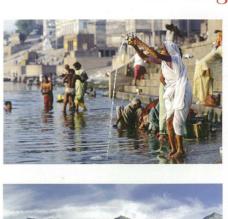
PROCEEDINGS OF THE CERES INTERNATIONAL SYMPOSIUM ON REMOTE SENSING

"Maximization of the Use of Satellite Data for Understanding the Earth Environment"





















Chiba University, Japan December 13 - 14, 2005

Published by Center for Environmental Remote Sensing (CEReS), Chiba University, 1-33 Yayoi-cho, Inage, Chiba, 263-8522 Japan

CEReS: http://www.cr.chiba-u.jp/ Symposium: http://www2.cr.chiba-u.jp/symp2005/

This compilation ©2005, Center for Environmental Remote Sensing, Chiba University Authors Retain All Rights to Individual Manuscript.

Cover Designed by T. Ishiyama

Proceedings of The 11th CEReS International Symposium on Remote Sensing

"Maximization of the Use of Satellite Data for Understanding the Earth Environment"

December 13-14, 2005

Organized by
Center for Environmental Remote Sensing (CEReS),
Chiba University, Japan

Supported by the Remote Sensing Society of Japan (RSSJ)

(Editors)

J. Tetuko S. S., T. Ishiyama and R. Tateishi

Contents and the second second

(Papers)

CEOP Data Integration System Kenji Taniguchi1
TRMM-PR, its possibility and limitation for the global mapping of precipitation Masafumi Hirose9
Necessary paths for developing harmonized global land-use classifications Christophe Duhamel
Harmonisation of land-use classifications Louisa J.M. Jansen23
Forest fire analysis for several years in Russia by using NOAA satellite Jun-ichi Kudoh43
Agricultural land-use in northeastern Asia and climate change Katsuo Okamoto, Junko Shindo, and Hiroyuki Kawashima53
Utilization of Satellite Imagery for Vegetation Drought Monitoring in Indonesia Eleonora Runtunuwu67
Characteristics of dust event in east Asia: focus on the Gobi Desert, Taklamakan Desert and Mongolia regions Yasunori Kurosaki73
Land cover monitoring over Yellow River basin in China using remote sensing Masayuki Matsuoka, Tadahiro Hayasaka, Yoshihiro Fukushima, Yoshiaki Honda, and Taikan Oki75
Analysis of population density distribution with image satellite K. Wikantika, F. M. Rahman, A. Hernandi and F. Hadi79
Mapping of soil degradation by topsoil grain size using MODIS data Jieying Xiao, Yanjun Shen, and Tateishi Ryutaro85
Land cover change and land use of oases surrounding Taklimakan desert in Xinjiang Uyghur, China derived from satellite images T. Ishiyama, N. Saito, S. Hujikawa, and H. Ohkawa91
Ice breakup dates on 18 Eurasian lakes estimated by MODIS data from 2001 to 2005 Takashi Nonaka, Tsuneo Matsunaga, and Akira Hoyano99
Estimation of Miyakejima volcanic gas hazards using vegetation index images Naoko Iino, Kisei Kinoshita, Toshiaki Yano, and Shuichi Torii
Vegetation and water quality analyses of industrial waste using remote sensing Wenhui Zhao, Takanori Sasaki, and Shigetaka Fujita
Satellite image presentation system for education SiPSE based on DEM data Kisei Kinoshita, Nobuya Tomioka, and Hirotsugu Togoshi
Hydrologic image interpretation on small-scale on farm pond using high resolution satellite imagery Kenji Suzuki and Yukiyo Yamamoto
Processing and interpretation of JERS-1 Synthetic Aperture Radar (SAR) image of Cepu and its surrounding areas, central Java province, Indonesia W. W. Parnadi, S. Rusli, K. Wikantika, and J. Tetuko S.S
Impact of the sea surface temperature anomaly in the Pasific and Indian oceans to Indonesian climate Bannu, Hiroaki Kuze, Nobuo Takeuchi, and Dadang Ahmad Suriamihardja
at mengenan kan mengelak salah kebasah kepada dan kebasah dalah berasah pelantah berasah berasah berasah dan b

Identification of the climate control factors on carbon cycle variations of tropical forests combined analysis of ground and satellite observations Shin Nagai, Kazuhito Ichii and Hiroshi Morimoto
TRMM observations of the precipitation around the Himalayan region B.C. Bhatt, A. Higuchi, and K. Nakamura
Comprehensive evaluation of Leaf Area Index estimated by several methods: LAI2000, SunScan, Fish-eye, and litter trap
Midori Kurata, G.A. Sanchez-Azofeifa, Wang Quan, and Yoshitaka Kakubari149
Applying the remote sensing in a decision support tool for food security E. Runtunuwu, F. Ramadhani, and S. Hari Adi
The environmental problem of the Dead Sea using remote sensing and GIS techniques A. Al-Hanbali, H Al-Bilbisi, and A. Kondoh
Experimental study on the effect of Cheongegecheon restoration on urban environment. (Long-path measurement of atmospheric pollutant species with an obstruction flashlight) Yohei Shiraki, Ippei Harada, Hiroaki Kuze, and Toshiaki Ichinose
Study on the effect of a green covering into the land value in the Tokyo Metropolis by geographic information system Ippei Harada and Akihiko Kondoh
The relationship between PAL NDVI and land use changes in semi-arid regions, China Hajime Osada and Akihiko Kondoh
The present situation of water resources in XinJiang by using GIS and remote sensing Dilnur Aji and Akihiko Kondoh
Information design for agricultural plant planning and remote sensing data visualization Takeshi Sunaga, Tomoyuki Shigeta, Yutaka Mugishima, Noriyuki Yoyasu, Hironobu Ryou, Daigo Yamazaki, Chiharu Hongo, and Kazunari Yokoyama
Analysis of factors which effects surface temperature of urban green areas Tsuyoshi Honjo, Hiroshi Ueda, Yui Nagatani, Eunmi Lim, and Kiyoshi Umeki
Urban change monitoring using former Japanese army maps and remote sensing: the 100 years of human activity in Jakarta (former Batavia city) by remote sensing, history and demographic approaches J. Tetuko S.S., I. Indreswari S., and R. Tateishi ———————————————————————————————————
APEX, a tool for the simulation, calibration and validation of Earth observation sensors Nieke, Honda, Murakami, Takeuchi, and Itten205
A new approach using various RS data for vegetation parameter retrieval as input to ecosystem models Huber, Schopfer, Kneubuhler, Nieke, and Itten209
Application of regression tree method for estimating percent tree cover of Asia with Quickbird images as training data Rokhmatuloh, Hussam Al-Bilbisi, Arihara Kota, Toshiyuki Kobayashi, and Ryutaro Tateishi213
Examination of surface albedo distribution over Japan from GMS-5/VISSR visible images Koji Horiuchi, Hiroyuki Sakai, Mitsuo Minomura, Bannu, Hiroaki Kuze, Nobuo Takeuchi
Cloud characterization in Chiba area from dual-site lidar observation and NOAA-AVHRR satellite Gerry Bagtasa, Cheng Liu, Hiroaki Kuze, Nobuo Takeuchi, Suekazu Naito, Akihiro Sone, and Hirofumi Kan 229
Growth analysis of potato using a satellite image and GIS Chiharu Hongo and Takuya Michiba233
Monitoring ET with remote sensing and the management of water resources on a basin scale Jiemin Wang, Reiji Kimura, and Wim Bastiaanssen
Comparison of monitoring applicability between Crop Production Index and conventional methods using satellites Daiiiro Kaneko



CERRES

Center for Environmental Remote Sensing,
Chiba University