

Environment and organisms - Task #419

Assessment of results in the context of the literature: Literature review and accuracy

05/25/2012 09:05 AM - Benoit Parmentier

Status:	In Progress	Start date:	05/25/2012
Priority:	Normal	Due date:	
Assignee:	Benoit Parmentier	% Done:	90%
Category:	Climate	Estimated time:	70.00 hours
Target version:			
Activity type:	Other		
Description			
Documenting the new products will necessitate assembling a list of references on climate interpolation to place the results in the context of existing works. As part of the compilation, a summary table of existing climate products and their accuracies will be produced. This list and table will be used for the upcoming papers.			

History

#1 - 06/22/2012 10:22 AM - Benoit Parmentier

- Status changed from New to In Progress

- Estimated time changed from 40.00 h to 70.00 h

I got the basic structure of the paper with accuracy section roughly done. The aim is to try to share the first draft next week along with some method slides.

#2 - 07/11/2012 05:26 PM - Benoit Parmentier

- % Done changed from 0 to 90

#3 - 07/24/2012 08:24 AM - Benoit Parmentier

- File Interpolation_review_part1_07222012.pdf added

- File Interpolation_review_part2_07222012.pdf added

- File Interpolation_review_part3_07222012.pdf added

- File Literature_review_Interpolation_bparmentier_07222012.docx added

This first draft includes three pdf presentations that contain additional notes and comments. I am still working on the references and the summary table. Other updates will come later.

#4 - 08/24/2012 01:40 PM - Adam Wilson

- File Literature_review_Interpolation_bparmentier_07222012_amw.docx added

I just read through your literature review, great job! I think there is definitely a place in the literature for a summary/review like this. I've attached my comments... If you want to pursue publishing it (and I hope you do), here a few additional points that I think we'll need to work on: There should be a section on satellite observations. While the overall focus should be on interpolation methods (as you have done), I think we need a least a short section pointing to attempts to incorporate satellite data in various ways... I've included a short list of potential papers to include. Essentially I think we need to mention the strengths and weaknesses of existing methods and point to the opportunity for 'fusing' it with station data to improve predictions.

I think it would be strengthened by expanding and shaping the conclusion section to be more of a 'suggested best practices' rather than an overview of what others have done. i.e. If there is no single best method, what is your suggestion for completing a project like this? Pick some subset of models, compare them in different places, and choose one best? Or do a family of models and choose the best locally? Choose the best using a suite of validation metrics (which ones?)? I think if you're explicit here about what you think we should do given what you've learned, it will be a much more powerful/useful paper and would set up the temp/precip methodology paper(s) nicely (we could reference this one when describing our methods).

Files

Interpolation_review_part1_07222012.pdf	1.02 MB	07/24/2012	Benoit Parmentier
Interpolation_review_part2_07222012.pdf	1.63 MB	07/24/2012	Benoit Parmentier
Interpolation_review_part3_07222012.pdf	1.49 MB	07/24/2012	Benoit Parmentier
Literature_review_Interpolation_bparmentier_07222012.docx	418 KB	07/24/2012	Benoit Parmentier

