



## The Society for Sustainability and Environmental Engineering



...engineering in harmony with ecology

**TUESDAY 17 April 2012**

**Time:** 5:30pm for 6:00pm start

**Venue:**

Hawken Auditorium, Engineering House  
447 Upper Edward St, Brisbane

**Cost:**

Members	\$15
Non Members	\$30
Students	\$10

**Booking is required.**

**Speaker:**

**Dr Matt Landos**

Matt is a Director at Future Fisheries Veterinary Service in New South Wales. His work here, and previously at the Department of Primary Industries focuses heavily upon the effects of agricultural and veterinary chemicals on aquatic ecology. Matt is a vocal advocate for tighter regulation surrounding the use and management of potentially harmful chemicals, and has been involved in toxicology studies both in NSW, and more locally in the widely reported toxicology studies conducted at the Sunland Fish Hatchery near Noosa.

Dr Landos is an honorary lecturer in aquatic animal health and an associate researcher at the University of Sydney. He has had extensive experience in the field of veterinary health management including:

- Delivering on-farm health management advice and extension support;
- Characterising disease processes at individual animal and population levels in the field and in the laboratory;
- Developing and implementing science-based health management programs; and
- Facilitating individual farms to form collaborative learning groups to improve health management and assist in supporting stock translocation and market access.

Matt is actively involved with professional associations and is president of the Aquatic Animal Health Chapter of the College of Veterinary Scientists.

**Drinks and Networking**

Please join us for a few drinks and light supper after the presentation.

The presentation will count as one hour towards your CPD.

**Presents**

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## **Toxins in the Environment**

### ***Is mass ecological extinction our future?***

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Australia is amidst a wildlife health crisis of an unprecedented scale.

Since the industrial revolution, a vast array of synthetic chemicals has been manufactured for a wide variety of uses by humans, including supporting increased agricultural production; industrial compounds; and pharmaceuticals for humans and other animals. However, the sometimes-disastrous impacts on the health of exposed biota and productivity of exposed ecosystems are seemingly being largely overlooked.

Emerging animal health syndromes being linked to exposures to environmental toxins include gender change and population decline in fish; amphibian disease and deformity; honey bee disease and decline; reproductive and developmental dysfunction in birds; and loss of coral to name a few.

Exposure to toxins is happening in the absence of any robust monitoring programs. Traditional toxicological regulatory assessment methodologies continue to utilise flawed methodologies. With a focus on the aquatic realm, Matt discusses the need for a new enthusiasm by research funding providers to address these issues directly.

Regulatory reform for industrial, veterinary, human pharmaceutical and agricultural chemicals in countries such as Denmark is comparatively well progressed.

If Australia is to preserve its rich, diverse and unique fauna, action must be taken as a matter of urgency.

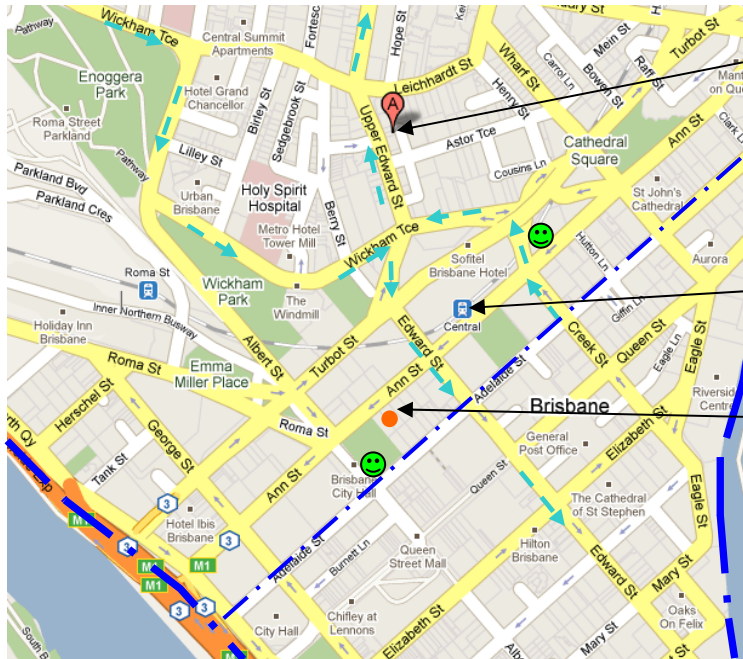


## Drinks and Networking

Please join us for a few drinks and light supper after the presentation.

- Register on-line at the [QLD Division Events Website](#)
- Please telephone Qld Division for any registration queries (07) 3832 3749

**SSEE encourages you to travel by public transport.**



### Engineering House

447 Upper Edward St

### Spring Hill Loop bus

every 10 minutes until 6pm

### Central Train Station

### Citycat

### Transport Information Centre

### Pedestrian - Cycle way

### CityCycle station

Joint SSEE to take advantage of the lower registration costs.

Annual membership costs to join the SSEE are provided below:

#### Engineers Australia Members (including GST)

General - \$71.50

Student - FREE

Retired - \$27.50

#### Non Engineers Australia Members (including GST)

General - \$93.50

Student - FREE

Retired - \$38.50

Download the [membership application form](#).

Visit the SSEE website at: <http://ssee.org.au/>

Visit the Engineers Australia Qld website at: <http://qld.engineersaustralia.org.au/>

