

Appendix II

Publication List of ICCAP

Papers reviewed (refereed)

【Climate】

- Aoki, I., Y. Kurosaki, R. Osada, T. Sato, and F. Kimura 2005: Dust storms generated by mesoscale cold fronts in the Tarim Basin, Northwest China, *Geophys. Res. Lett.*, 32-3, L06807 doi:10.1029/2004GL021776.
- Ashrit, R., A. Kitoh, and S. Yukimoto 2005: Transient response of ENSO-monsoon teleconnection in MRI-CGCM2.2 climate change simulations, *J. Meteor. Soc. Japan*, 83, 273-291.
- Fujita, M., T. Sasaki, and F. Kimura 2006: A Dramatic Daytime Decrease in Water Vapor over Coastal Thailand, *SOLA*, 2, 49-52.
- Geethalakshmi, V., A. Yatagai, K. Palanisamy, and C. Umetsu 2006: Impact of ENSO and the Indian Ocean Dipole on the Northeast Monsoon Rainfall of Tamil Nadu state in India. *Submitted to Hydrological Processes*. (under 2nd review)
- Iizumi, T., Y. Hayashi, and F. Kimura 2006: Influence of global warming on rice production in Japan in years with a hot summer and cool summer, accepted by *Journal of Agricultural Meteorology*.
- * Iizumi, T., Y. Hayashi, and F. Kimura 2007: Influence on rice production in Japan from cool and hot summers after global warming, *J. Agric. Meteor.*, 63. (in press)
- * Iizumi, T., M. E. Hori, M. Yokozawa, H. Nakagawa, Y. Hayashi, and F. Kimura 2006: Impact of global warming on rice production in Japan based on five coupled Atmosphere-Ocean GCMs, *SOLA*, 2, 156-159.
- * Iizumi, T., F. Kimura, and Y. Hayashi 2006: Impact of climate-model bias on changes in rice yield caused by global warming, *Climatic Change*. (under review)
- * Iizumi, T., M. Yokozawa, Y. Hayashi, and F. Kimura 2006: Global warming impact on rice insurance payouts in Japan, *Agric. and Forest Meteor.* (under review)
- Kawase, H., T. Sato, and F. Kimura 2005: Numerical experiments on cloud streets in the lee of island arcs during cold-air outbreaks. *Geophys. Res. Lett.*, 32 L14823 doi:10.1029/2005GL023256.
- Kawase, H., Y. Takeuchi, and F. Kimura 2006: Precipitable water vapor round orographically induced convergence line, *SOLA*, 2, 25-28.
- Kitoh, A., M. Hosaka, Y. Adachi, and K. Kamiguchi 2005: Future projections of precipitation characteristics in East Asia simulated by the MRI CGCM2, *Adv. Atmos. Sci.*, 22, 467-478.
- Nohara, D., A. Kitoh, M. Hosaka, and T. Oki 2006: Impact of climate change on river discharge projected by multi-model ensemble, *J. Hydrometeor.*, 7, 1076-1089.
- Okamura, O. and F. Kimura 2003: Behavior of GPS-derived precipitable water vapor in the mountain lee after the passage of a cold front. *Geophys. Res. Lett.*, 30, 1746, doi:10.1029/2003GL017572.
- Sato, T. and F. Kimura 2003: A two-dimensional numerical study on diurnal cycle of mountain lee precipitation, *J. Atmos. Sci.*, 60, 1992-2003.
- Sato, T. and F. Kimura 2005: Impact of diabatic heating over the Tibetan plateau on subsidence over Northeast Asian arid region. *Geophys. Res. Lett.*, 32-3, L05809, doi:10.1029/2004GL022089.
- Sato, T. and F. Kimura 2005: Diurnal cycle of Convective Instability around the Central Mountains in Japan during the Warm Season. *J. Atmos. Sci.*, 62-5, 1626-1636.
- Sato, T. and F. Kimura 2006: How does Tibetan Plateau affect transition of Indian monsoon rainfall? Accepted by *Monthly Weather Review*.
- Sato, T., F. Kimura, and A. Kitoh 2006: Projection of global warming onto regional precipitation over Mongolia using a regional climate model, accepted by *Journal of Hydrology*.

- Tsunematsu, N., T. Sato, F. Kimura, K. Kai, Y. Kurosaki, T. Nagai, H. Zhou, and M. Mikami 2005: Extensive dust outbreaks following the morning inversion breakup in the Taklimakan Desert, *J. Geophys. Reserch*, 110, D2120710,1029/2005JD005994.
- Wang, Y., L. R. Leung, J. L. McGregor, D. - K. Lee, W. - C. Wang, Y. Ding, and F. Kimura 2004: Regional climate modeling: Progress, Challenges, and Prospects, *J. Meteor. Soc. Japan.*, 82, 1599-1628.
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- Yatagai, A. 2003: Hydrological balance and its variability over the arid/semi-arid regions in the Eurasian Continent seen from ECMWF 15-year reanalysis data, *Hydrological Processes*, 17, 2871-2884.
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- Yatagai, A., N. Yamazaki, and T. Kurino 2007: The products and validation of GAME reanalysis and JRA-25 Part 1: Surface Fluxes, *Hydrological Processes*. (in press)
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- Yoshikane, T. and F. Kimura 2003: Formation Mechanism of the Simulated SPCZ and Baiu front using a Regional Climate Model, *J. Atmos. Sci.*, 60, 2612-2632.

【Hydrology】

- * Fujihara, Y., T. Kojiri, K. Tomosugi, H. Irie, and N. Sakata 2005: Impacts of Climate Change on the Water Utilization Planning of Reservoirs, *Engineering for Dams*, 230, 3-11. (in Japanese)
- * Fujihara, Y., M. Ode, T. Kojiri, K. Tomosugi, and H. Irie 2006: Effects of Global Warming on the Water Resources of the Tone River Basin, *Annual Journal of Hydraulic Engineering*, 50, 367-372. (in Japanese)
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- Fujinawa, K. 2003: The Impact of future possible sea level rise on saltwater Intrusion in coastal aquifers and the effect of some protective measures for coastal environment, The Second International Conference on Saltwater Intrusion and Coastal Aquifers —Monitoring, Modeling and Management. Merida, Yucatan, Mexico, March 30-April 2, 1-5.
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【Crop】

- Kobata, T. and N. Uemuki 2004: High Temperatures during the grain filling period do not reduce the potential grain dry-matter increase of rice. *Agronomy Journal*, 96,406-414.
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- Shiraiwa, T., H. Nakagawa, T. Horie, T. Matsui, and K. Homma 2002: Variability of rice production in Thailand and effects of rainfall on that, *Global Environment*, 6, 207-215. (in Japanese)
- Watanabe, T., J. S. Hanan, P. M. Room, T. Hasegawa, H. Nakagawa, and W. Takahashi 2005: Rice morphogenesis and plant architecture: measurement, specification and the reconstruction of structural development by 3D architectural modeling. *Annals of Botany*, 95, 1131-1143.
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【Vegetation】

- Hirata, M. 2007: “Seasonal Movement System of Pastoral Camps in the central Mongolia-Could sedentarization possibly happen on pastoral subsistence ?-” *Journal of Arid Land Studies*,17-(2). (in press) (in Japanese)
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- Sano, J., S. Tamai, M. Ando, and K. Kato 2006: Effects of Climate Change on the Species Composition and Vegetation Productivity in Arid Areas - Species Composition and Distributional Patterns of Predominant Tree Species in the Eastern Mediterranean Region of Turkey -. Abstracts of the Second Scientific Congress of East Asian Federation of Ecological Societies, 499.

【Irrigation and Drainage】

- Chakravorty, U. and C. Umetsu 2003: Basinwide Water Management: A Spatial Model, *Journal of Environmental Economics and Management*, 45(1), 1-23.

- * Hoshikawa, K., T. Nagano, T. Kume, and T. Watanabe 2006: Development of a model for assessing the performance of irrigation management systems and evaluation of impact of climate changes on the Lower Seyhan Irrigation Project, Proc. of International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, Adana, Turkey.
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- * Nagano, T., S. Donma, K. Hoshikawa, T. Kume, C. Umetsu, E. Akça, S. Önder, S. Berberoğlu, B. Ozekici, T. Watanabe, S. Kapur, and R. Kanber 2006: An integrated approach for assessment of an irrigation system in Lower Seyhan Plain, Turkey, Proc of International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, Adana, Turkey. (CD-ROM)
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- * Umetsu, C., S. Donma, T. Nagano, and Z. Coşkun 2006: The Efficiency of WUA Management in the Lower Seyhan Irrigation Project, *Journal of Rural Economics, Special Issue 2005*, 440-444.
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- * Watanabe, T., K. Hoshikawa, T. Kume, T. Nagano, and R. Kanber 2006: Assessment of climate change impacts on irrigation management using a performance assessment model, Proc. of International Congress for Irrigation and Drainage, Kuala Lumpur, Malaysia. (CD-ROM)

【Socio-Economic】

- * Atsuyuki, A. The Conservation of Government Pasture Land and the Economic Efficiency of Pasture Law in Turkey.
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- Chianu, J, N., H. Tsujii, and V. M. Manyong 2007: Crop-livestock Interaction in the Savannas of Northern Nigeria: Nature and Determinats of Farmer Decision to Use Manure for Soil Fertility Maintenance., Accepted for publication in *Journal of Food, Agriculture & Environment*, 5, 1, February.
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【Turkey】

- Aydin, M., S. L. Yang, N. Kurt, and T. Yano 2005: Test of a simple model for estimating evaporation from bare soils in different environments, *Ecological Modelling* 182,91-105.
- Aydin, M., T. Yano, F. Evrendilek, and V. Uygur 2007: Implications of climate change for evaporation from bare soils in a Mediterranean environment. (submitted)
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- Evrendilek, F. and S. Berberoglu 2007: Quantifying spatial patterns of bioclimatic zones and controls in Turkey, *Theo. Appl. Climatology* .(in press)
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- Kilic, S., F. Evrendilek, S. Senol, and I. Celik 2005: Developing a suitability index for land uses and agricultural land covers: a case study in Turkey, *Environ. Monit. Assess.*, 102, 323-335.
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【Israel】

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Paper not reviewed

【Climate】

- Ashrit, R., A. Kitoh, and S. Yukimoto 2005: Transient response of ENSO-monsoon teleconnection in MRI-CGCM2.2 climate change simulations. *J. Meteor. Soc. Japan*, 83, 273-291.
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