Virtual Ecology Portal

Computational resources for learning Ecology

"Essentially all models are wrong, but some are usefull" *George Box*

"Theory without data is fantasy, but data without theory is caos" *Lawler,E. 1971*

"A measure of the usefulness of a theory is its ability to fail in informative ways." *Rosindell et al. 2011*

Welcome

This wiki is a collaborative portal for the development and use of computational resources for teaching ecology.

Here you can find:

- Didactic sequences
- The EcoVirtual R package for teaching ecology
- Guidelines for using other computing resources
- *Links* for more study material

How to participate

Use of material

- All material on this site is free to use and reproduce, as long as its authorship is acknowledged.
- The scripts are independent and can be combined in different didactic sequences.
- We would appreciate if you let us know how you use EcoVirtual material.

_Code Repository The code for both packages, EcoVirtual

and EcoVirtualPlugin, are in the github repository. To clone, contribute or indicate a bug, join the EcoVirt github group https://github.com/ecovirt. </WRAP> ==== Collaborate==== * Send criticisms, questions and suggestions by email. * Report issues or request improvements to the EcoVirtual package at your repository * If you want to participate as a script or package author, please contact us.

> ### Problems with math expressions
>
> If you have problems viewing mathematical expressions and symbols on this wiki, look for a plugin or extension that has ASCIIMath in the name for your browser. In **Chrome** the extension is named *MathML-2-CSS*. Firefox recognizes formulas by default, other browsers have not been tested.

===== Courses that use EcoVirtual ======= This list includes only brazilian courses that the teacher told us is using our portal. If you are using, please send us a message and we will be happy to include your course on this list. ===Graduation=== * Ecology of plant populations and communities, USP * Ecologia Virtual, USP ===Graduate=== * Community Ecology, USP * Population ecology, USP * Summer School on Mathematical Biology, ICTP-SAIFR * Community Ecology, Unicamp * Theoretical Ecology, UFRN * Population Ecology, UFAM - INPA ===== Responsible ===== **Alexandre Adalardo de Oliveira**, <adalardo@usp.br > Institute of Biosciences/ Ecology - USP LabTrop

Paulo Inácio Prado, prado@ib.usp.br Institute of Biosciences/ Ecology - USP Laboratory of Theoretical Ecology ===== Collaborators ===== * André Chalom, USP * Melina Leite, USP * Marcel Vaz, USP * Renato Coutinho, UNESP ===== To learn more ===== * Our motivation statement. * Lecture on our concept of math literacy: * Video * Slides

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