

WG1: NATURAL DISASTERS AND PROTECTED AREAS

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WG1 OUTLINE

- **Extreme events**
e.g. Western Indian Ocean Tsunami in 2004
The Great East Japan Disaster in 2011
Mega Typhoon in Philippine last week
“The number of people affected by disasters is increasing”
- **We cannot control natural disaster (hazard)**
Many people live in PAs, some land-hungry countries in Asia
“How to decrease the disaster risk and support livelihoods in PAs”
- **Programs are in progress to rehabilitate and restore ecosystem and sustainable livelihood in PAs in Asia.**
“ Roles of PAs in post-disaster period”

WG1 SUB-THEMES

| Date | Time | Sub-Themes |
|--------|-------------|---|
| 14/Nov | 12:45-14:25 | Session 1 (Speakers: 5) Natural Disasters in Protected Areas |
| | 14:25-15:05 | Session 2 (Speakers: 2) Ecosystem Conservation and Disaster Risk Reduction |
| | 15:15-15:30 | Coffee Break |
| | 15:30-17:50 | Session 2 (Speakers: 7) Ecosystem Conservation and Disaster Risk Reduction |
| 15/Nov | 12:45-14:55 | Session 3 (Speakers: 6) Great East Japan Earthquake |
| | 15:15-15:30 | Coffee Break |
| | 15:30-17:50 | Session 4 (Speakers: 7) Management and Reconstruction of Protected Areas after a Disaster |

WG1 PRESENTATIONS

1 Natural Disasters in Protected Areas

| Name of Presenter | Organization | Title of Presentation |
|---------------------------|--|--|
| Yuki Matsuoka | The United Nations International Strategy for Disaster Reduction (UNISDR) | Global Efforts on Disaster Risk Reduction: UNISDR and HFA |
| Shigeo Aramaki | Yamanashi Institute of Environmental Sciences | Volcanic disaster mitigation programs in Japan with special reference to large-scale eruptions |
| Jeffrey A. McNeely | Consultant, Thailand Department of National Parks and Wildlife Conservation A.D. White Professor-at-Large, Cornell University, USA | Protected Areas and Climate Change in Asia: Challenges and Responses for a Creeping Crisis |
| Yam Malla | Country Representative, IUCN Nepal | Natural Disaster and Protected Areas, Managing Natural Disasters in Nepal's Protected Areas |
| Toru Ishikawa | The Council for the Promotion of the Kirishima Geopark | Volcanic disasters on the area of the Geopark: an example of the Kirishima Geopark, Southern Kyusyu, Japan |

WG1 PRESENTATIONS

2 Ecosystem Conservation and Disaster Risk Reduction

| Name of Presenter | Organization | Title of Presentation |
|----------------------------------|--|---|
| Radhika Murti | Disaster Risk Reduction Coordinator, IUCN HQ | The Role of Ecosystem Services for DRR and CCA |
| Yen Nguyen Thi | Disaster Risk Reduction and Climate Change Coordinator CARE International in Viet Nam | Mangroves and coastal community resilience Thanh Hoa province, Viet Nam |
| Jan Sopaheluwakan | Board of Advisor International Center for Interdisciplinary and Advanced Research, Indonesian Institute of Sciences | The West Java Watershed-Biosphere Reserve and Jakarta Urban Resilience Nexus: The Battle Ground for an Integrated Approach to Conservation and Disaster Risk Reduction |
| Ravadee Prasertcharoensuk | Director, Sustainable Development Foundation (SDF) | Ecosystem-Based Integrated Coastal Resource Management through Multi-stakeholder Participation in Had Jaw Mai National Park, Trang Province, Thailand |
| Kei Jinnai | Director, Forestry and Nature Conservation Division 1 Global Environment Department, Japan International Cooperation Agency (JICA) | JICA's Experiences and Challenges to Eco-DRR in Development Assistance Context |
| Syamsidik | Tsunami and Disaster Mitigation Research Center (TDMRC), Syiah Kuala University | Challenges in Disaster Risk Reduction around Marine Parks in Aceh-Indonesia |
| Leigh Welling | US National Park Service | Enhancing Resiliency in the Wake of Hurricane Sandy |
| Saburo Mimatsu | Curator of MIMATSU MASAO MEMORIAL MUSEUM, Adviser to the Toya-Usu Geopark Council | The Role of Those Living at the Foot of the Volcano -Handing Down the Wisdom to the Next Generation- |
| Makoto Hatakeyama | NPO Mori wa Umi no Koibito (Society to protect Forest for Oysters) | The way how disaster prevention should do from lessons of the Great East Japan Earthquake and Tsunami –Emergent report from developing huge seawall in Kesen-numa City~ |

WG1 PRESENTATIONS

3 The Great East Japan Earthquake

| Name of Presenter | Organization | Title of Presentation |
|---|---|--|
| Takehiko Ohta | Professor of Emeritus at the University of Tokyo | Change of Japanese land and construction of coastal forests |
| Hiroshi Kusakabe | Conservation Division, Forestry Agency | Recovery efforts for coastal disaster-prevention forest from the Great East Japan Earthquake |
| Katsunori Nakamura | Tohoku Research Center, Forestry and Forest Products Research Institute | Coastal pine forests damaged from the tsunami caused by the Great East Japan Earthquake |
| Yoshihiko Hirabuki and Minami-Gamou Ecotone Monitoring Network | Department of Regional Design, Tohoku Gakuin University | Huge earthquake/tsunami disturbance, autonomous eco system recovery and the human impact of reconstruction in the Sendai Bay sand-dune coastal ecotone |
| Katsue Fukamachi | Associate Professor, Kyoto University | A network of new links sets the tone for future culture conservation in the <i>Sanriku Fukko</i> (Reconstruction) National Park |
| Yusuke Sakuraba | Ranger, Miyako Ranger Office, Ministry of the Environment, Japan | Tradition of the Memory of the Earthquake Disaster— Who Conveys Memory? |

WG1 PRESENTATIONS

4 Management and Reconstruction of Pas after a Disaster

| Name of Presenter | Organization | Title of Presentation |
|--------------------------|--|---|
| Junichi Hirota | Faculty of Agriculture, Iwate University | Significance of <i>Sanriku Fukko</i> National Park for Reconstruction from Great East Japan Earthquake |
| Yutaka Yoshiyachi | Japan Travel Bureau Foundation | Research on the characteristics of the intention to participate in tourism on the "Michinoku Sea Breeze Trail" |
| Akihiro Nakamura | Graduate student, Division of Appropriate Technology and Sciences for Sustainable Development, Graduate School of Life and Environmental Sciences, University of Tsukuba | Change of a land use by disaster and the role of a protected area |
| Sayaka Hara | Ranger, Lake Toya Ranger Office, Ministry of the Environment, Japan | Environmental education in the volcanic ruins of Mt.Usu |
| Akira Matsumoto | Ranger, Ebino Ranger Office, Ministry of the Environment, Japan | Evolving National Park under Eruption of Mt. Shinmoedake: Cooperation with Kirishima-Kinkowan National Park and Kirishima Geopark |
| Sakanan Plathong | Department of Biology, Faculty of Science, Prince of Songkla University, Thailand | Post-Tsunami Conservation and Sustainable Rehabilitation of Coral Reefs in Marine National Park, Thailand |
| Agus Haryanta | Deputy Director of Human Resources and Equipments, Directorate of Forest Fire Control, Directorate General of Forest Protection and Nature Conservation, Indonesian Ministry of Forestry | Program of community Development of Forest Fire control in Peat Land Area in Indonesia |

MESSAGE FROM WG1

- **Disaster Response: post disaster impacts/ implications for PAs**
- **Ecosystem Based Disaster Risk Reduction: PAs as buffers against disasters**
- **Disaster Recovery: Roles of PAs in post disaster rehabilitation and resilience**

