

Dr. David McKay: Dr David McKay has Bachelor, Masters and PhD degrees in biochemistry, molecular biology and microbiology. Dr McKay has a strong interest in teaching and learning. He is a registered teacher and has taught at both secondary and tertiary levels. He has been involved in attracting a number of teaching grants concerned with improving teaching and learning in the secondary science area. Dr McKay was awarded the Vice-Chancellor's Award for Excellence in Teaching at the University of New England (1999) and the University of the Sunshine Coast (2003).

Greg Laves: Greg Laves was one of four graduates (the first in the world) to receive a Master of Climate Change Adaptation degree at the University of the Sunshine Coast. Greg has expertise in assessing how climate change is likely to impact on a variety of environmental conditions, from physical and biological to social, economic and cultural.

Kathleen Wood: Kathleen Wood was one of four graduates (the first in the world) to receive a Master of Climate Change Adaptation degree at the University of the Sunshine Coast. Kathleen is skilled in using environmental simulation models to produce vulnerability assessment documents and prepare environmental management systems and plans.

Cr. Debbie Blumel: Cr Debbie Blumel was elected in 2008 to represent Division 8 on the Sunshine Coast Regional Council. Cr Blumel is the Chair of Regional Development Australia Sunshine Coast, holds the Major Projects Portfolio, and is a member of the Council of Mayors' Infrastructure Committee and the Council of Mayors' Carbon Sink Taskforce. Cr Blumel is chairman of Community Water Ltd, a company that will progress the Australian-first water harvesting and beneficial reuse scheme at Ridges Peregian Springs. Prior to her election, Debbie worked as a health professional in many managerial and advisory roles.

Susie Chapman: Susie Chapman is the Community Partnerships Manager (North) for SEQ Catchments, the regional body for natural resource management (NRM) in South East Queensland. In this role and in previous capacities in community NRM groups, she has developed a broad understanding of the Sunshine Coast landscape, its capabilities and constraints and its community networks. Recently she completed her Graduate Certificate in Climate Adaptation at USC. Trained as a biochemist and nutritionist, Susie has a particular interest in environmental health and the provision of good quality food locally.



TEACHER PROFESSIONAL DEVELOPMENT

2010

Programme



Professional Development 2010

Adaptations to Climate Variability: How Can Science Help?

Wednesday 13th October

Time	Event	Location
8:30am	Teacher Registration	H Block
8:45 – 11:15	Dr. David McKay Lab Session: “Reducing CO ₂ in the Atmosphere Using Genetic Engineering”	H Block Lab H1.06/07
11:15 – 12:15	Greg Laves Introduction to Climate Science	HG.28 Computer Lab, H Block
12:15 - 1:00	Lunch	Brasserie
1:00	Depart for Industry visit (Gourmet Garden - Palmwoods)	
1:15	Introduction and safety at Gourmet Garden	Gourmet Garden
1:30 – 2:45	Gourmet Garden tour	Gourmet Garden
3:00	Return to the USC	USC
6:30pm	Evening Dinner Function Guest Speaker: Mike Smith Maroochy Research Station DEEDI DPI & Fisheries Qld	4 th Floor Restaurant 77 The Esplanade, Mooloolaba

Thursday 14th October

Time	Event	Location
8:30am	Arrive at the USC	HG.28 Computer Lab, H Block
9:00 – 10:30	Kathleen Wood - Climate Change Computer Simulation of Climate Change “SimCLIM”	HG.28 Computer Lab, H Block
10:30 – 10:45	Morning Tea	H Block
10:45 – 12:00	SimCLIM with Kathleen Wood Continued and Introduction to OZCLIM	HG.28 Computer Lab
12:15 – 1:00	Lunch	Brasserie
1:00 – 1:25	Cr. Debbie Blumel Sustainable Development	C1.41 Tutorial Room, C Block
1:30 – 2:50	Susie Chapman (SEQ Catchments) Current projects undertaken with partners on the Sunshine Coast and the science that underpins them	C1.41 Tutorial Room, C Block
2:50 – 3:00 pm	Closing and Evaluation	C1.41 Tutorial Room, C Block

*Please note that covered shoes and sleeved shirts (no singlets) must be worn in the labs and Industry visits.