Introduction to Tokyo Climate Center and its activities

TCC Training Seminar on Global Warming Projection Information 26-30 January 2015



Tokyo Climate Center (TCC)

- >TCC serves as a WMO Regional Climate Center in the RA II.
- >TCC supports NMHSs through data/information provision and capacity development activities.

Tokyo Climate Center (TCC)

- Provision of climate data and information via the Internet
- Seasonal forecasts
- Global warming
- Report on extreme events Climate monitoring
- Climate system analysis Reanalysis data
- Capacity Development
- Training seminar
- Expert visit

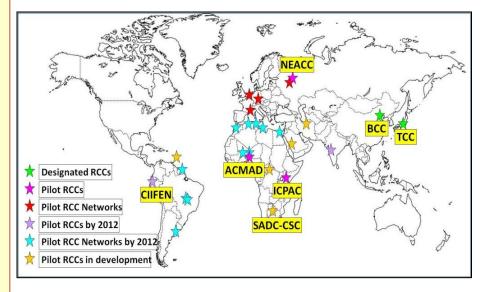


NMHSs in Asia

- Provision of climate information using TCC data based on national requirements



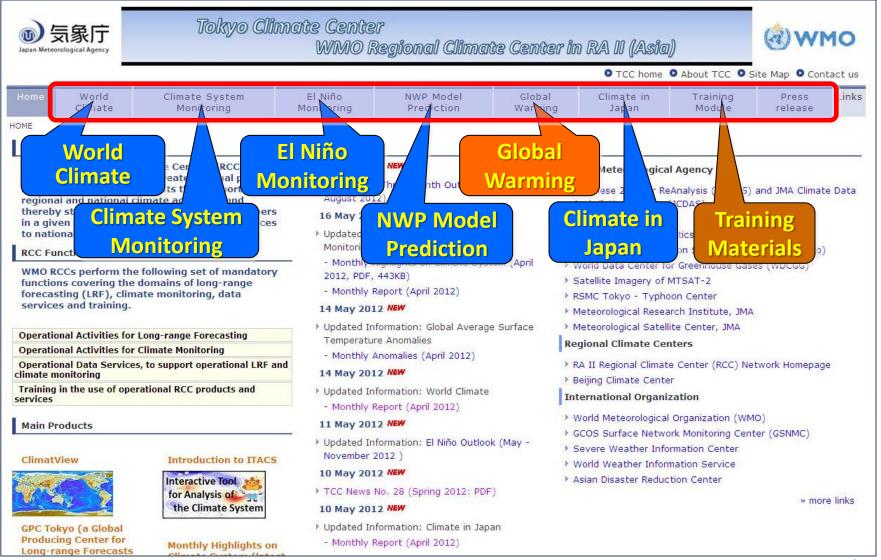
- Natural disaster reduction
- Food security
- Water management



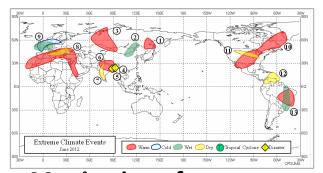
Current status of establishment of RCC

TCC and BCC were designated as RCCs in RA II in 2009.

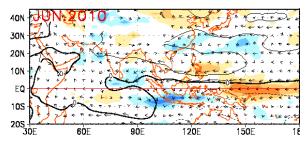
TCC website



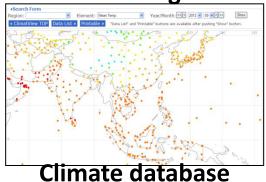
Examples of climate information, data and products

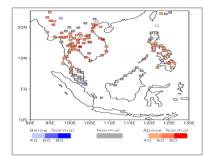


Monitoring of Extreme Climate Events

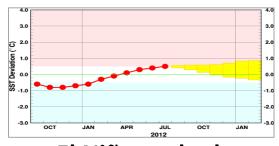


Asian Monsoon Monitoring

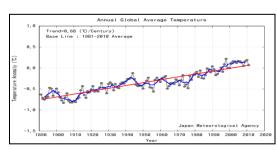




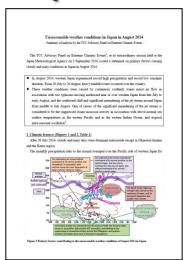
One-month Probabilistic Forecast for Southeast Asia



El Niño outlook

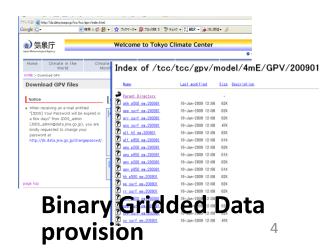


Global Average Surface Temperature Anomalies



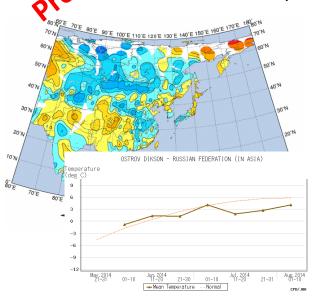
Report on extreme climate event

(Unseasonable weather conditions in Japan in Augut 2014)



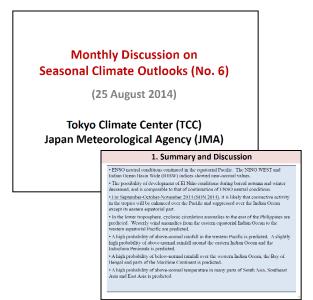
Examples of climate information, data and products

TCC launched 3 new products last year.



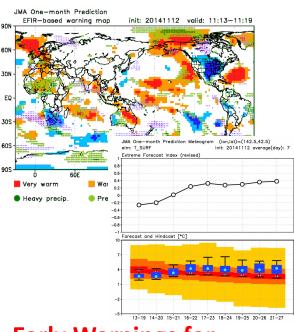
10-day/Half-monthly Temperature and Precipitation (Regional Map)

http://ds.data.jma.go.jp/t cc/tcc/products/climate/r map/rmap.php



Monthly Discussion on Seasonal Climate Outlooks

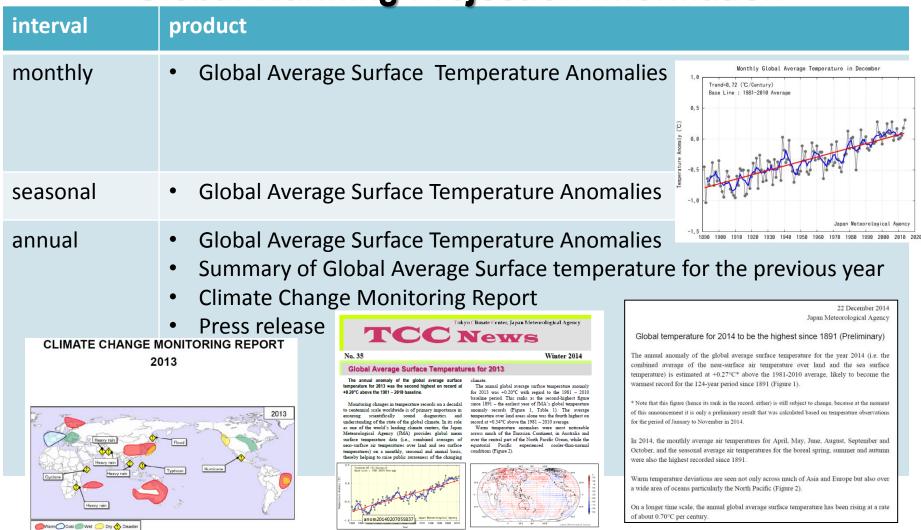
http://ds.data.jma.go.jp /tcc/tcc/products/mode l/monthly_discussion/la test.pdf



Early Warnings for Extreme Weather Event

http://ds.data.jma.go.jp /tcc/tcc/gpv/EFI/index.p hp (Password-Protected)

Provision of Climate Information - Global Warming Projection Information-



TCC Annual Training Seminar

As part of TCC's capacity-building activity in its role as RCC, TCC holds annual training seminars on the application of its climate monitoring and prediction products.

Each seminar deals with a different theme depending on TCC's progress in climate and analysis capabilities, such as the introduction of upgraded climate models.

	Theme	Participants
Nov. 2008	Climate Information and Forecasting	13: China, Hong Kong, India, Indonesia, Iran, Korea (2), Lao, Malaysia, Mongolia, Philippines, Thailand, Viet Nam
Dec. 2009	Climate Analysis using Reanalysis Data	11: Bangladesh, Indonesia, Laos, Malaysia, Mongolia, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Thailand, Viet Nam
Jan. 2011	Application of Seasonal Forecast Gridded Data to Seasonal Forecast Products	19: Bangladesh, Hong Kong, Indonesia, Kazakhstan, Laos, Malaysia, Maldives, Myanmar, Nepal, Pakistan, Philippines (2), Qatar, Singapore, Sri Lanka, Thailand, Uzbekistan, Viet Nam
Nov. 2011	One month Forecast Products	13: Bangladesh, Cambodia, Hong Kong, Indonesia, Laos, Malaysia, Mongolia, Myanmar, Pakistan, Philippines, Sri Lanka, Thailand, Viet Nam
Nov. 2012	Climate Analysis Information	12: Bangladesh, Hong Kong, Indonesia (2), Laos, Malaysia, Mongolia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Viet Nam
Nov. 2013	Seasonal Forecast Products	16: Bangladesh, Cambodia, Hong Kong, Indonesia (3), Laos, Malaysia, Mongolia, Myanmar, Nepal, Papua New Guinea, Philippines, Sri Lanka, Thailand, Viet Nam
Jan 2015	Global Warming Projection Information	13: Bangladesh, Cambodia, Indonesia, Hong Kong, Laos, Malaysia, Mongolia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Viet Nam



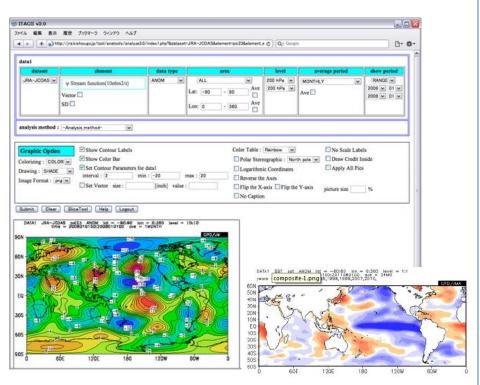


TCC Development tools and GPV

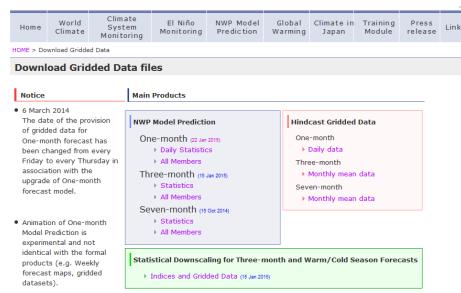
In the past training seminar on the application of climate monitoring and prediction products, TCC introduce several tools and various kind of GPV (Grid Point Value).

TCC website also provides such useful tools and GPV just only for the registered NMHSs.

ITACS (Interactive Tool for Analysis of the Climate System) is a web-based application software for climate analysis.



1-month/3-month/seasonal prediction product (GPV) and its verification charts are available on the website.



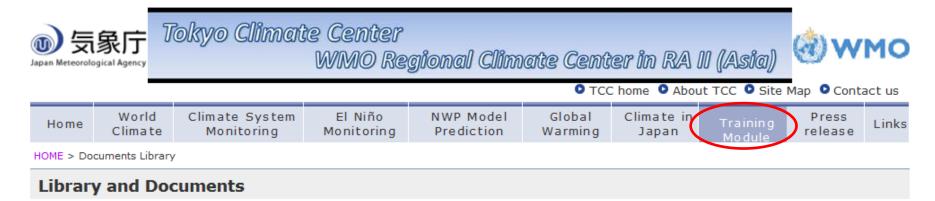
http://ds.data.jma.go.jp/tcc/tcc/products/model/index.html

Application is as follow:

http://ds.data.jma.go.jp/tcc/tcc/products/model/Application.html

Training Module on the website

Materials and presentations of training seminars are available on the TCC website.



This is the location of our documents/presentations on research and development activities and training modules for capacity building on climate monitoring and seasonal forecasting.

Main Products



Abstracts and Presentations by JMA

Forum on Regional Climate Monitoring, Assessment and Prediction for Asia (FOCRAII)

- > Tenth session (23-25 April 2014, Beijing, China)₩ NE
- Ninth session (8-10 April 2013, Beijing, China)

Thank you for your attention.

