

Perth Branch

## The Science Behind Environmental Assessment and Prediction

Wednesday 11<sup>th</sup> August 2010

Melbourne Hotel (John De Baun Room), Corner of Hay & Milligan Street, Perth

Registration / Bar Opens 5:30pm: Presentations Start at 6:00pm: Drinks and Canapés 7:30pm

Chaired by: **Dr. Julie EP Morgan, Woodside Energy Ltd.**



Consideration of the environment is an important part in the planning of new coastal and marine infrastructure. This evening is aimed at giving some insight into environmental protection in Western Australia and its role in infrastructure planning, the unique marine environment of Western Australia, and a glimpse of future tools aimed at streamlining access to quantitative environmental information.

### Environmental Impact Assessment in Western Australia

**Dr Ray Masini, Office of the Environmental Protection Authority (OEPa)**



Environmental Impact Assessment (EIA) relies on impact prediction. The extent, severity and persistence of impacts will depend primarily on the type and scale of the development and its environmental setting. The level of confidence that can be placed on the predictions is heavily dependent on knowledge of the pressures imposed during both construction and operational phases of the development and the sensitivities of the environmental receptors. EIA of large scale infrastructure developments in WA's unique marine environment presents many challenges to proponents and assessors alike. This presentation will explore some of these challenges and outline the EPA's expectations of proponents of large-scale marine infrastructure developments in Western Australia.

### Understanding the Leeuwin Current Marine Ecosystem Dynamics

**Dr. John Keesing, WAMSI**



The Leeuwin Current is the world's longest boundary current and the only poleward flowing eastern boundary current in the southern hemisphere. It has a profound influence on the western and southern Australian marine biodiversity and ecosystem function. Over the last 10 years there have significant advances in understanding the ecological processes which are heavily influenced by the physical dynamics of the Leeuwin current. This seminar will provide a brief insight into these dynamics and the research approaches that have been taken to study them.

### Towards a National Approach with Regional Differences.

**Building a common framework Simon Allen, CSIRO Wealth From Oceans**



From meteorology to oceanography, from water information to spatial information, Australia is seeing benefits from acting nationally, or globally, but thinking regionally. The same could be true for coastal information, Simon will look at some of the barriers to developing a national coastal information system and perhaps some of the solutions.

Drawing on successful research / management partnerships in Tasmania and Queensland the elements needed to develop a better understanding of our coastal environment will be explored.

**Event Sponsored by:**

**REGISTRATION FEES:** SUT Members \$10: Non-Members \$30\*



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To help reduce registration time on the night, SUT would appreciate if you could register and pay for this event in advance.

To do this please e-mail [perthevents@sut.org](mailto:perthevents@sut.org) with delegate name, affiliation and credit card details, or if you prefer call + 61 (0) 8 9446 9903 with above details. If unable to pre register, registration and payment will still be accepted on the night.