

SEEK - Bug #1724

ENM II - Prepare Spatial Layers for GARP layer input

10/22/2004 08:51 AM - Dan Higgins

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|------------------------|-------------|------------------------|------------|
| Status: | In Progress | Start date: | 10/22/2004 |
| Priority: | Normal | Due date: | |
| Assignee: | Dan Higgins | % Done: | 0% |
| Category: | beam | Estimated time: | 0.00 hour |
| Target version: | Unspecified | Spent time: | 0.00 hour |
| Bugzilla-Id: | 1724 | | |

Description

GARP calculation requires a set spatial layers in a custom format. {Each layer is a custom format binary raster scaled to a byte value per grid point (**.raw files**). **The layer set is described by an XML file (.dxi)**. Layer input data comes in several formats and types. Types: climate data (e.g rainfall, average temp), geographic (elevation, slope), mask (for limiting region considered)

In general, there are several steps (actors) that must be applied after the initial data is located

- 1) custom format processing converting info to a standard GIS lat/long ascii raster. This may be different for each data source
- 2) regriding to convert to the same grid size (number of points and spacing) as other layers.
- 3) rescaling values of grid data points to byte range with missing data marked appropriately
- 4) Preparation of mask layer
- 5) Creation of summary *.dxi layer description.

Related issues:

| | | |
|--|--------------------|-------------------|
| Blocks SEEK - Bug #1736: ENM IIG - Projection Tool | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1735: ENM IIK - Assemble entire GARP layer input workflow | In Progress | 10/22/2004 |
| Blocks SEEK - Bug #1734: ENM IIJ - Assemble Layer List into GARP *.dxi summary | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1733: ENM IIH - Create Mask Layer for GARP | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1732: ENM IIF - Clipping Actor | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1731: ENM IIE - Rescaling of layer grid information | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1730: ENM IID - Regridding (Resampling) of layer grid info... | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1729: ENM IIC3 - Initial Preparation of Hydro1K data | In Progress | 10/22/2004 |
| Blocks SEEK - Bug #1728: ENM IIC2 - Initial Preparation of IPCC Climate Chang... | In Progress | 10/22/2004 |
| Blocks SEEK - Bug #1727: ENM IIC1 - Initial Preparation of IPCC Current Clima... | Resolved | 10/22/2004 |
| Blocked by SEEK - Bug #1720: Create an example Kepler workflow for ENM/GARP c... | Resolved | 10/21/2004 |
| Blocks SEEK - Bug #1726: ENM IIB - Modify EML Datasource actor to return SRB ... | Resolved | 10/22/2004 |
| Blocks SEEK - Bug #1725: ENM IIA - Prepare metadata for all input layers | New | 10/22/2004 |
| Blocks SEEK - Bug #1744: ENM IIL - Convex Hull Actor | Resolved | 10/22/2004 |

History

#1 - 03/27/2013 02:18 PM - Redmine Admin

Original Bugzilla ID was 1724