

International Symposium on Agricultural Meteorology 2013  
Oral Session

Thu. 28 March 2013, Room B

Chair: Naru Takayama(Osaka Institute of Technology)

9:00-9:20	IB-1 Evapotranspiration and water balance in a water use association block area in South Slawesi during the dry season Hiroki Oue (Ehime Univ), Sartika Laban (UGAS Ehime Univ) and Agnes Lanpisela (Hasanuddin Univ)
9:20-9:40	IB-2 Evapotranspiration and the agricultural water use of a rice paddy field and a green bean field in South Slawesi during the dry season Sartika Laban (UGAS Ehime Univ), Hiroki Oue (Ehime Univ) and Agnes Lanpisela (Hasanuddin Univ)
9:40-10:00	IB-3 Artificial Rainfall Technique Based on the Aircraft Seeding of Liquid Carbon Dioxide near Miyake and Mikura Islands, Tokyo, Japan Taichi MAKI (Faculty of Life and Environmental Sciences, University of Tsukuba & Professor Emeritus, Kyushu University), Osamu MORITA (Office for a Sustainable Future, Fukuoka University), Yoshinori SUZUKI (Professor Emeritus, Kyushu University) and Kenji WAKIMIZUI (Faculty of Agriculture, Kyushu University)
10:00-10:20	IB-4 Early-winter Snowfall during a Cold Air Outbreak on 23-25 December 2010 Ryoichi WATANABE, Kenji SUZUKI, and Soichiro SUGIMOTO

Chair: Kenji Suzuki(Yamaguchi University)

10:25-10:45	IB-5 Desertification process assessment in Asia over the past 30 years Guo Meng <sup>1</sup> , Wang Xiufeng <sup>1</sup> , Matsuoka Nobuhiro <sup>2</sup> , Tani Hiroshi <sup>1</sup> , Matsumura Shinji <sup>3</sup> , Yi Kunpeng <sup>1</sup> and Zhong Guosheng <sup>1</sup> (1 Hokkaido Univ., 2 Chiba Univ., 3 Kagawa Univ.)
10:45-11:05	IB-6 Extreme weather that led to historic Mongolian livestock mortality during the 2009-2010 winter Kaoru Tachiiri (JAMSTEC), Masato Shinoda (Tottori Univ.), Yuki Morinaga (Meiji Univ.), Takako Koike (Tottori Univ.), Erdenetssetseg Baasandai (IMHE,Mongolia) and Hiroshi Komiyama (JIRCAS)
11:05-11:25	IB-7 Identification of Radioactive Contamination Area of Fukushima Daiichi: Its Comparison of the case of Chernobyl Nobuhiro Sawano (Women's Department of Kanazawa Seiryō University)

Fri. 29 March 2013, Room B

Chair: Daiyu Ito (Hirosaki University)

9:00-9:20	IB-8 Water stable aggregate of the plowsole pan and surface soil Jun SUZUKI, Sayaka OKAMURA and Kento HORI(Faculty of Agriculture, Shinshu University)
9:20-9:40	IB-9 Daily changes of plants nutrient absorption OKUYAMA Yodai, OZAWA Kiyoshi, TAKAGAKI Michiko
9:40-10:00	IB-10 Nitrogen Potential of Human urine for Fertilizer Kiyoshi Ozawa (Meiji University) and Shinkichi Goto (JIRCAS)
10:00-10:20	IB-11 Photosynthetic response of Takanari and Koshihikari rice cultivars under Free-Air CO <sub>2</sub> Enrichment CHEN, Charles, SAKAI, Hidemitsu, USUI, Yasuhiro, TOKIDA, Takeshi, NAKAMURA, Hirofumi, HASEGAWA, Toshihiro

Chair: Masayoshi Mano(Chiba University)

10:25-10:45	IB-12 1-year observation of CO <sub>2</sub> flux at wheat-planted plot, experiencing seasonal snow cover Shinjiro OHKUBO (NARO), Osamu NAGATA (NARO) and Tomoyoshi HIROTA (NARO)
10:45-11:05	IB-13 Estimation of emission factors for organic fertilizer-induced N <sub>2</sub> O emissions from Japanese agricultural soils Tomohito Sano <sup>1</sup> , Kazuya Nishina <sup>1, 2</sup> , Noriko Oura <sup>1</sup> , Shigeto Sudo <sup>1</sup> , Yoshie Fuyama <sup>3</sup> , Shinji Yano <sup>3</sup> , Katsumi Kumagai <sup>3</sup> , Satoru Ohkoshi <sup>4</sup> , Mutsuto Satou <sup>4</sup> , Yutaka Fujita <sup>5</sup> , Tsuyoshi Iimura <sup>5</sup> , Yutaka Shiratori <sup>6</sup> , Yuichiro Furukawa <sup>6</sup> , Ayumi Tsunekawa <sup>7</sup> , Atsuo Sugano <sup>7</sup> , Hiroyuki Nishimoto <sup>7</sup> , Masaki Tsuji <sup>7</sup> , Hiroyuki Hasukawa <sup>8</sup> , Yuki Takahashi <sup>8</sup> , Yasufumi Suzue <sup>9</sup> , Yasufumi Kuroda <sup>9, 10</sup> , Yusuke Hirayama <sup>11</sup> , Yasunao Yamada <sup>11</sup> , Hiroyuki Mizukami <sup>12</sup> , Hidenobu Joh <sup>12</sup> , Ichirou Uezono <sup>13</sup> , Koji Furue <sup>13</sup> 1) National Institute for Agro-Environmental Sciences, 2) National Institute for Environmental Studies, 3) Yamagata Integrated Agricultural Research Center, 4) Fukushima Agricultural Technology Centre, 5) Horticultural Institute, Ibaraki Agricultural Center, 6) Niigata Agricultural Research Institute, 7) Aichi Agricultural Research Center, 8) Shiga Prefecture Agricultural Technology Promotion Center, 9) Agriculture Research Institute, Tokushima Agriculture, Forestry and Fisheries Technology Support Center, 10) Southern Part Office, Tokushima Prefecture, 11) Nagasaki Agricultural and Forestry Technical Development Center, 12) Kumamoto Prefectural Agricultural Research Center, 13) Kagoshima Prefectural Institute for Agricultural Development
11:05-11:25	IB-14 A model based study of biomass use strategies depending on climate and potential of provisioning ecosystem services Takashi Machimura, Takanori Matsui, Nao Kirikawa, Yuki Mori (Osaka University) and Makoto Ooba (Nagoya University)
11:25-11:45	IB-15 Ecosystem service assessment for wood biomass utilization by coupled modeling approach M. Ooba*, K Hayashi (EcoTopia Science Institute, Nagoya University), T. Machimura, T. Matsui (Graduate School of Engineering, Osaka University)