



2009 Honours Projects
Software-Intensive Systems Engineering (SiSE)

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3Worlds - an ecological modeling system

Be part of an exciting international research project

- **The 3Worlds project aims to produce a simulation and modelling software platform for ecology and environmental sciences.**
 - Ecology, Environmental science, Complexity
 - Model-Driven Engineering, Agent-Based Modeling, Machine Learning
 - Distributed and high performance computing
- **3Worlds is a multi-national collaborative project funded by the French National Research Agency.**
 - France (ENS Department of Biology, and many others)
 - Australia (Fenner School of Environment and Society, CECS)
 - Vietnam (French funded Software Engineering center)
- **Jacques Gignoux, the 3Worlds project leader, is on sabbatical at ANU**
 - Keen to engage with ANU students
- **A broad range of Honours topics can be developed in**
 - Agent-based modeling and simulation
 - Model-Driven Engineering
 - Domain Specific Modeling and Languages
 - Code generation
 - Cloud and Grid computing
- **<http://threeworlds.biologie.ens.fr/index.php>**



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