Student Conference on Conservation Science 2015
Workshop Schedule - Monday January 26 to Thursday January 29, 2015

Monday 26 January 2015	***Workshop***	***Presenter***
morning session 9am-12.30pm	Marxan Introduction	Mr Matthew Watts
	Basic R Part 1	Mr Will Morris
	Spatial Conservation Planning	Dr Morena Mills
	Writing Grant Proposals	Prof Hugh Possingham
afternoon session 1.30pm-5pm	Marxan Introduction continues	Mr Matthew Watts
	Basic R Part 2	Mr Will Morris
	Designing Poster Presentations	Dr Arthur Riedel
	Decision science tools for conservation	Prof Hugh Possingham

Tuesday 27 January 2015	***Workshop***	***Presenter***
morning session 9am-12.30pm	Decision Theory	Dr Eve McDonald-Madden
	Designing Poster Presentations	Dr Arthur Riedel
	Introduction to GIS	Dr Hawthorne Beyer
	Spatial Conservation Planning	Dr Morena Mills
afternoon session 1.30pm-5pm	Decision Theory	Dr Eve McDonald-Madden
	Writing Grant Proposals	Prof Hugh Possingham
	Project Prioritisation Protocol	Dr Joseph Bennett
	Creative Conversations about Conservation	Dr Cathy Oke, Dr Ascelin Gordon & Payal Bal

Wednesday 28 January 2015	***Workshop***	***Presenter***
morning session 9am-12.30pm	Marxan Introduction	Mr Matthew Watts
	Basic R Part 1	Mr Will Morris
	Species Distribution Modelling Day 1	Dr Jane Elith
	Project Prioritisation Protocol	Dr Joseph Bennett
afternoon session 1.30pm-5pm	Marxan Introduction continues	Mr Matthew Watts
	Basic R Part 2	Mr Will Morris
	Species Distribution Modelling Day 1	Dr Jane Elith
	Effective Talks and Presentations	Mr David Salt

Thursday 29 January 2015	***Workshop***	***Presenter***
morning session 9am-12.30pm	Species Distribution Modelling Day 2	Dr Jane Elith
	Introduction to GIS	Dr Hawthorne Beyer
	Effective Talks and Presentations	Mr David Salt
	Improving conservation practice with social science insights	Dr Morena Mills
afternoon session 1.30pm-5pm	Species Distribution Modelling Day 2	Dr Jane Elith
	Improving conservation practice with social science insights	Dr Morena Mills
	Working with NGO's	Dr Hedley Grantham
	Smoothing the Marxan flow with R	Mr Matthew Watts

WORKSHOP DETAILS

FULL DAY OR 2 DAY WORKSHOPS:

Marxan Introduction [Mr Matthew Watts, University of Queensland]

– FULL DAY *Monday or Wednesday*

This full day workshop will provide participants with basic knowledge and skills necessary to use Marxan for conservation planning.

Basic R [Mr Will Morris, University of Melbourne]

– FULL DAY *Monday or Wednesday*

This full day workshop will introduce participants to the R software environment and provide some basic training on using R for simple statistical analyses.

Species Distribution Modelling [Dr Jane Elith, University of Melbourne]

– ALL DAY *Wednesday & Thursday*

Species distribution models (SDM) help us to understand and predict the distribution of species, informing both basic and applied biodiversity research. **This 2-full-day SDM workshop** will include a mix of lectures, pracs and demonstrations, and emphasise underlying principles of SDMs, good practice in their application, and how to think about what you want to do vs what your data will allow. The course includes teaching (lectures and pracs) on two specific methods, Maxent and generalised linear models (GLMs).

HALF DAY WORKSHOPS:

Spatial Conservation Planning [Dr Morena Mills, University of Queensland]

– Monday morning

This workshop will introduce the basic concepts and approaches to spatial conservation planning.

Writing Grant Proposals [Prof Hugh Possingham, University of Queensland]

– Monday morning

The workshop will cover some practical advice for writing effective grant proposals for research and conservation projects.

Designing Poster Presentations [Dr Arthur Riedel, University of Queensland]

– Monday afternoon

Useful tips and tricks for designing posters that engage audience attention and leave a lasting positive impression.

Decision Science Tools for Conservation [Prof Hugh Possingham, University of Queensland]

– Monday afternoon

Conservation managers have to make difficult decisions about how they allocate their time and money, whether it be at the scale of a single national park or an entire country. In this workshop we will discuss a variety of ways of formulating conservation problems and solving then using very simple decision science tools: rule–based, scoring, cost-effectiveness, multi-criteria decision analysis etc. Each will be discussed using examples in an interactive format.

Decision Theory [Dr Eve McDonald-Madden, University of Queensland]

– Tuesday morning or afternoon

This workshop will provide participants with an introduction to decision theory and its applications in environmental decision-making.

Introduction to GIS (Geographic Information Systems) [Dr Hawthorne Beyer, University of Queensland]

– *Tuesday morning or Thursday morning*

This half day workshop will introduce participants to the basic concepts in GIS and its potential applications.

Project Prioritisation Protocols [Dr Joseph Bennett & Martina Di Fonzo, University of Queensland]

– *Tuesday afternoon or Wednesday morning*

This workshop will discuss ways of prioritising conservation projects to get the best outcomes within limited budgets

Creative Conversations About Conservation [Dr Cathy Oke - TippingPoint Australia, Dr Ascelin Gordon – RMIT &Payal Bal – University of Queensland]

– *Tuesday afternoon*

This workshop is an opportunity for conference participants to think about conservation science research from a creative perspective through a facilitated open space workshop focusing on the conservation-art interface. Students will be encouraged to think about how an emotional and artistic response to scientific research could more effectively engage the public with conservation issues and encourage behaviour change.

Effective Talks and Presentations [Mr David Salt, Editor, Decision Point Magazine]

– *Wednesday afternoon or Thursday morning*

This workshop will focus on creating and delivering effective oral presentations for scientific/academic conferences.

Working with NGO's [Dr Hedley Grantham, Conservation International]

– *Thursday afternoon*

Workshop participants will be introduced to various approaches in engaging and establishing productive working relationships with NGO's involved in conservation projects.

Improving Conservation Practice with Social Science Insights [Dr Morena Mills, University of Queensland]

– *Thursday morning or afternoon*

Social considerations are critical to ensure conservation decisions are effectively implemented and adequately address impacts of conservation initiatives on people. In this short course we will highlight the contribution of different social science theories to conservation decisions.

Smoothing the Marxan flow with R [Mr Matthew Watts, University of Queensland]

– *Thursday afternoon*

This workshop will be an introduction to new techniques developed for Marxan. Attendance would particularly suit those who have some experience with Marxan and some experience with R.