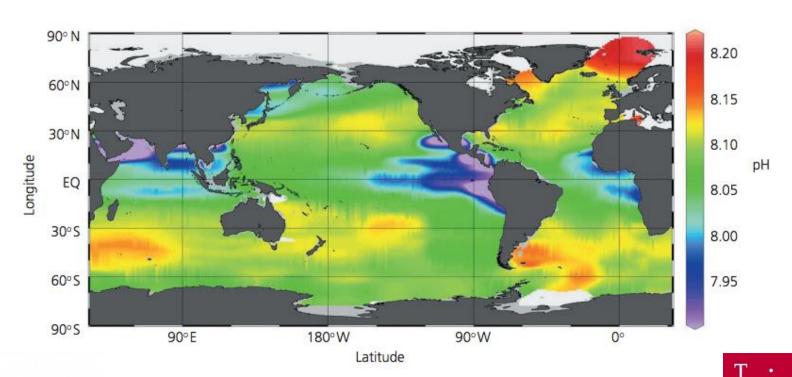
Earth System modeling and geospatial information

Alvaro Montenegro Geography – OSU





FAPESP Week
Columbus, March 31, 2016

Columbus Variable STATE
UNIVERSITY

Climate chang parameter rar

Tânia Marcia Costa a Alvaro Montenegro -



na at pertinent emperature and



Uca victoriana

Image:Ricardo Samelo

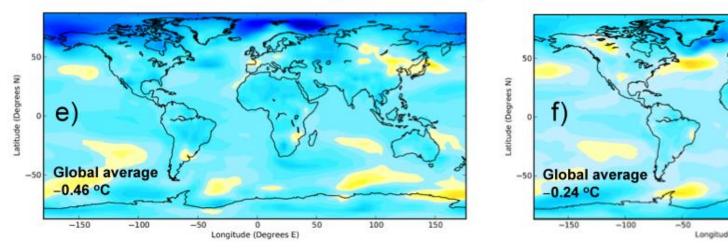
Afforestation with the Canadian Earth System Model

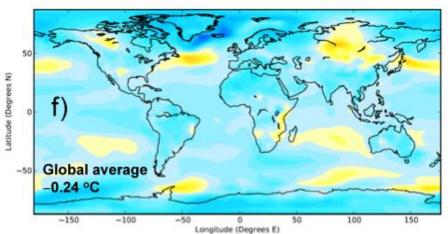
Results

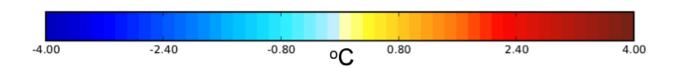
100% afforestation

50% afforestation

Biogeochemical component of the temperature change







Reproductive pattern comparison of *Uca thayeri* Rathbun, 1900 and *U. uruguayensis* Nobili, 1901 (Crustacea, Decapoda, Ocypodidae)

Tânia Marcia Costa^{1*}, Stella Maris Januário Silva² and Maria Lucia Negreiros-Fransozo²

¹UNESP; Campus do Litoral Paulista; Unidade de São Vicente; Praça Infante Dom Henrique, s/n; costatm@csv.unesp.br; 11300-900; São Vicente - SP - Brasil. ²Departamento de Zoologia; IBB/UNESP, s/n; 18618-000; Botucatu - SP - Brasil

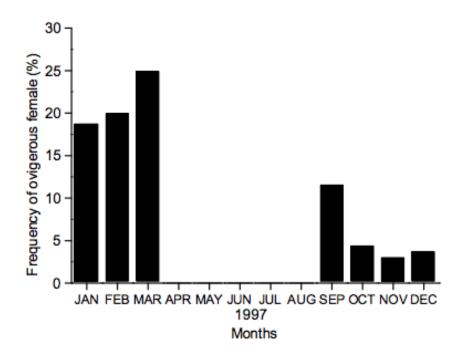


Figure 3 - Uca thayeri Rathbun, 1900. Temporal variation of the frequency of ovigerous females.



Aquecimento global e acidificação oceânica: efeitos da temperatura, salinidade e dióxido de carbono no desenvolvimento larval do caranguejo intertidal *Eriphia gonagra*

Eduardo Bolla's PhD

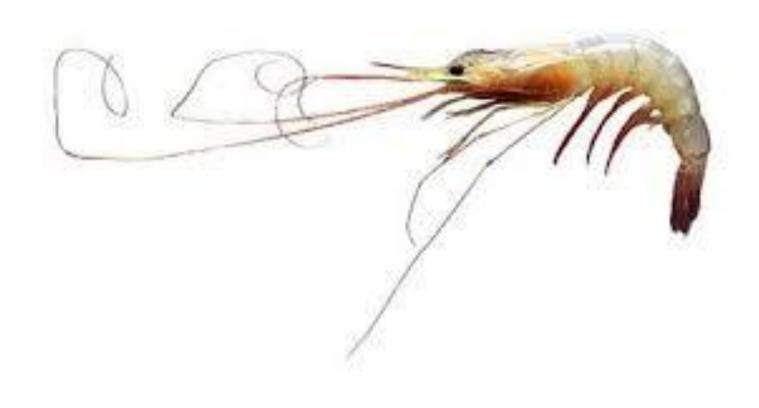


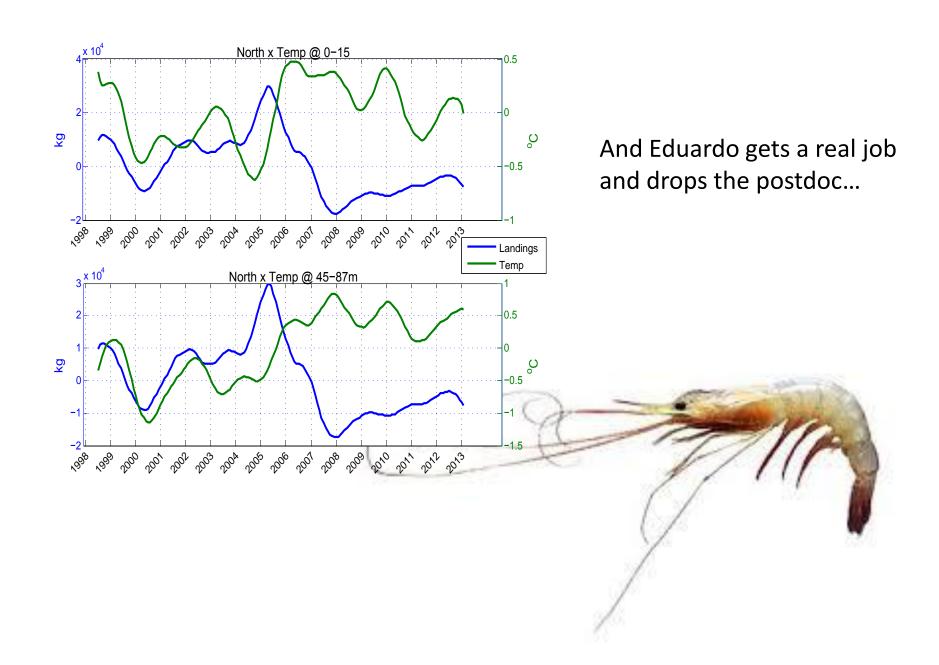
Four year visiting professor position between 2013-2016 at Unesp S. Vicente



Climate change and fisheries: projections for the exploitable stocks of the shrimps Xiphopenaeus kroyeri and Pleoticus muelleri for São Paulo's northern coast

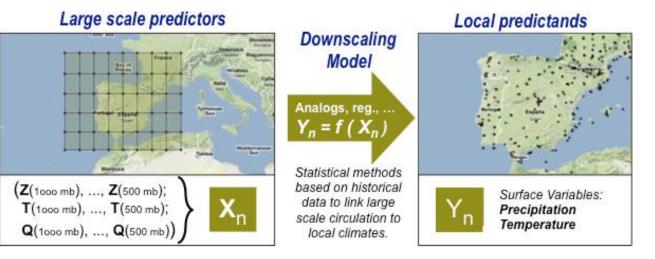
Eduardo Bola's 2014 postdoc project in parallel to OSU-FAPESP's mobility grant





Tânia and I regrouped and developed a new project with components that pushes both of us into areas we had been interested in but were out of our comfort zones..





The FAPESP-OSU grants have:

- Strengthened the links between Unesp and OSU
 - Unesp PhD student coming to OSU on a sandwich fellowship in 2017
 - OSU graduate student (maybe from Brazil) working on the downscaling going to Brazil in 2017-18

 Provided me with an important lesson in how to develop productive, non-orthodox collaborations with great potential for generating results with both scientific and societal significance.