

ANU Seminar

EVOLUTION, ECOLOGY, & GENETICS

RESEARCH SCHOOL OF BIOLOGY

Thursday 26th May 2011, 1pm



Biological invasions: processes and predictions

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Dispersal of organisms to new locations and their subsequent adaptation has been instrumental for creating biodiversity over evolutionary time. Further, longstanding issues in ecology, including understanding species distributions and colonization dynamics, are dependent upon species reaching and persisting in new areas. These core processes underlying biological invasions are of fundamental importance in ecology. Currently, however, there are concerns that the extent of dispersal, mediated through human activity, is unprecedented. Although most non-indigenous species do not cause obvious problems, some species cause immense environmental and economic damages. Thus, the study of species invasions is important from both a pure and applied perspective. I will focus on predictive ecology, presenting approaches and results for forecasting invasions, given inherent uncertainty that arguably occur within all fields in ecology and the environmental sciences. I will examine all stages of the invasion process from introduction, establishment, spread and impact.

For further info please contact:
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**Seminars are held in the Gould Wing Seminar Room, Building 116 Daley Rd, ANU
ALL STAFF AND STUDENTS ARE WELCOME TO ATTEND**