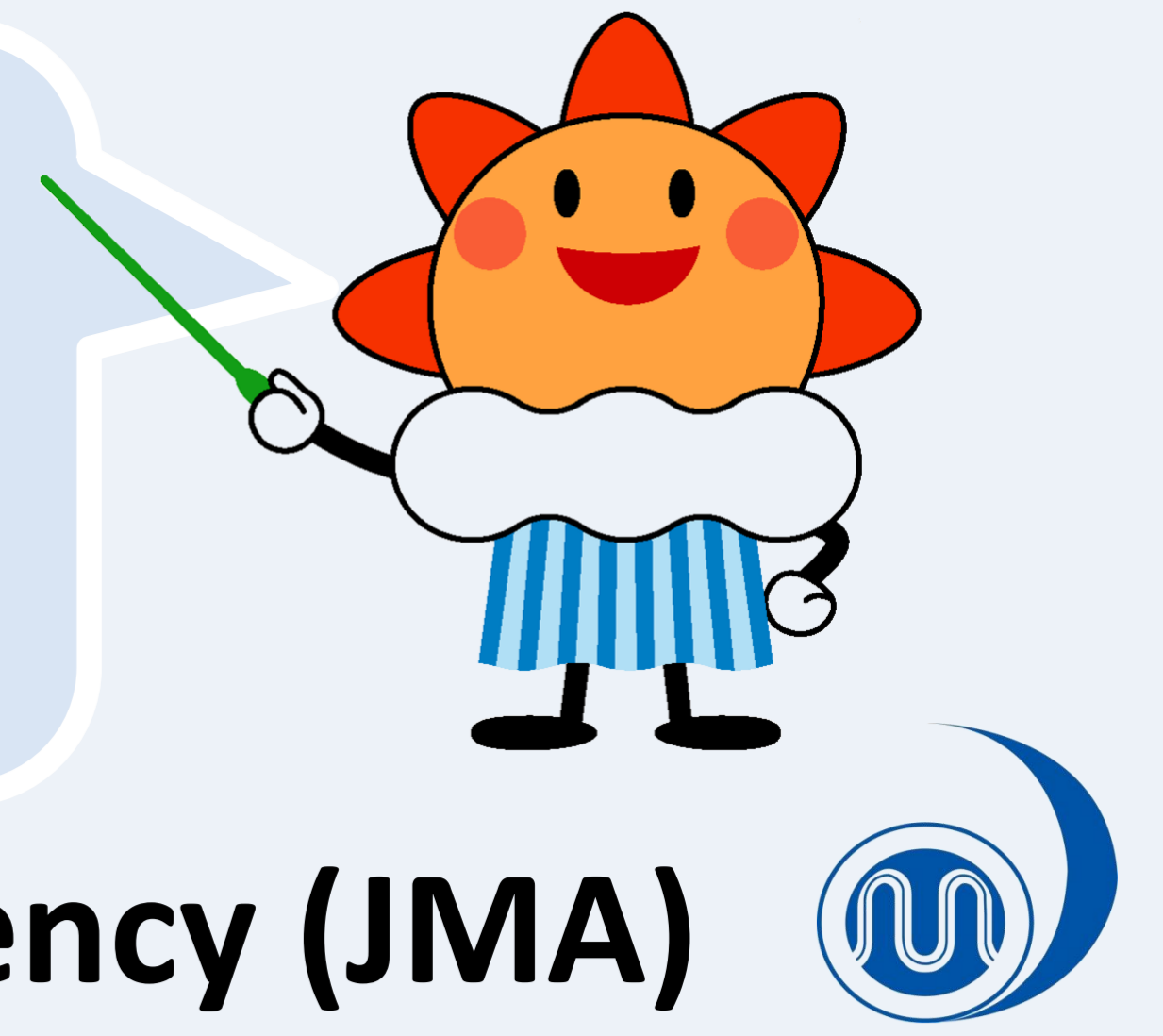


JMA's Contribution to improving Climate Risk Management



Tokyo Climate Center, Japan Meteorological Agency (JMA)

Introduction

Launch of new CRM portal site

Daily life and economic activity are greatly affected by anomalous climatic conditions. The potential for adverse effects from such conditions is referred to as climate risk, and climate risk management (CRM) involves understanding and taking effective measures against it. The Japan Meteorological Agency (JMA) has launched a dedicated website to promote the use of climate information in CRM with the following content:

- Clarification of the basic CRM concept and the related process
- Information on good practices in CRM conducted by JMA together with partner organizations
- Historical data (observations and statistics) and prediction data to support CRM



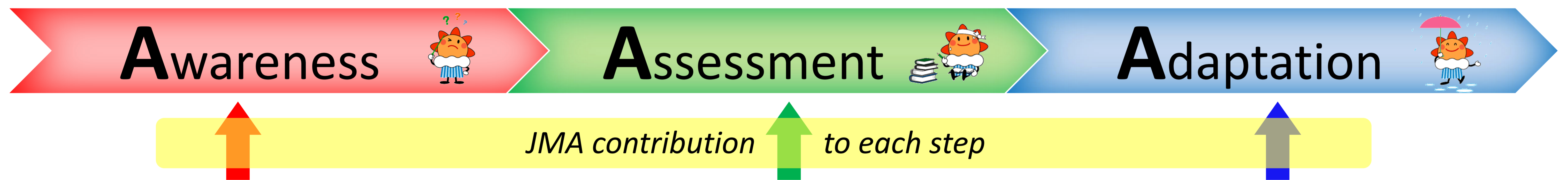
<http://www.data.jma.go.jp/gmd/risk/index.html>

CRM process

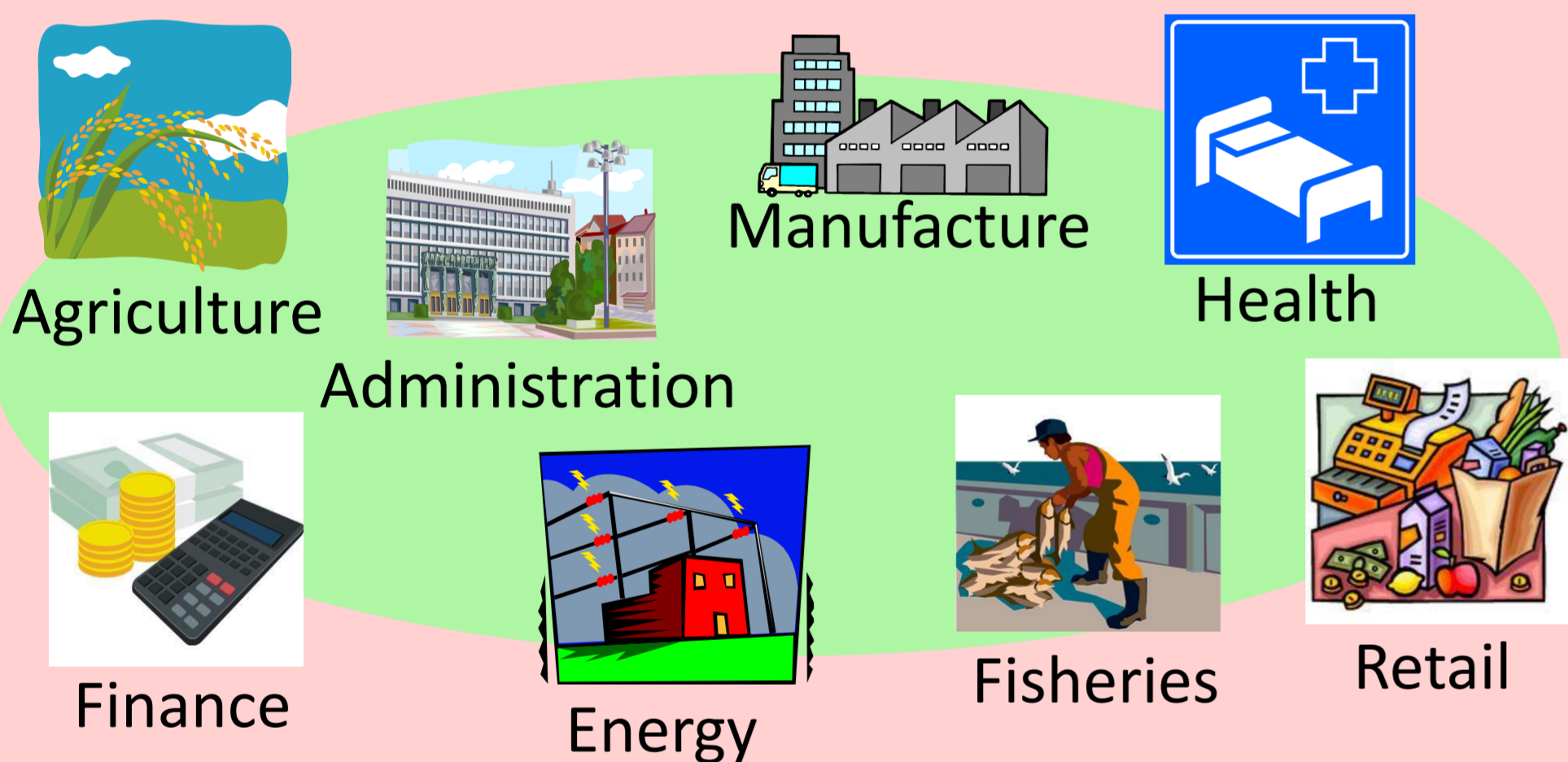
The CRM process consists of the following three steps:

1. Awareness of the climate's influence
2. Assessment to determine the extent of this influence
3. Adaptation using forecast information to reduce adverse influences and increase benefits

JMA provides public- and private-sector operators with extensive support for and advice on CRM in each step.



Develop awareness of CRM in user sectors based on dialogue

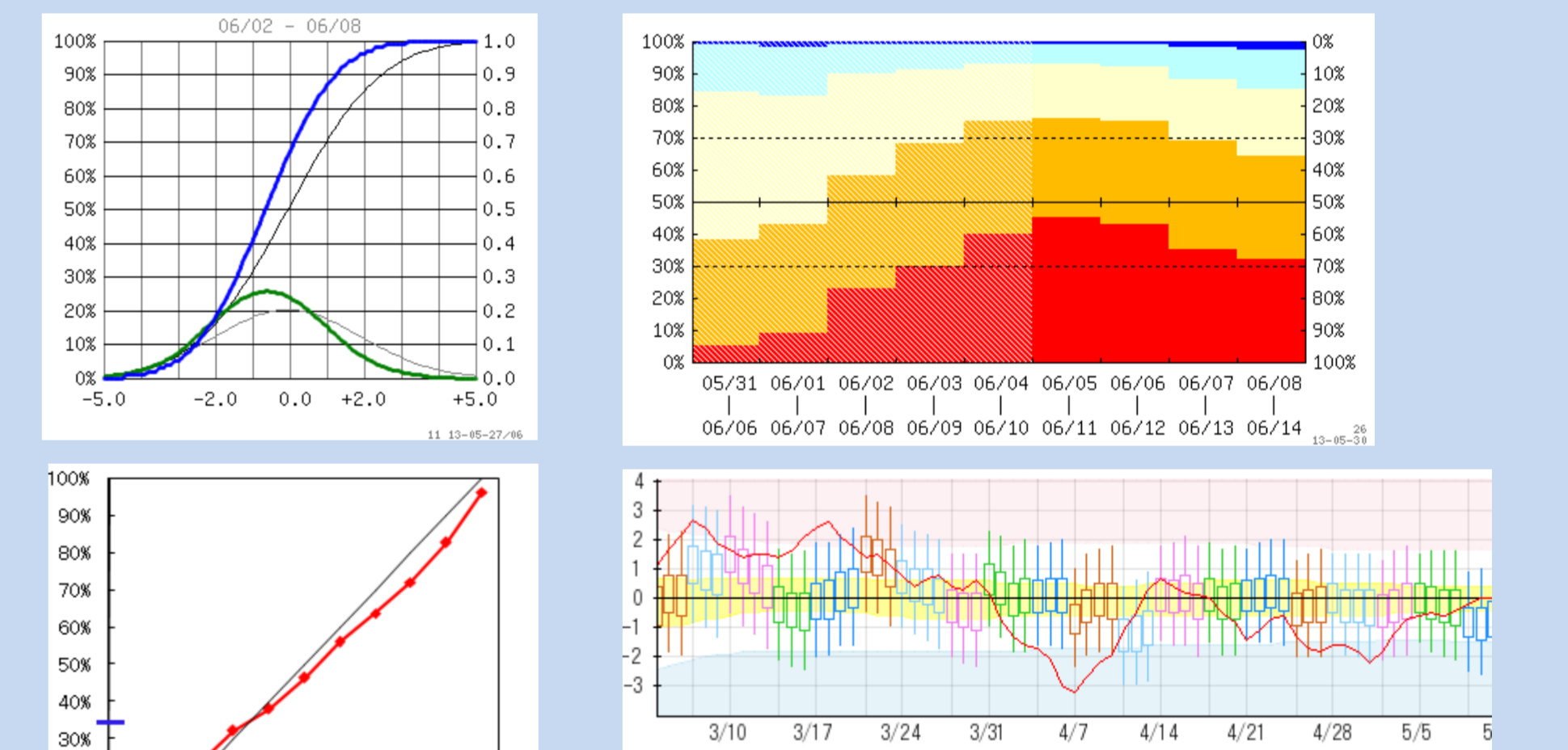


Prepare a climate database and promote its usage for quantitative assessment of climate impact



User-friendly climate database on this website

Provide probabilistic forecast products with verification results for adaptation to climate risk



1-month and 2-week forecast products and verification results

Good practices in CRM based on collaboration with partners

JMA conducts joint research with the National Agricultural and Food Research Organization (NARO) to promote the use of climate information.

Agriculture

New agricultural-meteorological products are made available on the website.



JMA provides maximum temperature data up to two weeks ahead to support electricity generation planning.

Energy

Electricity Demand-Supply Outlook for the Week after Next (As of Friday, June 29)

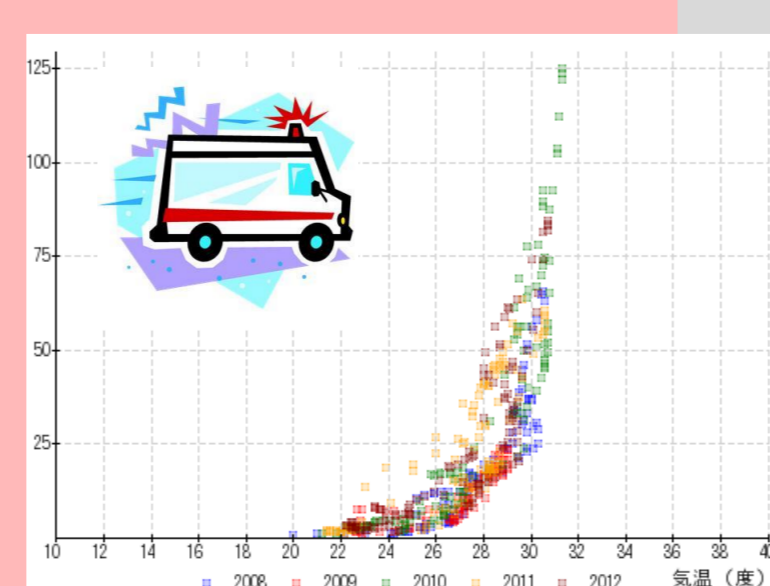
Monday, July 9 – Friday, July 13	
Max. demand forecast	4,470 (x 10 MW)
Max. supply capacity	5,372
Consumption rate	83%

* The maximum power demand outlook is calculated based on the forecast provided by the Japan Meteorological Agency.

The incidence of heat illness has increased rapidly due to a greater number of extremely hot days resulting from global warming and natural climate fluctuations.

Health

JMA issues heat illness early warnings and advisories based on forecast products.



JMA conducts collaborative research with private apparel association JAFIC* toward the development of good practices in climate risk reduction based on knowledge of both sectors.

Retail

A related report to promote awareness of such practices can be downloaded on the CRM website.

* JAFIC : Japan Apparel-Fashion Industry Council

