**June 14**

* **9:00-12:00**: Lecture on how to think about the various problems we face in biocontrol and the appropriate models that can be developed in R to solve them, including dynamic state variable models (Bernie Roitberg).
* **12:00-13:00**: 1-hour lunch break.
* **13:00-15:00**: Short introduction of R (*e.g.*, to write functions, etc.). (Eric Wajnberg).
* **15:00-15:30**: Coffee break.
* **15:30-18:00**: Examples of specific models. It might be nice here to invite participants to “practice” in R, by asking then to code a specific (simple) example. Maybe offering them to pick one example in a list of possible simple questions that we can prepare in advance? (Supervised by Bernie, Eric, Paul, George).
* **18:00**: Evening guest lecture. Who? See below.
* Dinner afterwards.

**June 15**

* **9:00-12:00**: Lecture basic matrix models or differential equation models (Lia Hemerik).
* **12:00-13:00**: 1-hour lunch break.
* **13:00-16:00**: Maybe some working examples and exercises around matrix models or differential equation models (Georges, Bernie, Eric, Lia).
* **16:00-16:30**: Coffee break.
* **16:30-18:00**: Second lecture, on an introduction to SDP models for insect life histories (Marc Mangel).
* A dinner in town can be place here, leaving the IIAS at 19, dinner at ~20.

**June 16**

* **9:00-12:00**: Lecture on Lotka-Volterra and/or Nicholson-Bailey approaches (George Heimpel).
* **12:00-13:00**: 1-hour lunch break.
* **13:00-16:00**: Maybe some working examples and exercises around the Lotka-Volterra and/or Nicholson-Bailey approaches (Georges, Bernie, Eric, Lia).
* **16:00-16:30**: Coffee break.
* **16:30-18:00**: First lecture, on an introduction to SDP models for insect life histories (Marc Mangel).
* **18:00**: Evening guest lecture. Who? See below.
* Dinner afterwards.

**June 17**

June 17 is a Friday and we’ll need to finish by 1 pm or so. We just need to plan something in the slot 9:00-12:00 and then the 1-hour lunch time 12:00-13:00

Eric proposes:

* An overall introductory course on likelihood theory, including estimating functional response parameters, including implementing this in R, etc. (this is the preferred option for Asaf Sadeh).
* Something is missing in this program, we think: Monte Carlo simulations. Eric can instead give an introductory course on that, including implementing this in R, etc.
* What else?
* As Tamar suggested, we can also have a third lecture 12:00-130::, then lunch and finish by 14:00. It’s mid-June, so Shabbat starts late.

List of potential talks for the guess lectures in the evening (we need 3, or maybe we can place more than one each day):

* Lia Hemerik or differential equation models.
* Oren Kolodny (<https://www.bio.huji.ac.il/en/content/kolodny-oren>). To be contacted?
* Tobin Northfield (<http://tfrec.cahnrs.wsu.edu/northfield/publications/>). To be contacted?
* Jay Rosenheim? To be contacted?
* Asaf Sadeh on using ODE dynamics.
* Bernie Roitberg; Certainly Bernie can have examples on SDP models, etc.
* Eric Wajnberg: 20 talk on a SDP model he published years ago.