CLIVAR/JAMSTEC Workshop on the Kuroshio Current and Extension System: Theory, Observations, and Ocean Climate Modelling:
Workshop background and expected outcomes

Dr Simon Marsland
CSIRO and CLIVAR Ocean Model Development Panel
Thank you

• JAMSTEC and Masao Fukasawa
• Yoshiki Komuro (Chair, Scientific Steering Committee) and JAMSTEC
• CLIVAR Climate Dynamics Panel (Shoshiro Minobe)
• CLIVAR Pacific Region Panel (Tatsuo Suzuki and Xiaopei Lin)
• International CLIVAR Project Office (Anna Pirani)
• You, the Workshop participants!
• CLIVAR Ocean Model Development Panel
Background of CLIVAR Ocean Model Development Panel Workshops

- Workshop on Ocean Mesoscale Eddies
  UKMO, Exeter UK, 2009

- Workshop on Decadal Variability, Predictability, and Prediction: Understanding the Role of the Ocean
  NCAR Boulder USA, Colorado, 2010

- Workshop on Sea Level Rise, Ocean/Ice Interactions and Ice Sheets
  CSIRO, Hobart Australia, 2012
  CLIVAR Exchanges, No 62, August 2013

- Workshop on High Resolution Ocean Climate Modelling
  GEOMAR, Kiel Germany, 2014
  CLIVAR Exchanges, No 65, July 2014
January 4th 2015

... 225 emails later ...

---

**Background of this Kuroshio Workshop**

**January 4th 2015**

---

**KOMURO Yoshiki**
To: Gokhan Danabasoglu  
Cc: Anna Pirani, Simon Marsland
Reply-To: KOMURO Yoshiki
Re: CMDP panel meeting in 2016

**Dear Gokhan,**

Happy New Year to you, and thank you for your noticing me about the meeting schedule in the next two years.

I’d love to host the meeting(s) in Japan, and I agree about starting the planning. I also thank you so much for your kind offer to help us. But before going further, please give me several days to check the

---

**KOMURO Yoshiki**
To: Gokhan Danabasoglu  
Cc: Simon.Marsland@csiro.au, Anna Pirani
Reply-To: KOMURO Yoshiki
Re: CLIVAR/JAMSTEC Workshop on the Kuroshio Current and Extension System

**Dear Simon and Gokhan,**

Thank you for the responses. I will prepare my slide following your suggestions. Have a safe trip, and see you soon in Yokohama.

**Best,**

**Yoshiki**
Kuroshio Workshop Aims

• To assess the state-of-science of the theory, observations, and ocean climate modelling of the Kuroshio Current and Extension systems in the North Pacific Ocean

• To assess the role of higher resolution to improve the simulation of the Kuroshio system in ocean climate models

• To explore opportunities for new collaborative and focused studies on the Kuroshio Current and Extension system to improve decadal climate prediction capabilities both for the Asia-Pacific region and globally.
Kuroshio Workshop Outcomes

• Together we will achieve the workshop aims.

• We will produce a CLIVAR Exchanges Special Issue to document:
  • state-of-science on Kuroshio
  • pathways for progress and science gaps/needs
  • opportunities from CMIP6
I, I wish you could swim
Like the dolphins, like dolphins can swim
Though nothing, nothing will keep us together
We can beat them, for ever and ever
Oh we can be Heroes, just for one day