Harsanto (University of Muhammadiyah Yogyakarta, Indonesia)
Monitoring and numerical modeling of sediment yield and transport in a catchment -Example
for Tsengwen Reservoir -
..... Yu-shiu Chen (National Cheng Kung University, Taiwan)
- 17:00 Warning and Evacuation Support System**
A multi hazard simulator for warning and evacuation support system
..... Kazuki Yamanoi (Kyoto University, Japan)
- 17:15 Next stage of MSD Network**
- 17:30 Closing**

March 8, 2016 Program 2: Introduction of SATREPS Program to Asian Researcher Network on sediment disasters

Seminar on Integrated study on mitigation of multimodal disasters caused by ejection of volcanic products

- 9:30 Opening
9:35 Introduction of SATREPS Program
..... Toshitsugu Fujii (Emeritus professor, University of Tokyo)
10:00 Introduction of early warning system on volcanic eruption in Indonesia
..... R. Edi Prasodjo (CVGHM, Indonesia)
10:30 Tea break
11:00 Introduction of SATREPS Program ‘Integrated study on mitigation of multimodal disasters caused by ejection of volcanic products in Indonesia’
..... Masato Iguchi (DPRI, Kyoto University)
11:30 Launching radars for detecting volcanic ash and rain causing debris flow
..... Satoru Oishi (Kobe University), Ratih Indri Hapsari (State Polytechnic of Malang) and Magfira Syarifuddin (Kobe University)
12:00 Lunch
13:30 Hydrological monitoring in the Merapi area
..... Yutaka Gonda (Niigata University)
14:00 Multimodal sediment disasters simulator
..... Kuniaki Miyamoto (University of Tsukuba)
14:30 Integrated system of data base and simulator
..... Makoto Shimomura (University of Tsukuba)
15:00 Tea break
15:30 Support system for warning and evacuation
..... Masaharu Fujita (DPRI, Kyoto University)
16:00 Formatur Konsorsium Merapi: A step towards the sustainable risk management of
Mt. Merapi disaster Djoko Legono (Gadjah Mada University)
16:30 Discussion
17:00 Closing
18:00 Free discussion and dinner

March 9, 2016 Field Trip to Nikko Sabo Works

Organizer:

Masato Iguchi (Project leader)
Masaharu Fujita (MSD-Network)

Sponsor:

JST, JICA and DPRI (Kyoto University)

Support:

Environment Disaster Prevention Program, University of Tsukuba

Access to Tsukuba Campus, University of Tsukuba:

<https://www.tsukuba.ac.jp/english/access/>

Contact person:

Masaharu Fujita (DPRI, Kyoto University)
fujita.masaharu.5x@kyoto-u.ac.jp