

Presentation #4

Title. Observation and Monitoring of the World Using Earth Observation Satellite Data

Dr. Chandra Prasad Giri, Chief of Sensing and Spatial Branch, Office of Research and Development, Environmental Protection Agency (EPA)

Abstract

Not Available

Biography

Dr. Chandra Prasad Giri is Chief of Sensing and Spatial Branch at Office of Research and Development, Environmental Protection Agency (EPA). His broad research interests relate to land cover characterization, mapping and monitoring using remote sensing and GIS.

Before joining EPA, Dr. Giri was a Research Physical Scientist at U. S. Geological Survey/Earth Resources Observation Science Center (EROS). While there, he led two projects: global 30 land cover monitoring and distribution and dynamics of mangrove forests of the world. He served as PI on (i) biodiversity characterization of North America focusing on biogeographical distribution of small-ranged endemic species, (ii) Co-I to study potential effects of climate change on harmful invasive species distributions in the United States, (iii) PI of NASA funded project on the study of mangrove forests distribution and dynamics of the world, and (iv) Co-I in the North American Land Change Monitoring System, and GLOBCOVER projects. Previously, he studied continental and global land cover characterization and mapping using multi-resolution and multi-sensor remotely sensed data.

Before joining EROS, Dr. Giri worked as a Senior Staff Associate at Columbia University's Center for International Earth Science Information Network (CIESIN) where he was responsible for conducting research on land cover assessment and monitoring, global environmental databases, and gridded population of the world. From 1993 until 2000, he worked for the United Nations Environment Programme, Environment Assessment Programme for Asia and the Pacific (UNEP/GRID-Bangkok) and Asian Institute of Technology (AIT). In this capacity he served as a principal investigator and project coordinator in various projects in Asia and the Pacific including land cover assessment and monitoring, strategic environmental framework for Greater Mekong Sub-region, study of environmental degradation in and around refugee camps in eastern Nepal, deforestation monitoring in Myanmar (Burma), forest fire in Southeast Asia, and glacier lake outburst flood monitoring.

From 1998 to 1991, he worked for the Forest Department of His Majesty's Government of Nepal. He holds the Bachelor of Science in Science and also in Forestry from Tribhuvan University, Nepal and Master of Science in Natural Resources and Ph. D. in Remote Sensing and GIS from Asian Institute of Technology, Bangkok, Thailand.

