

2.3: PEAT FOREST-WILDFIRE-IMPACT ON ENVIRONMENT & SOCIETY

A-421	2015 Severe Peat Fires and Air Pollution Near the Former Mega Rice Project Area in Central Kalimantan, Indonesia..... <i>Hiroshi Hayasaka and Alpon Sepriando</i>	323
A-278	Degraded Peatlands, Ground Water Level and Severe Peat Fire Occurrences..... <i>Erianto Indra Putra, Mark A. Cochrane, Yenni Vetrira, Laura Graham and Bambang Hero Saharjo</i>	327
A-259	Detailed Analyses of Emissions from Peat Combustion Across Biomes..... <i>Adam C. Watts, Hans Moosmüller, Vera Samburova, Andrey Y. Khlystov, Madhu Gyawali, Deep Sengupta, Chiranjivi Bhattarai, Reddy L. N. Yatavelli, Rajan K. Chakrabarty, Ian J. Arnold, Barbara Zielinska, Joe D. Knue, Judith Chow, John G. Watson, Xiaoliang Wang, L.-W. Anthony Chen, Anna Tsibart and Guenter Engling</i>	332
A-114	Detection and Characterization of Low Temperature Peat Fires During the 2015 Fire Catastrophe in Indonesia Using a New High-Sensitivity Fire Monitoring Satellite Sensor (Firebird)..... <i>Elizabeth C. Atwood, Sandra Enghart, Eckehard Lorenz, Werner Wiedemann and Florian Siegert</i>	337
A-361	Drivers of Recurrent Peat Fire in Riau and South Sumatera, Indonesia.... <i>Oka Karyanto, Ismail, Ari Susanti, Satyawan Pudyatmoko and Trias Aditya</i>	342
A-427	Fire Prevention through Community Engagement - The Fire Free Village Program..... <i>Craig Tribolet and Sailal Arimi</i>	348
A-112	Fire-Climate Ecosystem Interactions Related to Carbon Accumulation Rates of Peatlands in Jambi, Sumatra (Indonesia) During the Past 12, 000 Years..... <i>Siria Biagioni, Kartika Hapsari, Valentyna Krashevskaya, Marife D. Corre, Peter M. Reimer, Yudhi Achnopa, Asmadi Saad, Tim C. Jennerjahn, Supiandi Sabiham, Edzo Veldkamp and Hermann Behling</i>	352
A-132	First <i>In Situ</i> Measurements of Tropical Peatland Fire Emissions: New Emission Factors for Greenhouse Gas Reporting and Haze Forecasting..... <i>Thomas E. L. Smith, Catherine M. Yule, Stephanie Evers, Clare Paton-Walsh, and Jing Ye Gan</i>	353
A-031	Flaming Peat: Synergistic Effects of Fire and Forest Clearance on Tropical Peat Swamp Forests..... <i>Lydia E.S. Cole, Shonil A. Bhagwat and Katherine J. Willis</i>	355
A-317	Is Peatland Utilization the Main Cause of Land Fire in Indonesia? <i>Moch. Reza Kasfari, Yudha Asmara Adhi, Basuki Sumawinata and</i>	361

2.3: PEAT FOREST-WILDFIRE-IMPACT ON ENVIRONMENT & SOCIETY

Bandung Sahari

A-057	Haze And Peatlands: the Top Three Challenges of Tackling Smouldering Megafires..... <i>Guillermo Rein</i>	365
A-170	Mutual Interdependence between Rewetting, Afforestation and Fire Protection in Tropical Peatlands..... <i>Hidenori Takahashi, Bambang Setiadi and Mitsuru Osaki</i>	366
A-180	National Responses in the Context of ASEAN Developments over Peat Fires and Haze..... <i>Helena Muhammad Varkkey</i>	370
A-357	Peat Fire Economy and Actor Network in Sumatra: An Analytical Approach..... <i>Herry Purnomo, Bayuni Shantiko and Harris Gunawan</i>	375
A-351	Peat Fire Susceptibility in Sarawak, Malaysia in the Context of Climate Change..... <i>Zulfaqar Sa 'adi and Shamsuddin Shahid</i>	380
A-138	Peatland Fires In Riau, Sumatra: Stakeholders' Perceptions of a "Wicked Problem"..... <i>Rachel Carmenta, Aiora Zabala and Jacob Phelps</i>	383
A-119	Quantification and Characterization of Peat Fires and Related Fire-Emission Factors from Tropical Peatlands..... <i>Grahame Applegate, Bambang H. Saharjo, Bob Yokelson, Kevin Ryan, Andrew P.Vayda, Tim Jessup, Sulisty, Erianto Indra Putra, Laura Graham and Mark Cochrane</i>	384
A-239	Recurrent Burnt Peat: Potential Positive Feedback for Peat Fires..... <i>Ahmad Ainuddin Nuruddin, Dayang Nur Sakinah Musa and Luqman Chua</i>	390
A-147	Sources of Anthropogenic Fire Ignitions on the Peat Swamp Landscape in Kalimantan, Indonesia..... <i>Megan E. Cattau, Mark E. Harrison, Iwan Shinyo, Sady Tungau, Maria Uriarte and Ruth DeFries</i>	393