Environment and organisms - Task #209

Produce global slope layer

04/14/2011 02:13 PM - Jim Regetz

Status:	New	**Start date:**	04/14/2011
Priority:	High	**Due date:**	05/31/2011
Assignee:	Rick Reeves	**% Done:**	0%
Category:	Terrain	**Estimated time:**	0.00 hour
Target version:			
Activity type:	Coding/analysis		

Description

This will be based on the global DEM, but with processing possibly done at up to 90m resolution before aggregating to produce the globally consistent 1km product. Ming reports that a 90m slope layer has been completed for the Oregon case study, so presumably at least some form of the procedure has already been worked out.

Related issues:

Blocked by Task #207: Produce global fused DEM layer	**In Progress**	**04/11/2011**	**05/31/2011**

History

#1 - 04/14/2011 02:16 PM - Jim Regetz

- Priority changed from Normal to High

#2 - 04/14/2011 02:30 PM - Jim Regetz

- Due date set to 05/31/2011

#3 - 04/29/2011 11:04 AM - Jim Regetz

Take a look at the gdaldem command-line utility. It includes a *slope* mode that will "generate a slope map from any GDAL-supported elevation raster". This available in our gdal installation on eos (and easily installable elsewhere).