TCC Training Seminar on Climate Analysis Information 26 – 30 November 2012 Tokyo, Japan

Exercise – Part II Production of climate analysis information

Objective and Schedule

• Acquire skills for analyzing climate system and making climate analysis information.

| <u>Schedule</u> | Lecture/practice |
|-----------------------|---|
| <28 November> | |
| 2:00 – 6:00 p.m. | Analyze your selected event |
| <29 November> | |
| 9:30 a.m. – 0:30 p.m. | Analyze your selected event Prepare for your presentation; making information |
| 2:00 – 3:30 p.m. | Prepare for your presentation; making information |
| 3:50 – 6:00 p.m. | Presentation (6 persons; 25 min for each) |
| <30 November> | |
| 9:30 a.m. – 0:30 p.m. | Presentation (7 persons; 25 min for each) Submitting information |
| 0:30 – 0:45 p.m. | Wrap up and closing |
| 2:00 – 6:00 p.m. | Technical tour |

Procedure of the exercise

You are requested to:

- At first, decide a past climate event with impact on your country. A targeted event is monthly/seasonal-scale event (not a particular weather event such as a tropical cyclone);
- Analyze your selected climate event, using TCC products and tools (ClimatView and ITACS) and referring to lecture materials;
- Make climate analysis information (one or more pages);
- Make a PPT material (10 or less slides);
- Present your PPT material and discuss it with the others. (20 minutes for presentation and 5 minutes for Q&A and discussion)

Climate analysis information

Structure

1: Surface climate conditions

Assess surface climate conditions, and if possible related impacts referring to official information source.

2: Characteristic atmospheric circulation

Identify atmospheric circulation directly contributing to the targeted surface climate conditions.

3: Factor analysis (if possible)

Investigate the possible factors associated with the identified atmospheric circulation directly contributing to the targeted surface climate conditions.

Other points

- Make information as a MS-Word file with one or more pages.
- Submit your-making information on the last day (30 Nov.) (send email to tcc3167@hotmail.co.jp)

PPT material

Structure

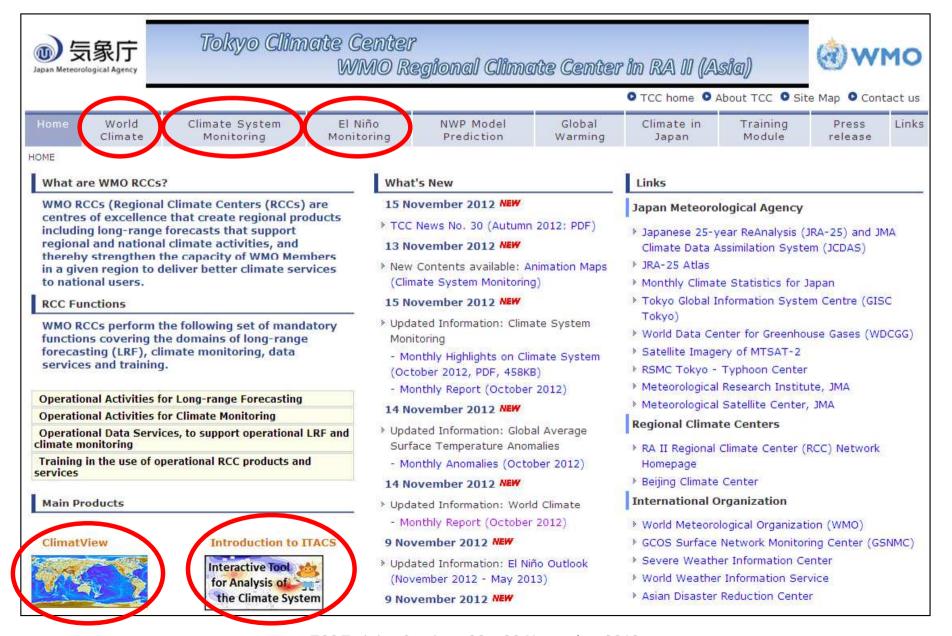
- 1: Surface climate conditions
- 2: Characteristic atmospheric circulation
- 3: Factor analysis (if possible)

Other points

• Prepare 10 or less slides, considering 20 min. presentation.

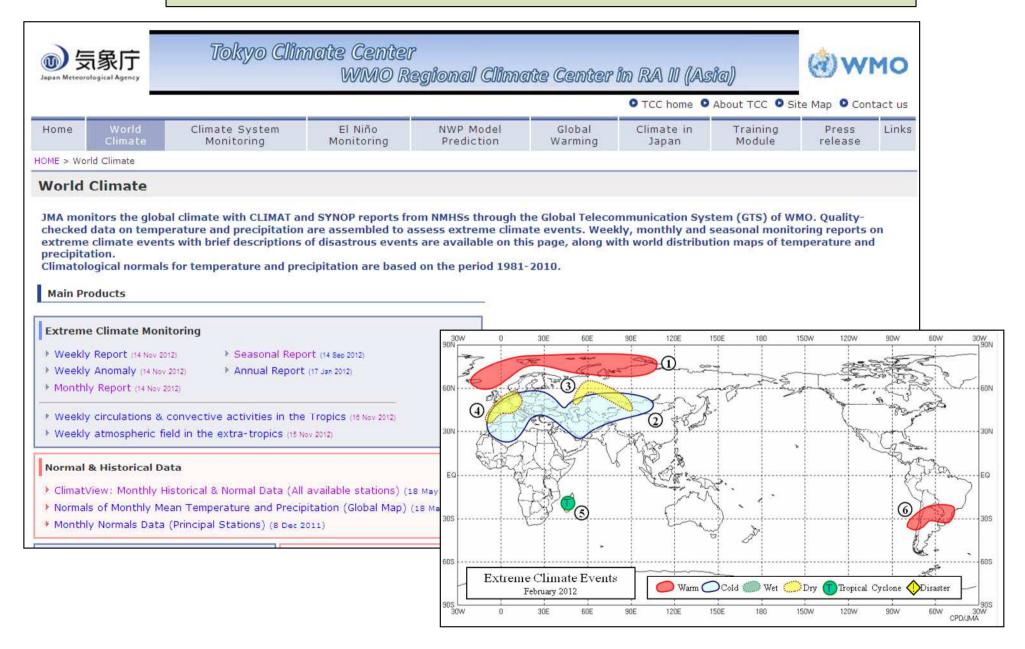
TCC website (home page)

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



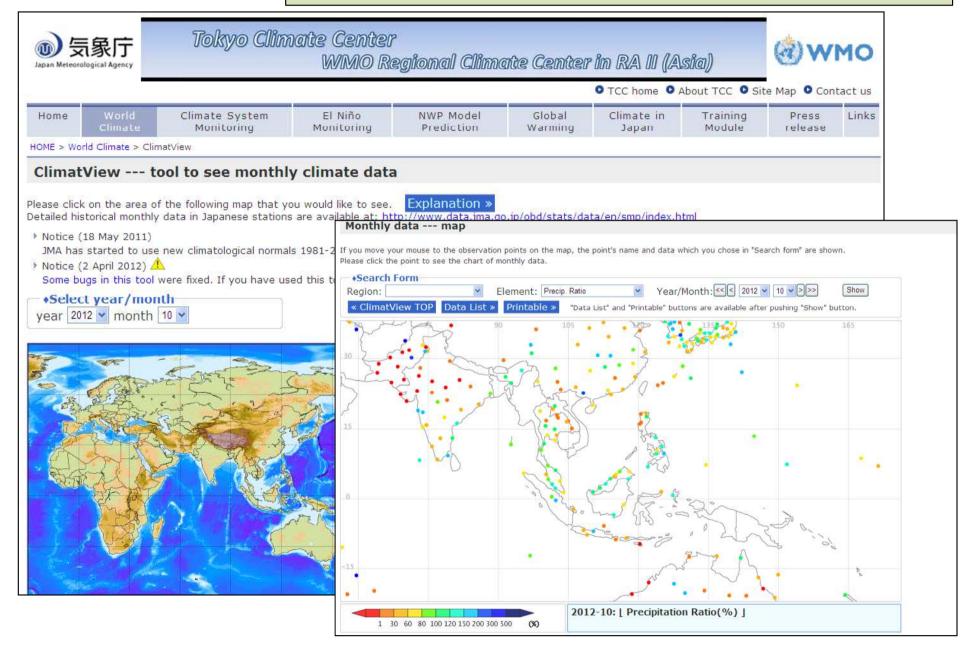
World Climate

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



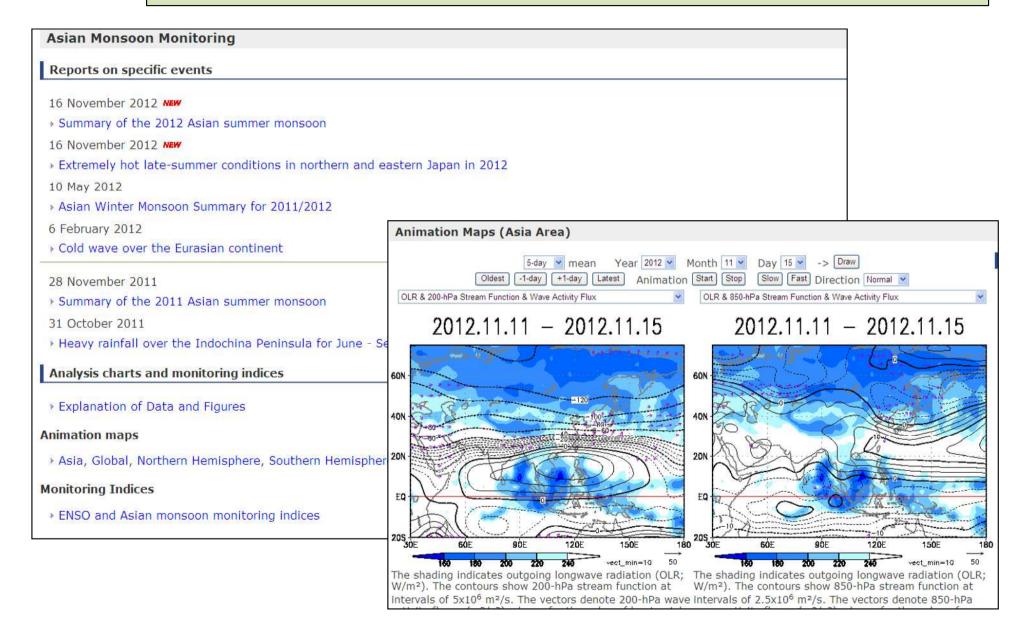
ClimatView

http://ds.data.jma.go.jp/gmd/tcc/climatview/



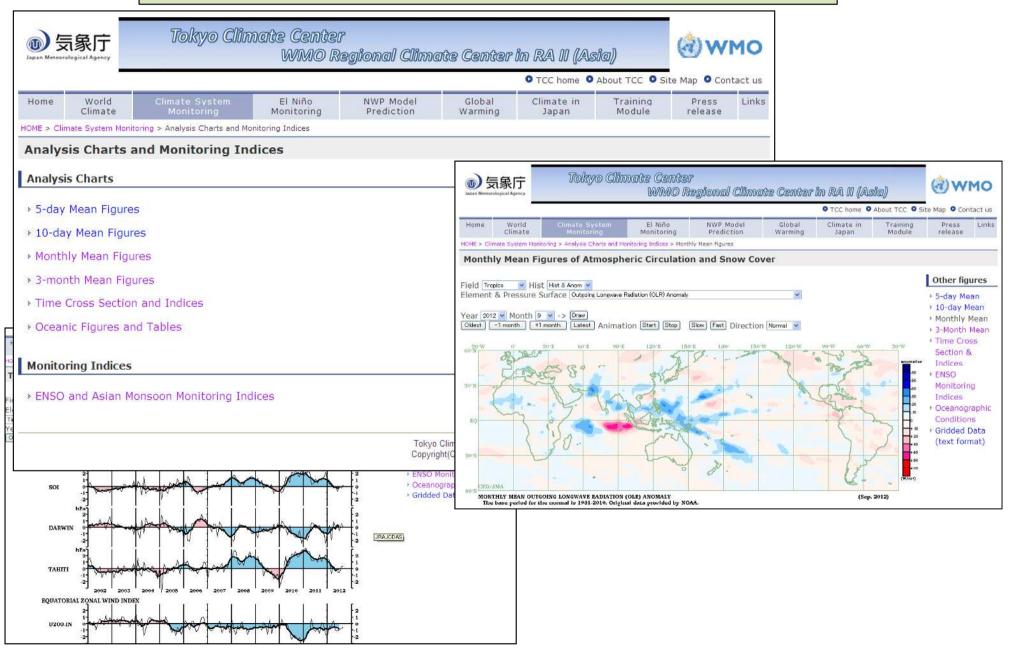
Asian monsoon monitoring

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



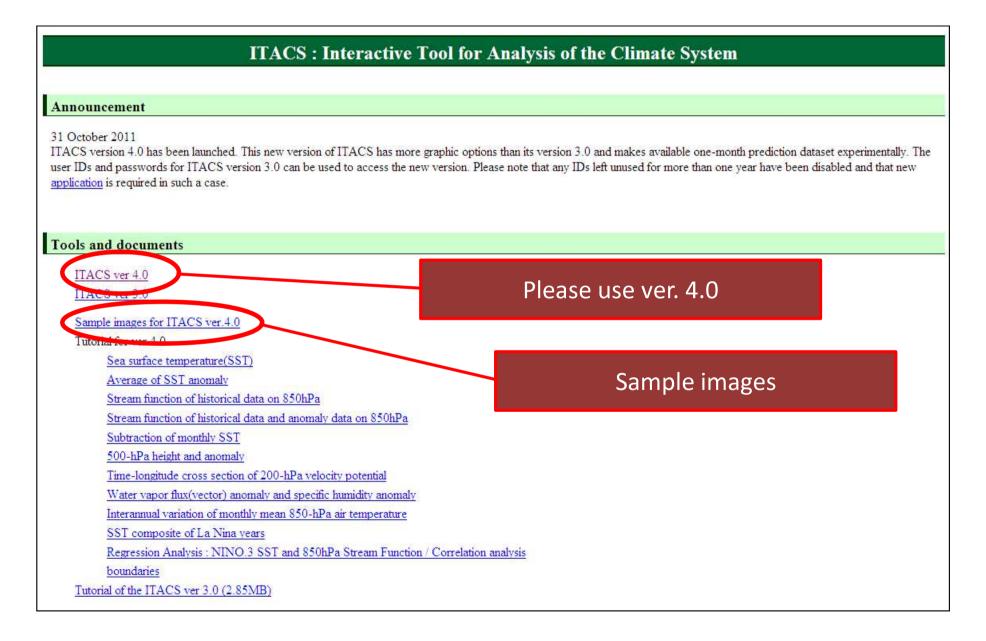
Analysis charts and monitoring indices

http://ds.data.jma.go.jp/tcc/tcc/products/clisys/acmi.html



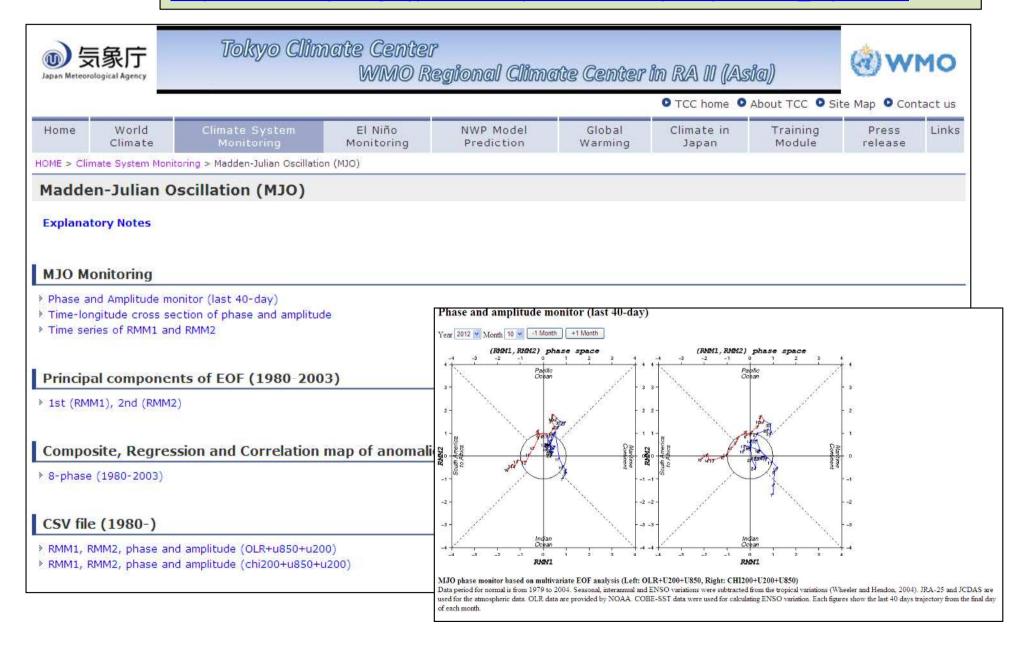
ITACS

http://extreme.kishou.go.jp/tool/itacs-tcc2011/



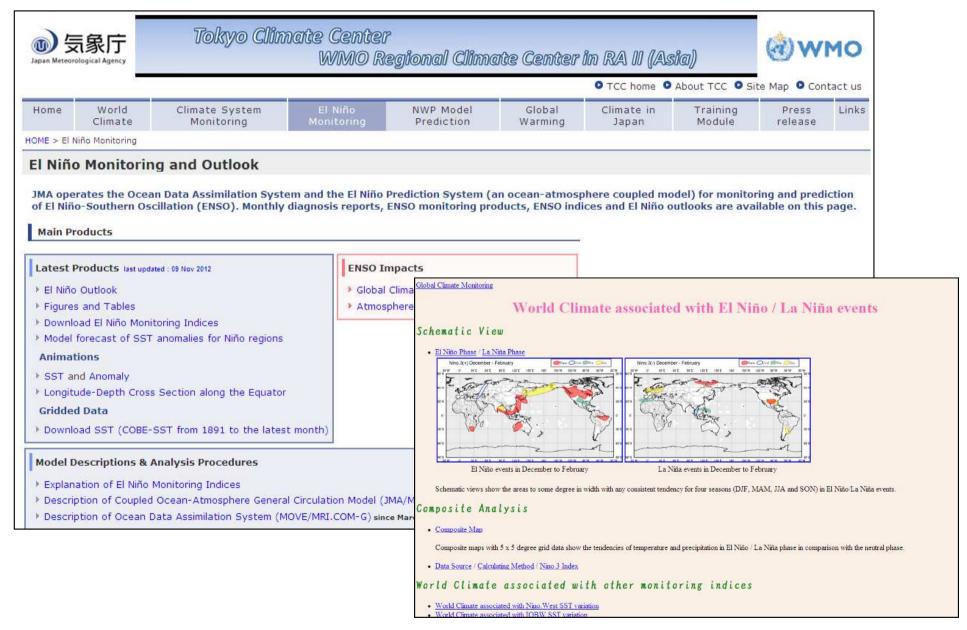
MJO products

http://ds.data.jma.go.jp/tcc/tcc/products/clisys/mjo/moni mjo.html



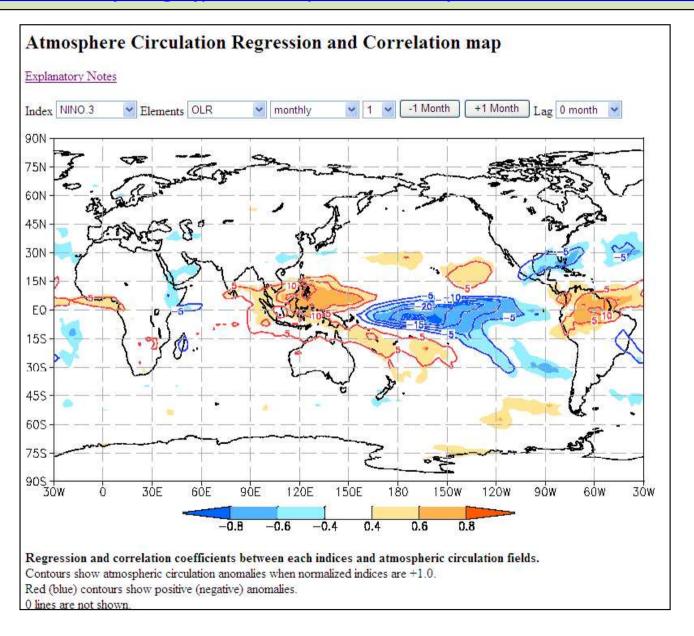
El Niño monitoring

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



Statistical analysis related to ENSO

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



Information on specific climate events

http://ds.data.jma.go.jp/tcc/tcc/products/clisys/ASIA TCC/index.html

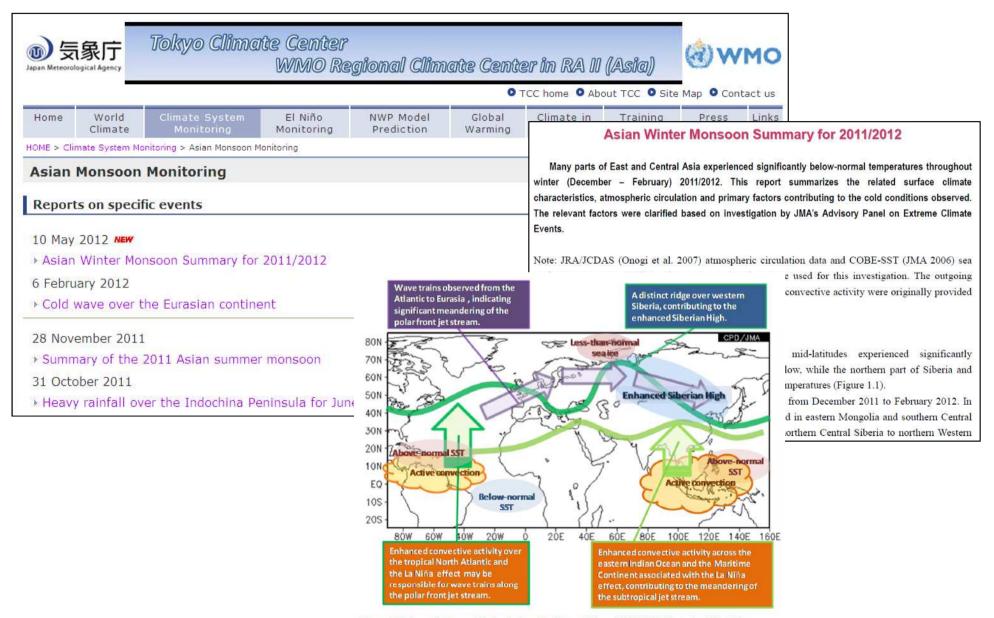


Figure 4.1 Primary factors contributing to the cold winter conditions of 2011/2012 in Central and East Asia

Monthly, seasonal and annual reports on climate system

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

