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WELCOME!

**Evolutionary Biogeography:
Biodiversity Data from Field to Yield**

**Universidade Federal do Rio Grande do Norte, Natal
2–6 October 2018**

Ana

Matteus

Arthur

Clóvis

Jessica

Filipe

Nathália

Adrián

Moabe

Mariana

Tiago A.

Fernanda

Paolla

TODAY'S SCHEDULE

Morning:

- 1. Hi from Alex & Alex**
- 2. Individual presentations & expectations**
- 3. Talk by Alex A: *Setting the scene***

Afternoon:

- 4. Talk by Alex Z.: *Biodiversity data & analyses***
- 5. Discussion and definition of own projects**
- 6. Preparation for the next two days**

This is Gothenburg!



And this is us!



Antonelli Lab meeting – Dec 2017



Gothenburg Global Biodiversity Centre, GGBC

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ACTIVITIES RESEARCH ABOUT THE CENTRE CONTACT

University of Gothenburg / Department of Biological and Environmental Sciences / Gothenburg Global Biodiversity Centre, GGBC

Sitemap



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This is the Gothenburg Global Biodiversity Centre

From slime moulds to whale sharks and tiny molecules to tropical ecosystems, our Earth is home to a fascinating array of life that is collectively known as biodiversity. It is vast and exciting, yet disappearing rapidly, so we need to act now to explore and understand its intricacies.

To reach these goals, the Gothenburg Global Biodiversity Centre aims to link science and society around biodiversity and enhance and accelerate biodiversity research through four pillars: exploration, education, research and preservation.

The GGBC has a global outlook, extending well beyond the borders of its home base in Sweden. It is a collaborative effort amongst thirteen partner institutions and hosted at Gothenburg University in Gothenburg, Sweden. The centre and its partners bring together scientists and the public to create a greater understanding and appreciation for the natural world around us.

Welcome!



BUT BEFORE WE START!

STAND UP & COMPLETE THESE SENTENCES IN PAIRS
(4 min per question):

- 1. I really love these socks because...**
- 2. If I were to be born as another animal, I would have chosen to be a because**
- 3. The only reason why I would not want to have Brazilian *pão de queijo* for breakfast is if.....**

Individual presentations (in pairs, c. 4 min each):

- 1. Your colleague's name, affiliation, background**
- 2. What is her/his research about?**
- 3. What does s/he expect to get out of this course?**

Article discussions (c. 4 groups, c. 25 min):

- 1. Choose one of the papers sent out for discussion**
- 2. Find out and discuss:**
 - a. What were the main questions addressed?**
 - b. How did the authors tackle them?**
 - c. What aspects could be added/done differently?**

Papers to choose from:

- a) Meyer et al. 2016: Multidimensional biases, gaps and uncertainties in global plant occurrence information. Ecology Letters (attached)**
- b) Zizka et al. 2017: Diversity, distribution and preliminary conservation status of the flora of Burkina Faso. Magnolia Press.**
- c) Antonelli et al. 2018: Amazonia is the primary source of Neotropical biodiversity. PNAS**
- d) Edler et al.: (2017) Infomap Bioregions: Interactive mapping of biogeographical regions from species distributions. Systematic Biology 66(2):197–204**
- e) Antonelli (2017) Comparative biogeography, big data, and common myths. Scientia Danica. Series B, Biologica, vol. 6.**
- f) Silvestro et al.(2016) Fossil biogeography: a new model to infer dispersal, extinction and sampling from palaeontological data. Philosophical Transactions of the Royal Society B 371:1691**
- g) Price et al (2019) Big data little help in megafauna mysteries. Nature**