The energetic limits of living systems

In this talk Diego Barneche will introduce central concepts of ecological unification, integrating ecological processes from individuals to ecosystems. He will present simple and elegant mechanisms to explain complex ecological phenomena across scales of biological organization.

Professor visitante Dr. Diego Barneche Rosado, University of Exeter, UK.

Diego completed his PhD in the Quantitative Ecology & Evolution Group at Macquarie University in 2015. He is currently a Lecturer in Marine Ecology at the University of Exeter in the UK. Diego is passionate about making better use of mathematical, statistical and computational tools to develop predictive ecological theories, models and empirical tests. He is currently interested in explaining mechanistically how individual-level determinants of metabolism as well as life-history traits affect the energy flux and overall productivity of populations, communities and ecosystems across the world’s aquatic ecosystems.

Informações: http://poseco.ufsc.br,