

Environment and organisms - Task #393

Identify Focal Regions

04/24/2012 01:14 PM - Adam Wilson

Status:	New	Start date:	04/24/2012
Priority:	Normal	Due date:	
Assignee:	Adam Wilson	% Done:	0%
Category:	Climate	Estimated time:	0.00 hour
Target version:			
Activity type:	Science		

Description

We need to identify the small number (3-5?) of focal regions that we will use for further validation after we finish with Oregon. These regions should coarsely represent the variety of global climates and include areas that we expect to be challenging (frequent clouds, topographic heterogeneity). Furthermore, we may want to select regions with unusually *high* station density so we can easily do cross validation and thin to explore the implications of fewer stations (while still having plenty of data for validation).

In previous calls we considered:

1. Oregon (currently working on this)
2. Costa Rica
3. South Africa (Adam has the complete South African weather station record)
4. Norway (?)

History

#1 - 04/27/2012 11:05 AM - Rob Guralnick

Natalie is ready to help MODIS data assembly once we have decided this. Can we plan to talk about this on the Tuesday call?

#2 - 05/01/2012 01:13 PM - Adam Wilson

The folks at NASA Ames suggested that scaling up to the globe will much easier to do if we process the data using the MODIS tiles (rather than arbitrary polygons like state boundaries). They are used to doing this and have much code to draw on that works on the tiles. So for the case study regions we may want to think about tiles rather than countries...

#3 - 05/01/2012 01:20 PM - Rob Guralnick

Do we want to look at a mediterranean-type climate? Guess western part of South Africa qualifies. Or interior temperate mountain climates, perhaps? Where else?

#4 - 05/02/2012 11:57 AM - Adam Wilson

- File *testregions2.pdf* added

We are currently proposing the following regions (and MODIS tiles):

Oregon: H08V04, H09V04, H08V05, H09V05
Venezuela: H10V07, H10V08, H11V7, H11V08, H12V07, H12V08
Norway: H18V02, H18V03, H19V02, H19V03
East Africa: H20V08, H21V08, H22V08, H20V09, H21V09, H22V09, H21V10
South Africa: H19V11, H20V11, H19V12, H20V12
Queensland: H31V10, H31V10, H32V10, H30V11, H31V11

Files

testregions2.pdf	1.2 MB	05/02/2012	Adam Wilson
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