

Environment and organisms - Task #406

OR-GAM predictions-model assessment over 365 dates, year 2010

05/01/2012 01:56 PM - Benoit Parmentier

Status:	New	Start date:	05/01/2012
Priority:	Normal	Due date:	
Assignee:	Benoit Parmentier	% Done:	0%
Category:		Estimated time:	40.00 hours
Target version:			
Activity type:			
Description			
Models have so far been assessed on 10 dates spread over the year for the Oregon study area. This task provides an assessment of model performances over the year 210 to detect monthly and seasonal variations in RMSEs.			

History

#1 - 05/08/2012 04:31 PM - Benoit Parmentier

RMSE were calculated per month over the year 2010. Results show that contrary to my expectation RMSE are higher in Summer and Fall. For instance, mod6 has RMSEs ranging between 2.65 and 2.76 for month 8 to 10 compared to RMSE values between 2.25 and 2.55 from month 1 to month 3. Figures will be added later on.

Note that gam model 6 is:

$tmax \sim s(\text{lat}, \text{lon}) + s(\text{ELEV_SRTM}) + s(\text{Northness}, \text{Eastness}) + s(\text{DISTOC}) + s(\text{LST}, \text{LC1})$