

International Symposium on Agricultural Meteorology 2014 -Organized Session-

IA [Micro-meteorological environments and physiological functions of plant] 12:30 – 14:45 17 March, Room B
Organizers: Kiyoshi OZAWA (Meiji Univ.), Tsuneo KUWAGATA (National Institute for Agro-Environmental Sciences)
and Tsutomu WATANABE (Hokkaido Univ.)

IA-1	Environmental factors alter the canopy temperatures of rice paddy	Mayumi YOSHIMOTO, Minehiko FUKUOKA, Yasuhiro USUI and Toshihiro HASEGAWA (National Institute for Agro-Environmental Sciences)
IA-2	Why do we need to link between crop morphology, physiology and micrometeorology in the context of climate change impacts?	Toshihiro HASEGAWA (National Institute for Agro-Environmental Sciences)
IA-3	Seasonal variations in canopy-scale water-use efficiency of irrigated rice	Keisuke ONO ¹ , Masayoshi MANO ² , Takahiro TAKIMOTO ¹ , Md Abdul BATEN ³ , Jianguo ZHU ⁴ and Akira MIYATA ¹ (¹ National Institute for Agro-Environmental Sciences, ² Chiba Univ., ³ Bangladesh Agricultural Univ., ⁴ Institute of Soil Science, Chinese Academy of Sciences)
IA-4	Modeling studies of the micrometeorological processes that intimately interact with plant's physiology and morphology	Tsutomu WATANABE (ILTS, Hokkaido Univ.) and Tsuneo KUWAGATA (National Institute for Agro-Environmental Sciences)
IA-5	Response of aquaporin expressions in the rice roots to micro-meteorological environments	Tsuneo KUWAGATA ¹ , Mari MURAI-HATANO ² , Junko ISHIKAWA-SAKURAI ² and Hidehiro HAYASHI ² (¹ National Institute for Agro-environmental Sciences, ² NARO Tohoku Agricultural Research Center)

IB [Development and practice of advanced basin model in Asia] 13:00 – 16:00 18 March, Room B
Organizer: Kazuo OKI (The Univ. of Tokyo)

	Introduction	Kazuo OKI (The Univ. of Tokyo)
IB-1	Impact analysis of future climate change on water resources and nitrogen load	Koshi YOSHIDA, Ryunosuke HARIYA, Kenji TANAKA (Ibaraki Univ.) and Issaku AZECHI (National Agriculture and Food Research Organization)
IB-2	Mapping irrigated areas in the Dry Zone of Myanmar by differentiating evapotranspiration from irrigated and rain-fed areas	Somphasith DOUANGSAVANH, Matthew McCARTNEY and Guillaume LACOMBE (International Water Management Institute(IWMI))
IB-3	Development of a rice simulation model for remote-sensing (SIMRIW-RS)	Koki HOMMA, Masayasu MAKI and Yoshihiro HIROOKA (Kyoto Univ.)
IB-4	Estimation of rice yield by assimilating remote sensing data into crop growth model (SIMRIW-RS)	Masayasu MAKI, Koki HOMMA, Yoshihiro HIROOKA (Kyoto Univ.) and Kazuo OKI (The Univ. of Tokyo)
IB-5	Integrated cropping calendar information system in coping with climate change in Indonesia	Haris SYAHBUDDIN, Eleonora RUNTUNUWU, Fadhlullah RAMADHANI, Irsal LAS, Muhrizal SARWANI and Haryono (Indonesia Agency for Agricultural Research and Development)
IB-6	Modeling the spatial pattern of land-use change in Citarum River Basin	Hiroaki SHIRAKAWA ¹ , Keigo NODA ² , Kazuo OKI ² , Patricia San MIGUEL ¹ and Osamu HIGASHI ³ (¹ Nagoya Univ., ² The Univ. of Tokyo, ³ Hiroshima Univ.)
IB-7	Household livelihoods and utilization of environmental resources in rural areas of South-east Asia during the high-growth economy	Nao ENDO ¹ , Hiroaki SHIRAKAWA ² , Keigo NODA ³ , Masayasu MAKI ⁴ and Kazuo OKI ¹ (¹ Kochi Univ., ² Nagoya Univ., ³ The Univ. of Tokyo, ⁴ Kyoto Univ.)
IB-8	Evaluation of ecosystem services regarding soil conservation in Citarum River Basin	Keigo NODA ¹ , Hiroaki SHIRAKAWA ² , Koshi YOSHIDA ³ and Kazuo OKI ¹ (¹ The Univ. of Tokyo, ² Nagoya Univ., ³ Ibaraki Univ.)
IB-9	Economic instruments and institutional analysis of ecosystem service provisions in Citarum Basin, West Java, Indonesia	Beria LEIMONA ¹ , Keigo NODA ² , Hiroaki SHIRAKAWA ³ and Patricia San MIGUEL ³ (¹ World Agroforestry Center, Indonesia, ² The Univ. of Tokyo, ³ Nagoya Univ.)
IB-10	Energy and water resource management based on effective biomass utilization in Xi'an City	Osamu HIGASHI (Hiroshima Univ.), Hiroaki SHIRAKAWA (Nagoya Univ.) and Kazuo OKI (The Univ. of Tokyo)

IC [Sustainable forest and crop production affected by air pollution: an Asian perspectives] 9:00 – 11:30 19 March, Room B
Organizers: Makoto WATANABE (Tokyo Univ. of Agriculture and Technology) and Takayoshi KOIKE (Hokkaido Univ.)

	Introduction	
IC-1	Crop production under rising surface ozone concentration in Asia	Kazuhiko KOBAYASHI ¹ , Haoye TANG ² and Jianguo ZHU ² (¹ The Univ. of Tokyo, ² Institute of Soil Science, Chinese Academy of Sciences)
IC-2	Effects of air pollutants on photosynthetic activity of Asian forest tree species	Masahiro YAMAGUCHI and Takeshi IZUTA (Tokyo Univ. of Agriculture and Technology)
IC-3	Free air ozone fumigation study on deciduous broad-leaves tree species in northern Japan	Makoto WATANABE ¹ , Yasutomo HOSHIKA ^{2,3} , Xiaona WANG ² , Qiaozhi MAO ² , Naoki INADA ² , Tetsuichi SAKIKAWA ² and Takayoshi KOIKE ² (¹ Tokyo Univ. of Agriculture and Technology, ² Hokkaido Univ., ³ Institute of Plant Protection, National Research Council of Italy)
IC-4	Combination effects of ozone and/or CO ₂ on rhizosphere	Xiaona WANG ¹ , Laiye QU ² , Makoto WATANABE ^{1,3} and Takayoshi KOIKE ¹ (¹ Hokkaido Univ., ² Research Center for Eco-Environment Sciences, Chinese Academy Sciences, ³ Tokyo Univ. of Agriculture and Technology)
IC-5	Ozone flux studies on broad leaved forests in Japan	Masabumi KOMATSU ¹ , Kenichi YOSHIMURA ¹ , Saori FUJII ² , Kenichi YAZAKI ¹ , Hiroyuki TOBITA ¹ , Yasuko MIZOGUCHI ¹ , Takafumi MIYAMA ¹ , Yuji KOMINAMI ¹ , Yukio YASUDA ¹ , Katsumi YAMANOI ¹ and Mitsutoshi KITAO ¹ (¹ Forestry and Forest Products Research Institute, ² Yokohama National University)
	General discussion	