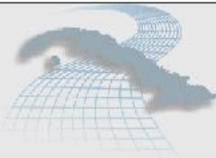




Spatial Data Infrastructure of the Republic of Cuba (IDERC): State and Perspectives

National Commission of the SDI of the Republic of Cuba
CIDERC

GSDI 9, Santiago de Chile 2006



Content

- Legal Framework
- Capacity Building
- Geographic data availability
- Implementation
- Research and Development
- Regional integration
- Conclusions

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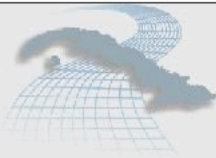
Legal Framework

Agreement No. 5535 of the
Ministry Conseil Executive Committee
16 September 2005



National Commission of the Spatial Data Infrastructure
of the Republic of Cuba (CIDERC)

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Capacity building

February 2002 – Introductory Seminar on SDI, by Dora Inés Rey, Colombia, former Executive Secretary of PC IDEA

February 2003 - University of Wisconsin-Madison / GEOCUBA Workshop on Clearinghouse, Metadata, and Map Server Technologies to Support Spatial Data Infrastructure Development in Cuba

December 2003 – National Workshop on IDERC was held at the University of Informatics Science

May 2004 – SDI Standards into the framework of GEOMATICA 2004, by the coordination of Anthony Cooper, Southafrica, ICA Standards Commission

November 2004 – University of Wisconsin-Madison “IDERC Workshop on Environmental & Policies”

2005 – Several capacity activities supporting the Agreement 5535.

April 2006 – Generalities of SDIs. Implementation at local and national levels, by Prof. Dr. Joep Crompvoets, Wageningen University, The Neatherland.

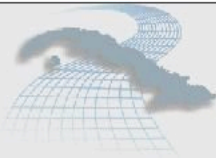
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Capacity building: 2006-2007

- SDI Policies workshop: January-March 2006
- SDI-related workshops in GEOMATICA 2007: February 2007
- Workshop on Standards and SDI : September 2007
- SDI Services for the society workshop: November 2007

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Spatial Data Availability

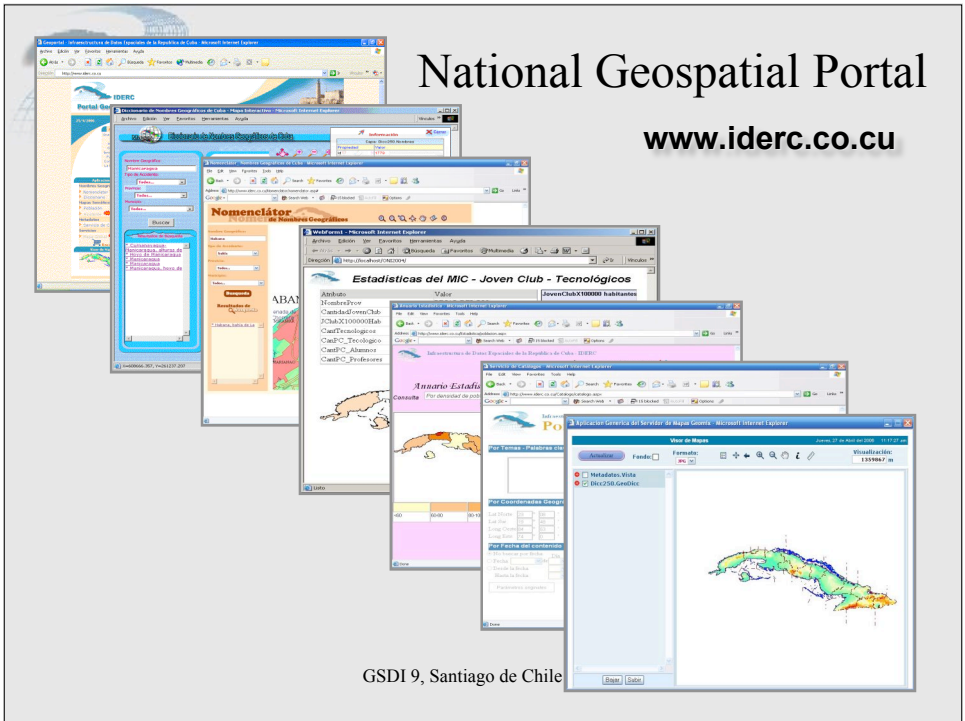
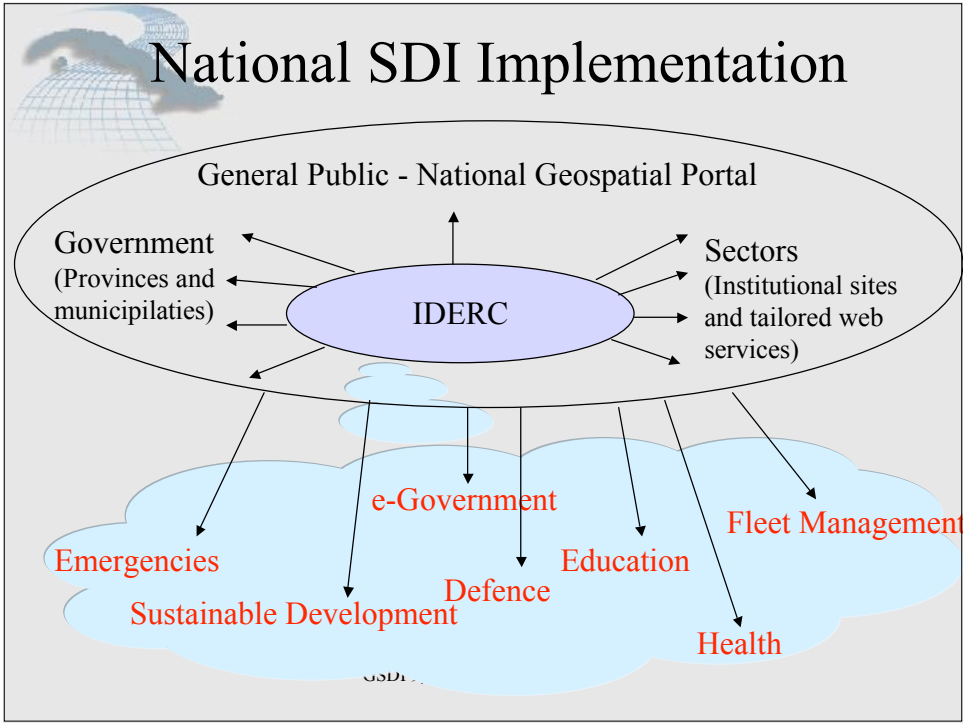
Scales

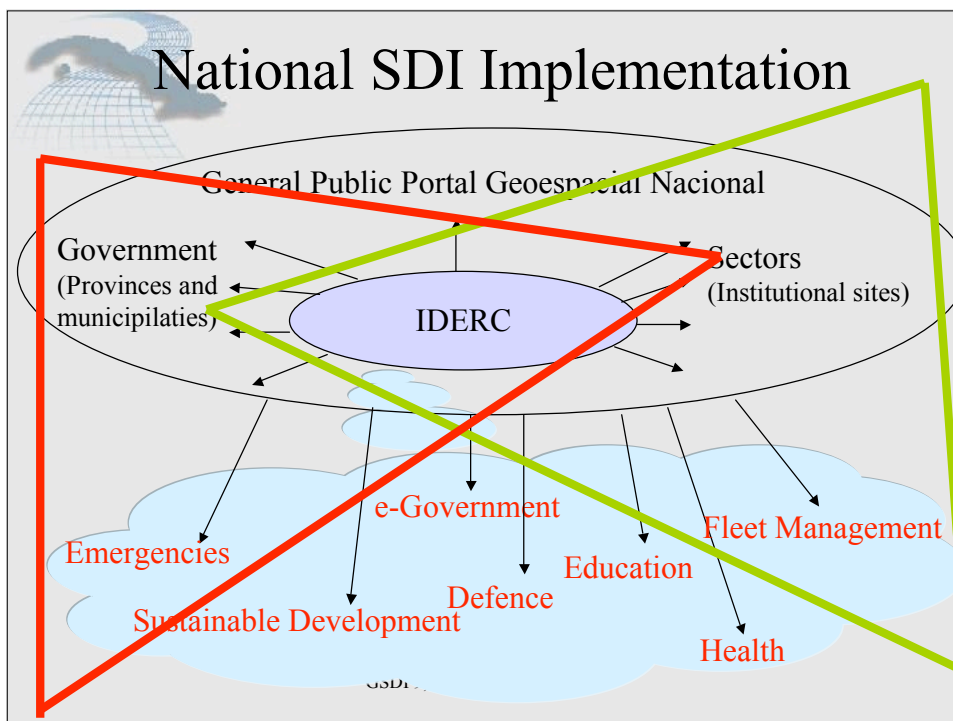
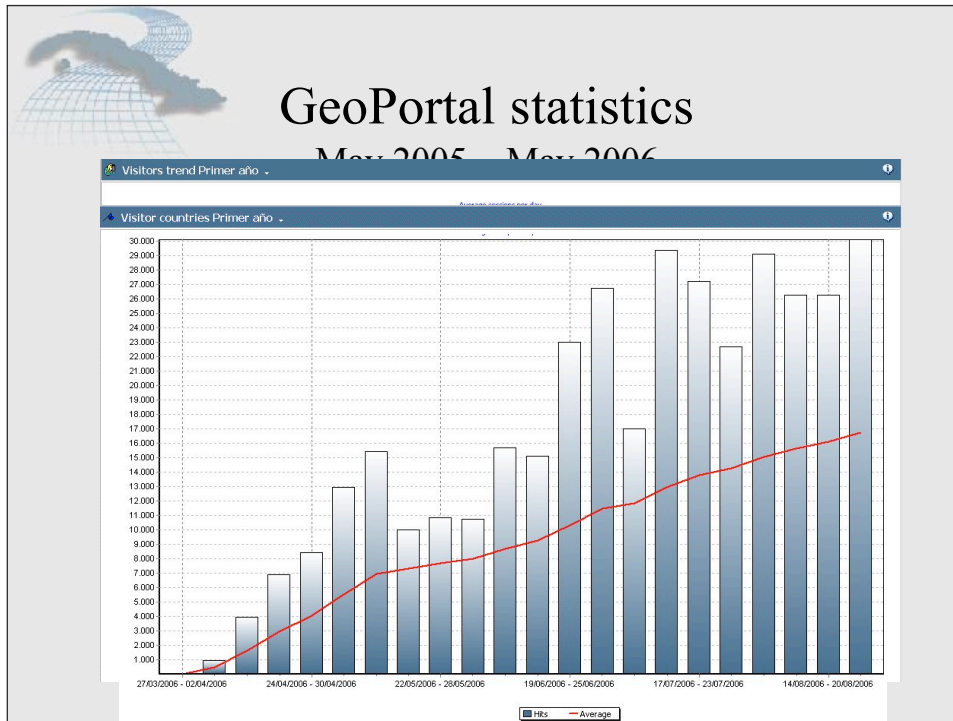
- Topographic Map 1: 250 000 (vectorial)
- Topographic Map 1: 100 000 (vectorial)
- Planimetric Map of Havana city 1: 2 000 (vectorial)
- Special Map on main cities 1: 5000 (vectorial)

Fundamental Data

- Limits
- Hydrography
- DEM
- Transportation
- Geographic Names

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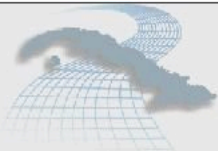




SDI Research and Development

- SDI evaluation and impact measurement
- SDI conceptual issues
- Spatial Semantic
- Searching-Consulting-Analysis (Tocororo)
- Parallelism (Grid)
- Data warehouse and data mining
- Quality of geographic data,
- etc

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Regional Integration

- Cuba is member of PC IDEA from 2001 and has the willingness to be active (e.g. SDI readiness index)
- Cuba is coordinating a four years based international project to evaluate and strength the SDIs to sustainable development to the Latin-American and the Caribbean Countries, with other 7 countries (Argentina, Brazil, Chile, Colombia, Mexico, Spain, Uruguay)

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Conclusions

- CIDERC (5535 Government Agreement) will be a key factor to the SDI development in the future
- Capacity building is a necessary activity and should be kept and increased in the next years
- IDERC implementations intend to be user-driven oriented, undertaking the priorities and emergent national scenarios (“pulled” by the demand rather than “push” by technology and data)
- Research is aimed to strength the self-sustainability of the SDI initiative
- CIDERC has the willingness to contribute to the SDI-related integration efforts in the region

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Thank you for your attention.

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