



Ministry of Environment and Natural Resources

Guatemala

**Central American Regional
Visualization and Monitoring System:
SERVIR**
(Central American Uses of Remote Sensing)

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**United Nations/Austria/
European Space Agency Symposium
12-15 September 2006**

Backgrounds

- Agreement in Climate Change between USA and Central American Countries
- Objective: to Support the Improvements of National GHG Inventory and National Communication on Climate Change
- Steps
 - Define focal point in Central American and USA
CA Ministries of Environment Climate Change Unit
EPA and NASA (USA)
 - Identify main uncertainties in GHG inventories
Land Use Change and Forestry (LUCF)
Agriculture (Soil)
Waste
 - Other stakeholders
Central American Commission for Environment and Development (CCAD)
University of Colorado (USA)

Main Activities and Operations

- Inventories Templates based on Good Practices Guidelines
 - Key Sources Analysis (KSA)
 - Source by Source Analysis (SBS)
 - Quality Assurance/Quality Control (QA/QC)
 - Institutional Arrangements
 - Archiving
- Software
 - Development of a computer model to address Agriculture and Land Use Change and Forestry Inventory. CAALU (Central American Agriculture and Land Use Model)
- Remote Sensing for Land Use and Agriculture Analysis
- Actual Organization
 - One centralized node in Panamá (CATHALAC)
 - Free access by partners and general public

Overview of Central American Agricultural/Land Use Tool (CAALU)

- Provides interactive guidance on
 - Activity Data Entry
 - Classification of land use/management systems and livestock characterizations,
 - Assignment of emission factors
 - Completing Computations
 - Quality Assurance/Quality Control
- Computations based on the Revised 1996 IPCC National Inventory Guidelines and IPCC Good Practice Guidance Documents (2000 and 2003)
- Three Modules
 - Activity Data
 - Factor Assignments
 - Computational

SERVIR

- Objectives

- Create and distribute visualization from NASA remote sensing and other data via web based end-user application
- Provide decision-maker and scientists, educators, NGO's and general public information to better understanding and addressing the dynamic environment issues in Central America
- Other information (Renewable Energy: Wind and Solar)

- Characteristics

- Based in Panama (CATHALAC)
- Integrated 3D visualization and mapping capabilities
- Web site information open to general public
- Support from National Environment Information in each CA country
- Both in English and Spanish

- Other Sponsors

- World Bank
- CATHALAC

SERVIR - Microsoft Internet Explorer

File Bearbeiten Ansicht Favoriten Extras ?

Zurück Suchen Favoriten

Adresse <http://servir.nasa.cathalac.org/> Wechseln zu Links >>

Google servir Suche 0 blockiert Rechtschreibprüfung Optionen servir

SERVIR

THURS, SEPT. 14, 2006

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NASA Earth Science Applications

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Sistema de Monitoreo y Visualización para Mesoamérica

Su "Tienda de una sola Parada" para obtener datos regionales, Apoyo en Decisiones y Visualizaciones interactivas.

Mesoamerica Hoy, Thursday, Sept. 14, 2006

Ir al Visualizador de imágenes en tiempo real de SERVIR >>
 Visualiza imágenes GOES de un país específico
 Construye tus propias animaciones GOES
 Última imagen GOES

Visualizador de imágenes en Tiempo Real de SERVIR >>
 Visualiza y anima imágenes actuales y del pasado.

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Conectividad de fibra óptica a internet provista por Cable & Wireless

Videos de SERVIR

Pulsa sobre la imagen para ver el video.

[First 21 Named Storms of 2005 Atlantic Hurricane Season](#)

[Una visión del futuro \(18.2 MB\)](#)

[Video Tierra ceniza... o bosques saludables](#)


[Time Lapse of Fires \(17.89 MB\)](#)

[Fade from Day to Night \(20 KB\)](#)


<http://servir.nasa.cathalac.org/>

SWERA Multi-Lingual: SWERA Root Page - Microsoft Internet Explorer

Adresse <http://swera.unep.net/swera/>



Solar and Wind Energy Resource Assessment

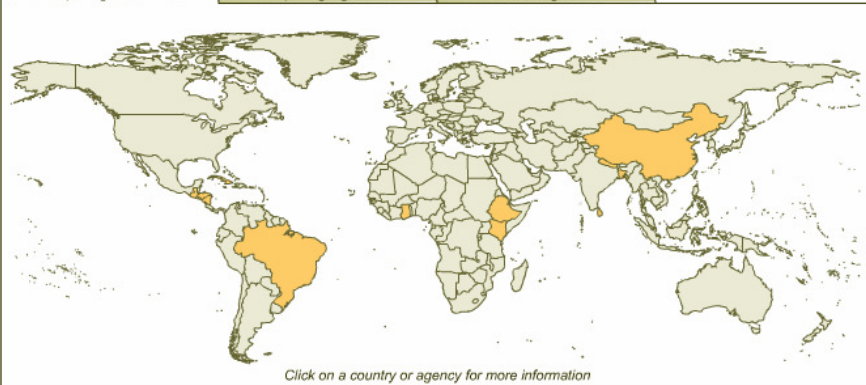


Welcome To SWERA

The **SWERA** website provides information about solar and wind energy resources in thirteen partner countries around the world. Products held in the SWERA archive include data on wind and solar energy potential, plus detailed country energy analyses. To learn more about renewable energy in each country or the partner agencies, click on the map or the menu. SWERA is a UNEP (United Nations Environment Programme) project with co-financing from GEF. The goal is to provide solar and wind energy assessments to potential investors and the public to promote more effective use of alternative energy resources.

Now with the completion of the successful pilot project, SWERA is being expanded into a full Programme offering resource information and mapping tools across the spectrum of renewable energy sources. All information and tools can be found in one on-line location with a common user interface... [click here](#) for more details.

Participating Countries **Participating Agencies** **Associated Agencies**



Click on a country or agency for more information

Announcements

SWERA Expands to Full Programme in 2006 General: 3-03-06

With the completion of the successful pilot project, SWERA is being expanded into a full Programme...

2-12-05

Internet

<http://swera.unep.net/swera/>

Outcomes

- A way to calculate a quick GHG emission in order to identify new key sources (if any) for years to come
- Identify key actors
- Develop institutional arrangements (strategic alliances)
- Train your expert in GHG inventory and Good Practices Guidelines
- Uses of Remote Sensing for analysis of the dynamics of Land Use Change and Forestry
- Uses of Remote sensing uses for disasters information
- Fires and smokes spots over Mesoamerica



THANKS FOR YOUR ATTENTION