

**USAID/LAC Seminar:
The Use of Spatial Information Technologies
in Land Administration and Land Tenure**



**LAND
TENURE
CENTER**

An Institute for Research and Education
on Social Structure, Rural Institutions,
Resource Use and Development

Land Tenure Center
1357 University Avenue
University of Wisconsin-Madison
Madison, Wisconsin 53715

**USAID/LAC Seminar:
The Use of Spatial Information Technologies
in Land Administration and Land Tenure**

Prepared and Edited by:

**Steven Hendrix
Stephen Ventura
James Gage
Stephen Leisz**

Materials presented at the June 18, 1996
USAID/LAC Workshop

**Prepared for the Land Tenure Center
University of Wisconsin-Madison**

June 1996

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SEMINAR ANNOUNCEMENT

USAID/LAC Seminar: The Use of Spatial Information Technologies
in Land Administration and Land Tenure

June 18, 1996
Room 1408 NS, 9 am to Noon
Sponsored by LAC/RSD/BBEG and G/EG/AFS/FP

Presentations By:

Steven E. Hendrix, Stephen Ventura, James Gage and Stephen Leisz
Land Tenure Center, University of Wisconsin-Madison

The use of spatial information technologies is in the process of radically changing land registration and land information processes worldwide. As with every technological advance, there are distinct advantages to its use, but there are also questions to the extent and applicability of its application and costs associated with commitment using them. It is critical that policymakers understand enough about the technology and other components so as to make informed choices for their clients and constituents.

The Land Tenure Center, University of Wisconsin-Madison, has been invited to present a briefing covering:

1. Critical land and resource tenure needs.
2. Systems overview of GPS and GIS: what they are, how they are organized, and how they can be managed.
3. Trends in satellite remote sensing, and implications for modern land information systems.
4. Development and application of computerized land information systems.
5. Successes and questions: ongoing and proposed programs from the University of Wisconsin experience.
6. Questions and issues.

Issues discussed will include intellectual property rights over attribute information, and the new White House policy on GPS vis-a-vis the Departments of Defense and State. Also featured will be a draft strategy for advancing land administration in the LAC region to: (a) lower transaction costs, (b) advance private sector participation, (c) promote transparency of transactions, and (d) allow for greater decentralization and access to services for the public.

Draft Schedule (June 17, 1996)

**USAID/LAC Seminar:
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- 9:00 Introduction
John Becker, USAID/LAC
- 9:05 Schedule of Workshop and Materials
James Gage, Research Program Manager, LTC
- 9:10 Session I
Land Administration Strategy for LAC - Steven Hendrix, LTC
LACTECH Policy and Legal Advisor
- Integrating Spatial Information Technologies and Tenure and Natural
Resource Tenure Issues - The Strategy of the Land Tenure Center -
James Gage
- 9:30 Session II
Systems Overview: A Description of the Components of GIS and GPS -
Stephen Ventura, Associate Professor, Department of Soil Science and
Environmental Studies, and Associate Director, Land Information and
Computer Graphics Facility
- 10:15 BREAK
- 10:20 Session III
Trends in Satellite Remote Sensing and Digital Photogrammetry, and
Implications for Modern Land Information Systems - Stephen Leisz,
LTC Research Assistant
- 11:00 Session IV
GIS Development and Application of Computerized Land Information
Systems - Stephen Ventura
- 11:40 Session V
The UW/LTC Approach: Questions and Answers
- 12:00 Seminar Close

***Please note that the presenters are available this afternoon to answer any questions - please see Steven Hendrix at the break or immediately after the seminar to arrange a meeting time.

Contact Information for Presenters

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