Introduction to SDMs:
Theory and practice in R

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Sapienza University, Roma
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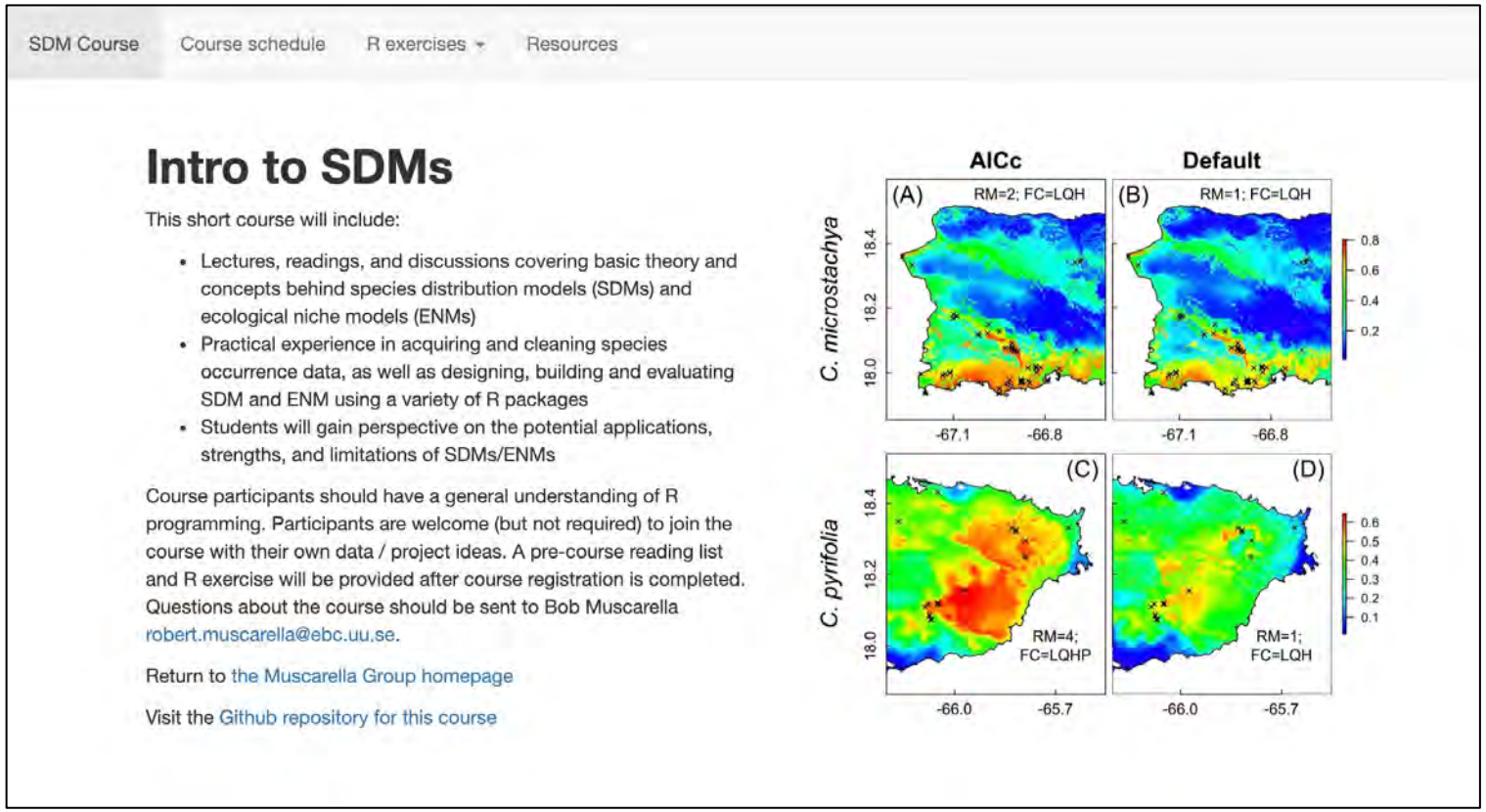

Course website: https://bobmuscarella.github.io/SDM-course/index.html

Who am I?

- Associate professor in Plant Ecology & Evolution at Uppsala University
- Tropical forest ecologist, (functional) diversity, forest dynamics, natural and anthropogenic disturbance
- Interest in applying SDMs to understand broader context of diversity patterns, and how species respond to environmental conditions
- Interest in methodological development of SDMs (ENMeval R package)

Course overview

- 3 day short course with emphasis on practical exercises
- General understanding of main concepts + hands-on experience
- Use these days as a spring board for continued learning

Like this…

Not like this…

Learning objectives

- Familiar with basic theory, concepts, and terminology of SDMs / ENMs
- Design, build and evaluate SDMs / ENMs in R
- Understand the strengths and limitations of SDMs / ENMs
- Use SDMs/ENMs to describe and predict species distributions in space + time

Introductions (~ 2 min each)

- Name?
- Department?
- Year of studies?
- Research project?
- Prior experience with R and SDMs?
- What do you hope to gain from this course?
- Anything else?


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