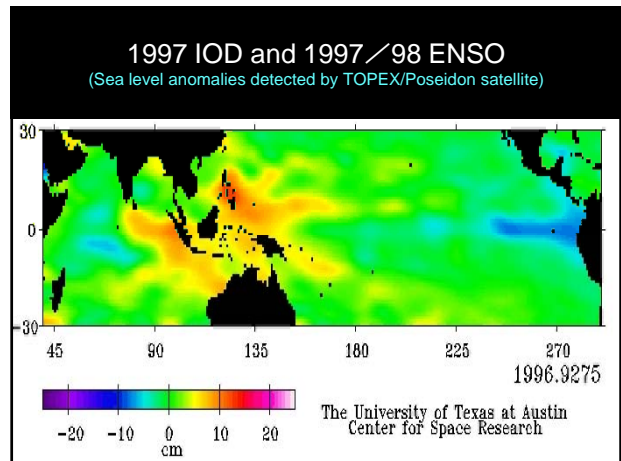
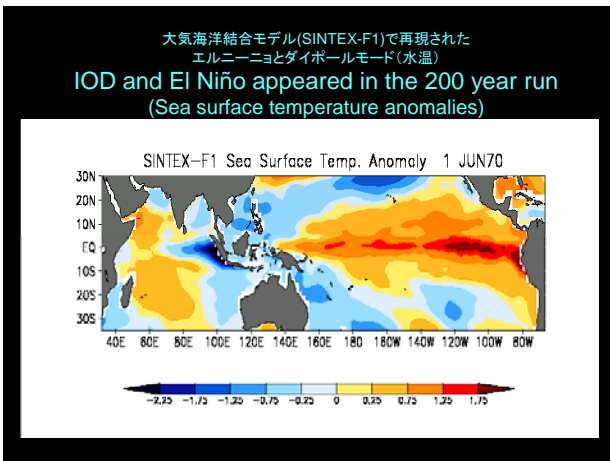
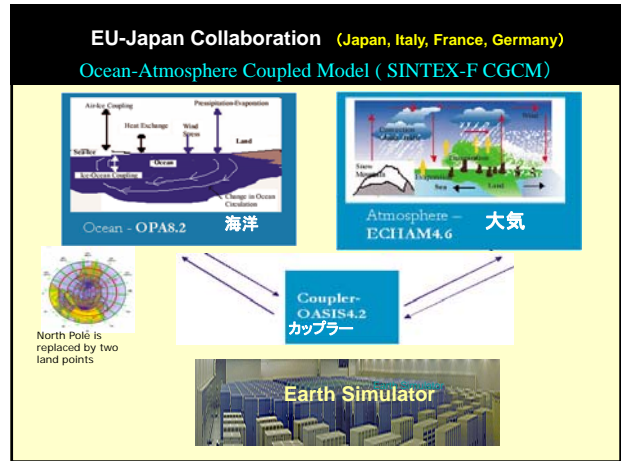


Toward predicting IOD and ENSO

気候変動モードの予測に向けて

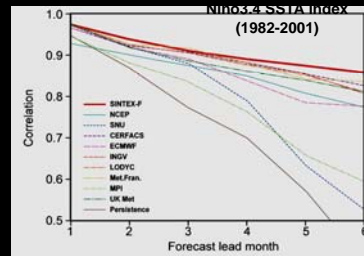


Predicting IOD and El Niño

- 1) Hindcast experiments to examine predictability.
- 2) Actual prediction activities to answer societal needs
- 3) Innovation based on societal applications

SINTEX-Fによる熱帯気候変動予測実験 Hindcast experiments using the SINTEX-F

Achieved the No. 1 ENSO prediction skill among the world leading 10 CGCMs !!



Jin et al. 2008, J. Climate (in press); also APCC CLIPAS Report in 2007

Early drought warning kept quiet Signal failure

EXCLUSIVE

The best warning that drought may be occurring was made by a Japanese scientist during a meeting in March that Australia could be heading back into drought.

But the warning was kept quiet until the end of the year, and it was not until the start of 2008 that the public was aware of it.

That the warning came at a time of a drought in Australia was a signal failure.

Phil Taylor, a scientist at the University of Queensland, Australia, said that the warning was not given until the start of 2008, which is when the drought was already well advanced.

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2007 IOD or 2007 La Niña? The Weekly Times of Australia 24 October 2007

Many newspapers of Japan 10月24-27日 読売、毎日、フジサンケイ、 時事通信、日刊工業

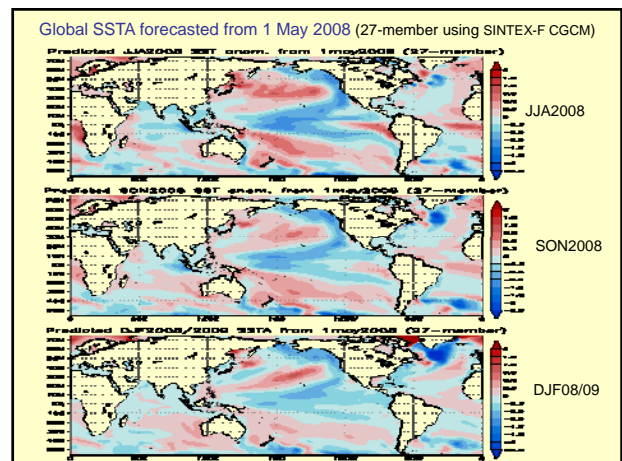
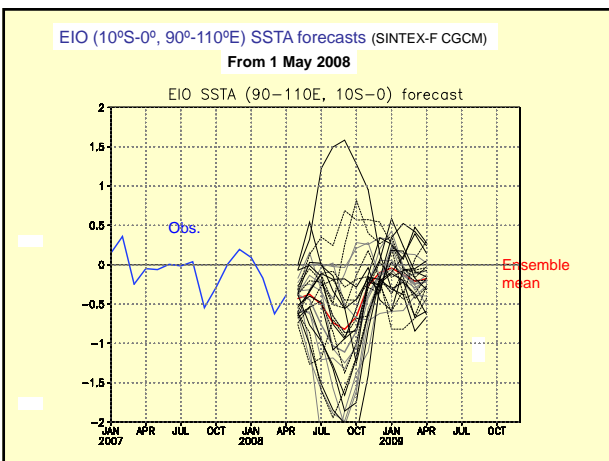
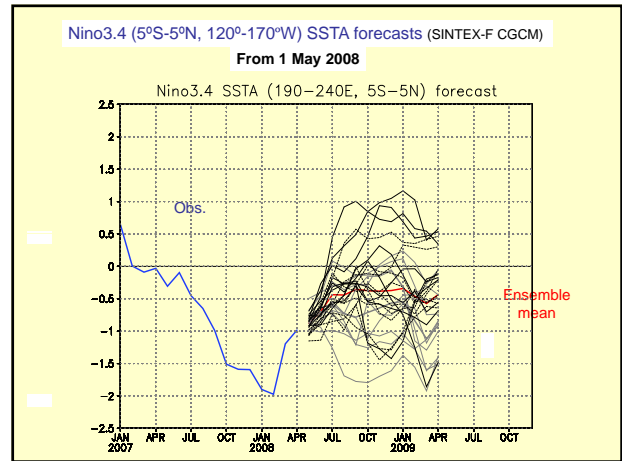
Signal failure as drought warning kept quiet

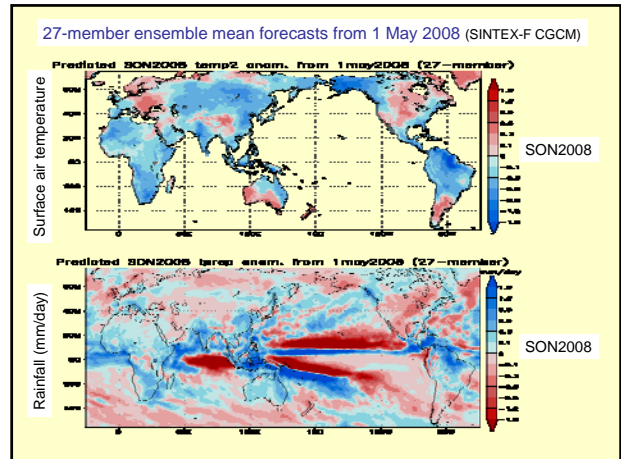
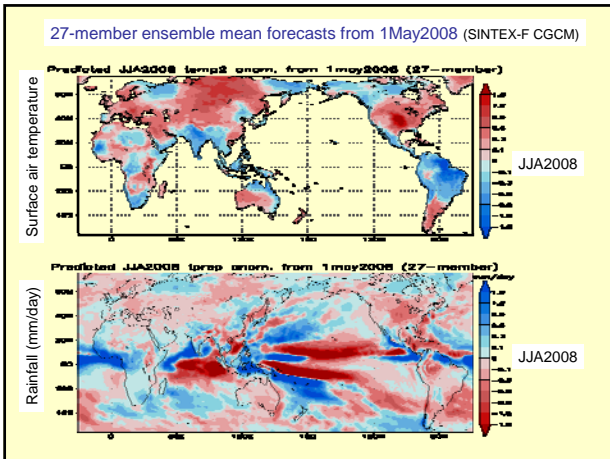
From Page 1

Monitoring and research into the Indian Ocean dipole was not as intensive as it should have been, and the warning was not given until the start of 2008, which is when the drought was already well advanced.

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インド洋に展開予定の係留ブイシステム
Indian Ocean Buoy Project
-Indian Ocean GOOS-

Tropical Indian Ocean Moored Buoy Array

- Surface Mooring
- Flux Reference Site
- ADCP

To enhance sustainable development

Climate prediction system (synthesis of earth observation and modeling)

Forecast information and its validation

Information delivery system and application to society

- Agriculture
- Disaster prevention
- Insurance
- Production management

