



**Mini-Workshop on**

**"Integrating multi-model ensembles in global and regional climate change studies:  
Estimating and understanding past, present and future climate change."**

**International Pacific Research Center, University of Hawai'i at Mānoa  
POST Bldg. 414, 1680 East-West Rd., 96822 Honolulu, Hawaii**

**March 6th, 2012 9:00 am- 12:00pm**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
9:00-9:05	Opening remarks	
9:05-9:30	Introducing JUMP - the Japan Uncertainty Modelling Project	Julia Hargreaves (JAMSTEC)
9:30-9:55	Ensemble performance, model independence and observational constraints	James Annan (JAMSTEC)
9:55-10:25	Discussion: The value of uncertain models and observations in ensemble evaluation	All participants
10:25-10:45	Break	
10:45-11:05	Use of ensemble models in statistical climate downscaling: Case study Hawai'i	Oliver Elison Timm
11:05-11:25	Millennial reconstructions: what can we learn from limited proxy data?	James Annan (JAMSTEC)
11:25-12:00	Discussion: Preserving physical consistence in ensemble averaging and uncertainty estimates.	All participants