## New Insights into Climate Change and Coral Reef Ecosystem

## Workshop by Dr. Faezeh Mahichi, Ph.D. from Ritsumeikan APU, Japan

## 4<sup>th</sup> July 2014, Domaine Les Pailles Time: 9:00am - 4:30pm Includes Course Materials,

Lunch, Tea Breaks & Certificate of Attendance



- Understand climate change impact on coral reef ecosystems using case studies of Okinawa, Japan
- Learn how to protect Mauritius' coral reefs using Japanese technological systems and practical / regulatory management mechanisms
- Update yourself on microbial ecology advancements on coral reef structure, function, health and habitats

## **Course Content**

MOL Approved

- State of coral reefs in Okinawa
- Industrial & anthropogenic effects on bacterial consortia of corals
- Impact of outbreak of Crown-of-Thorn Starfish
- Microbial community dynamics
- Climate change & coral reef resilience
- Coral reef disease & ocean acidification
- Okinawa's coral reef monitoring technology
- Tools for signal processing & imaging
- Experimental designs & statistical analysis for coral reef research
- Conservation strategies & propagation methods
- Practical & regulatory management measures for reef restoration
- Socio-economic values of coral reefs
- Local governance & community support

\*Conditions apply. See HRDC for details.

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