

The WG meeting will have flexibility in the agenda below. But, our short-term objectives to achieve by the end of the first WG meeting are to generate concrete plans for grant proposal submission and manuscript submission. One target grant panel is the NSF Integrative and Organismal Systems panel, which has a pre-proposal deadline of January 2015, but other funding opportunities should be discussed by the WG. Thus, by the end of the meeting we must have agreement on (i) all equations for a model good enough to be generate sample results for a proposal and potentially a manuscript and (ii) well-defined plans on how the model will be parameterized (proposal reviewers always want to see this). Point (ii) involves addressing some of the hard questions about optimization.

## **Tuesday 14<sup>th</sup> Project goals, work to date, and climate change context**

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*Outcome:* All participants to have good understanding of the short- and long-term workshop objectives, work on the model done to date, and the climate change context.

8:00	Breakfast – informal introductions and conversations
9:00-12:00	<i>Lou Gross</i> – welcome to NIMBioS (20 minutes)  <i>Introductions</i> – 2-3 minutes per person (20 minutes) + quick review of agenda for first two days.  <i>Sabrina Russo</i> – Presentation: Project goals and motivation and work accomplished to date (~1 hour)  Coffee break  <i>General discussion</i> – Are there project goals or areas in the work accomplished to date that require extensive revision? (30-60 minutes)
12:00 – 1:30	Lunch
1:30-4:30	<i>Danielle Way</i> – Presentation: Utility of models to address climate change questions (~1 hour) Coffee break <i>General discussion</i> – Identification of possible climate change and other hypotheses to address with model (30-60 minutes)
4:30-5:00	Summary of days' decisions.
5:30	Reception (joint w/Hierarchy and Leadership working group)

### Wednesday 15<sup>th</sup> Critical review of work to date

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*Outcome:* Based on Tuesday's discussions, agree on prioritized short-list of important and feasible project improvements for break-out group work to be done during WG

8:00	Breakfast – informal discussions
9:00-12:00	<i>Group Discussions</i> – Project goals, limitations of current model and areas for improvement, research hypotheses Coffee break
12:00-1:15	Lunch
1:15-2:00	<i>Break-out groups</i> – Assignment/self-organization into break-out groups to work on solving the project improvements
2:00-4:30	<i>Break-out groups</i> – Break-out group work
4:30-5:00	Short summary from each break-out group of progress with needs/plan for day 3's work.

### Thursday 16<sup>th</sup> Break-out group work

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8:00	Breakfast
Mid-morning	Break-out group reports, followed by plenary discussion of large group (immediately before lunch).
12:00	Lunch
Mid-afternoon	Break-out group reports, followed by pre-dinner plenary large-group discussion and planning for final day.

### Friday 17<sup>th</sup>

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*Outcome:* Decisions about structure of prototype model and identification of work to be done following WG

8:00	Breakfast
9:00-12:00	<u>Summary and critical review</u> of current model components (Leaders will have been identified previous day)
12:00-1:00	Lunch
Afternoon	<u>Decisions on prototype model.</u> Organization of this session to be determined by the amount of change required. Ideally as much of this work will be plenary, but a couple of break-outs may be necessary. Plan for future work/assigned tasks to WG members
3:00-5:00	Plan for future work/assigned tasks to WG members