

VVP Research and Development Forum 2017

Caro Convention Centre, Federation University Australia, Mt Helen Campus, Ballarat
Wednesday 21 June 2017

- | | |
|--------------------------|--|
| 9:30am – 10.00am | Arrival and Morning Tea |
| 10:00am – 10:15am | Welcome to Country (Wathaurung Aboriginal Corporation)
Introductions |
| 10:15am – 10:25am | Most Significant Change Story
<i>Handing down the baton</i> |
| 10:25am – 11:10am | Dr. Adam Miller
<i>Matching genes with future climates</i> |
| 11:10am – 11:55pm | Dr. Michelle Casanova
<i>Current and future risks of cropping in wetlands in Victoria</i> |
| 11:55pm – 12:40pm | Lunch |
| 12:40pm – 12:50pm | Most Significant Change Story
<i>Feeling blue, touching green</i> |
| 12:50pm – 1:35pm | Professor Ian McNiven
<i>New archaeological challenges to the complexity of south west Victorian Aboriginal history</i> |
| 1:35pm – 2:20pm | Dr. Lauren Veale
<i>Restoration of wetlands assisting in the recovery of threatened species</i> |
| 2:20pm – 2:50pm | Afternoon Tea |
| 2:50pm – 3:00pm | Most Significant Change Story
<i>Flowers flowers everywhere</i> |
| 3:00pm – 3:45pm | Neville Rosengren
<i>Windfarms and geoscience significance.</i> |
| 3:45pm – 4:00pm | Final Questions and Conclusion |
| 4:00pm | Finish |



Presentations

Dr. Adam Miller – Deakin University Australia

Matching genes with future climates

In this talk Adam will introduce the work he is doing in the field of flora conservation and restoration. He will introduce some of the challenges that native flora communities are facing, and the limitations of local-provenancing in highly modified and rapidly changing environments. Using case studies as examples Adam will discuss the benefits of deliberately moving species and their genes around the landscape to help prepare for future climates and promote ecosystem function. He will also discuss the role of multi-provenance seed orchards for identifying and producing genetically optimal seed for local and regional restoration investments. This talk will have a particular focus on the Glenelg-Hopkins catchment, and projects currently underway on Victorian Volcanic Plains flora communities.

Dr. Michelle Casanova – Federation University Australia

Current and future risks of cropping in wetlands in Victoria

This study was undertaken for DELWP through the Glenelg Hopkins CMA, to determine the current occurrence of cropping in wetlands in Victoria and future trends, and to make an assessment of the impacts and consequences of cropping.

Professor Ian McNiven – Monash University

New archaeological challenges to the complexity of south west Victorian Aboriginal history

Professor Ian McNiven will provide an overview of his archaeological work in south-western Victoria in the 1990s updated in light of new archaeological research in the region over the past 20 years.

Dr. Lauren Veale – Nature Glenelg Trust

Restoration of wetlands assisting in the recovery of threatened species

*In south-eastern Australia, extensive drainage and subsequent habitat loss, coupled with periods of extended drought, has led to the decline in several freshwater native species, including the nationally vulnerable *Galaxiella pusilla* and *Nannoperca obscura*. Contemporary hydrological restoration of wetlands represents a key activity to improving the conservation status of many species. The closure of the last remaining artificial outlet of Long Swamp; a coastal wetland in south-western Victoria, resulted in*



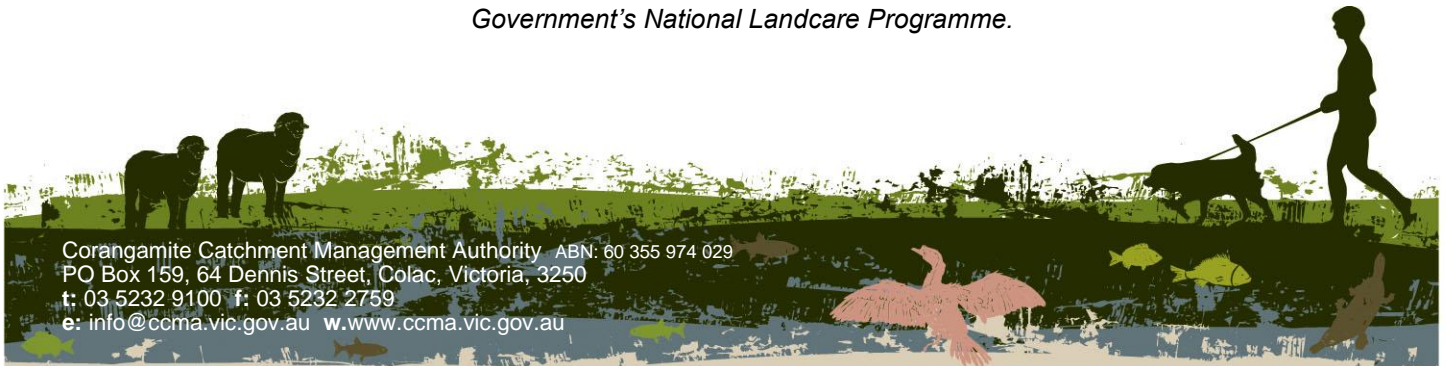
*the recovery of approximately 200 hectares of aquatic habitat. A comparison of baseline data collected prior to restoration and following the completion of works between 2014 and 2017 reveal the short-term fish responses to restoration. Specifically, we demonstrate how the creation of greater wetland habitat and increased connectivity has promoted the expansion of *Galaxiella pusilla*, *Nannoperca obscura* and *N. australis*. Finally, efforts to restore the original flow path of another wetland complex in the southern Grampians are discussed, including the foreseen positive outcomes for native freshwater fish.*

Neville Rosengren – Honorary Associate La Trobe University

Wind Farms and Geoscience Significance

Neville Rosengren has been carting earth science students across the Newer Volcanics Province of Victoria for over 50 years. Between 1989-1992 he prepared a field-based catalogue of the geology and geomorphology of the (then) 400+ recognised eruption points, assessed their geoscience significance and recommended conservation principles for each. More recently he has been engaged as a consultant by proponents of several large wind farm projects in western Victoria to prepare a detailed (field-based) inventory of volcanic features of significance in the project area and provide recommendations on placement of wind farm infrastructure to avoid and minimise impact on these features. Neville will review the methodology and present the outcomes of selected wind farm projects between Skipton and Cape Bridgewater.

This event is supported by the Corangamite CMA, through funding from the Australian Government's National Landcare Programme.



Mt Helen Campus, Ballarat | Map



NOT TO SCALE

Legend

- | | | |
|---|----------------------------|---|
| Buildings | Flagpoles | For security assistance call 5327 6333 |
| Roads | Bike Parking | For disability access assistance call 5327 9470
For Mobility Access Map refer Page 3 |
| Car Park Number
(Restrictions may apply) | Bus Stop | All Federation University Australia Campuses
are Smoke-free |
| Disability Car Spaces | Parents Room | |
| Pathway/Route | Health Centre | |
| Toilets | Food and Drink | |
| Lift | Designated Assembly Point | |
| Entry Point | Prayer Room/Place of Peace | |
| | Muslim Prayer Room | |

Mt Helen Campus, Ballarat | Building Reference

Faculties

Faculty of Education and Arts

Building T, South Wing (Ian Gordon)

Faculty of Health

Building S, Level 1

Faculty of Science and Technology

Building Y, Level 1 (Science and Technology Building)

Federation Business School

Building B

A

Aboriginal Education Centre

Building U, Level 1 (Albert Coates Complex)

Aquatics Laboratory

Building P, Level 7

Building A

B

Bookshop

Building U, Level 1 (Albert Coates Complex)

C

Car Fleet Parking

Building V

Careers and Employment

Building U, Level 1 (Albert Coates Complex)

Centre for Learning Innovation and Professional Practice (CLIPP)

Building U, Level 2 (Albert Coates Complex)

Centre for University Partnerships (CUP)

Building N

Chief Operating Officer

Administration Building D, Level 1

Conference and Catering Services

Building M (Caro Convention Centre)

Contact Centre

Building N

D

Design and Print Services

Building N

E

Equity and Equal Opportunity

Building U, Level 1 (Albert Coates Complex)

F

Facilities Services

Building G (MB John Building)

Facilities Services Depot

Building V

FedUni Children's Centre

Building K

FedUni Living

Building FL

FedUni Schools Outreach

Building U, Level 1 (Albert Coates Complex)

FedUni Store

Building T (North Wing), Level 0

Finance

Administration Building D, Level 0

Administration Building D, Level 1

Founders Theatre

Building M (Caro Convention Centre)

G

Geoffrey Blainey Research Centre

Building L, Level 2 (EJ Barker Building)

Gymnasium

Building P, Level 8

H

Health Centre

Administration Building D, Level 0

The Hub and Food Court

Building U, Level 0 (Albert Coates Complex)

Human Resources

Building T (North Wing), Level 1

I

International Student Support

Building U, Level 1 (Albert Coates Complex)

ITS Services

Building L, Level 9 (EJ Barker Building)

ITS Services Office

Building L, Level 1 (EJ Barker Building)

L

Legal

Administration Building D, Level 0

Library

Building L (EJ Barker Building)

Information Desk / ICT Help Desk

Building L, Level 0 (EJ Barker Building)

M

Main Boiler Room

Building Z

Management, Accounting and Compliance

Administration Building D, Level 1

Marketing and Communications

Building N6

Multi-Purpose Building

Building Q2

Muslim Prayer Room (MP)

Building G (MB John Building)

P

Parenting Room

Building Y, Level 2 (Science and Technology Building)

Parent/Baby Change Room

Building U, Level 0 (Albert Coates Complex)

Public Relations

Administration Building D, Level 0

Prayer Room/Place of Peace (Non-Denominational)

Building U, Level 2 (Albert Coates Complex)

R

Records and Mail Services

Building T (North Wing), Level 0

Research and Innovation

Building F, Level 2

Ruby's Restaurant

Building U, Level 0 (Albert Coates Complex)

S

Sport and Recreation Centre

Building Q1

Sporting Fields

J

Swimming Pool

Building P, Level 8

State Library Victoria

Building SLV

STA Travel

Building U, Level 1 (Albert Coates Complex)

Strategic Capital, Infrastructure and Projects (SCIP)

Building N

Student Administration

Building T (North Wing), Level 0

Student Advisory Office

Building U, Level 1 (Albert Coates Complex)

Student Connect

Building U, Level 1 (Albert Coates Complex)

Student Lounge and Kitchen

Building U, Level 1 (Albert Coates Complex)

Student Residences

Peter Lalor Hall (North)

Building PLN

Peter Lalor Hall (South)

Building PLS

Bella Guerin Hall

Building BGH

Student Support

Building T (North Wing), Level 0

Style Degree (Hairdresser)

Building U, Level 1 (Albert Coates Complex)

T

Timetabling

Building N

U

UniSports

Building P, Level 8

V

Vice-Chancellor's Office

Administration Building D, Level 1

Mt Helen Campus, Ballarat | Mobility Access Map



Legend

- Buildings
- Roads
- Car Park Number (Restrictions may apply)
- Disability Car Spaces
- Accessible Pathway/Route
- L1 Accessible Pathway/Route
- Disability Access Toilet (Level)
- Lift
- Parents Room
- Health Centre
- Food and Drink
- Bus Stop
- Prayer Room/Place of Peace
- Muslim Prayer Room

For security assistance call 5327 6333

For access assistance call 5327 9470 or email disability@federation.edu.au

Accessible routes do not contain any stairs, however some gradients may not be suitable for some users.

The most up to date version of this map is located at federation.edu.au/maps