

**1. Project Title** : Meghalaya Natural Resources Information System (MeNRIS)

**2. Scope and Objectives:**

This is an in-house development of NESAC. Meghalaya Natural Resource Information System (MeNRIS) is a Single Window Repository of all the natural resources information developed under web environment. Like ISRO, NNRMS (NRR) programme, the goal of this repository is to enable a consistent repository of spatial information, reduce duplication of effort among users & agencies, improve quality and reduce costs related to spatial information, to make spatial data more accessible to the users, to increase the benefits of using available data, and to establish key partnerships amongst agencies from the central government, state government, academia and the private sector to increase data usability. MeNRIS will enable the availability of block and district level inventory of natural resources information of Meghalaya in spatial formats as per NNRMS standard and with proper linkages to other socio-economic data within a single window environment to enable customized retrieval and analysis of data for specific needs.

**3. Centre/Unit** : North Eastern Space applications Centre (NESAC)

**4. Funding Agency** : NESAC

**5. Study Area** : Meghalaya

**6. Methodology:** A geo portal has been designed and developed under web environment. A brief write up mentioning scope & objectives, methodology, results etc. of all the projects have been incorporated into the portal for user reference. Open source GIS has been used for the development of WebGIS part of MeNRIS. It enables user to view and query the GIS layers without using any GIS software.

**7. Data Used** : vector layers (shapefiles) of respective projects

**8. Status of the Project** : version 1 released and work is under progress for version 2 with added functionalities.

**9. Results:**

MeNRIS has been released in the form of a DVD by the Chief Secretary of Meghalaya in an auspicious occasion on 17th August, 2010. NESAC is in the process of developing an improved version of MeNRIS which will include a set of geo-processing tools such as map query, SQL spatial query based on AOI, distance and area measurement tools, pie chart generation etc.

**Meghalaya Natural Resources Information System**  
 NORTH EASTERN SPACE APPLICATIONS CENTRE, GOVERNMENT OF INDIA,  
 DEPARTMENT OF SPACE, UMIAM, MEGHALAYA

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**SHILLONG**

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Meghalaya Natural Resources Information System (MeNRIS) is an in-house development project of NESAC. It is a Single Window Repository of all the natural resources information developed under web environment. Like ISRO NNRMS (NRR) programme, the goal of this information system is to enable a consistent repository of spatial information, reduce duplication of effort among users & agencies, improve quality and reduce costs related to spatial information, to make spatial data more accessible to the users, to increase the benefits of using available data, and to establish key partnerships amongst agencies from the central government, state government, academia and the private sector to increase data usability.

For more detail, contact:  
 Director,  
 North Eastern Space

Meghalaya Tourist Spots

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Fig.1 Home page of MeNRIS

**10. Utilization/Success Stories:**

Government of Meghalaya appreciated NESAC for taking up such initiative towards the development of user oriented information dissemination system.