

Meteorological Service Act: the legal basis for PPE in Japan

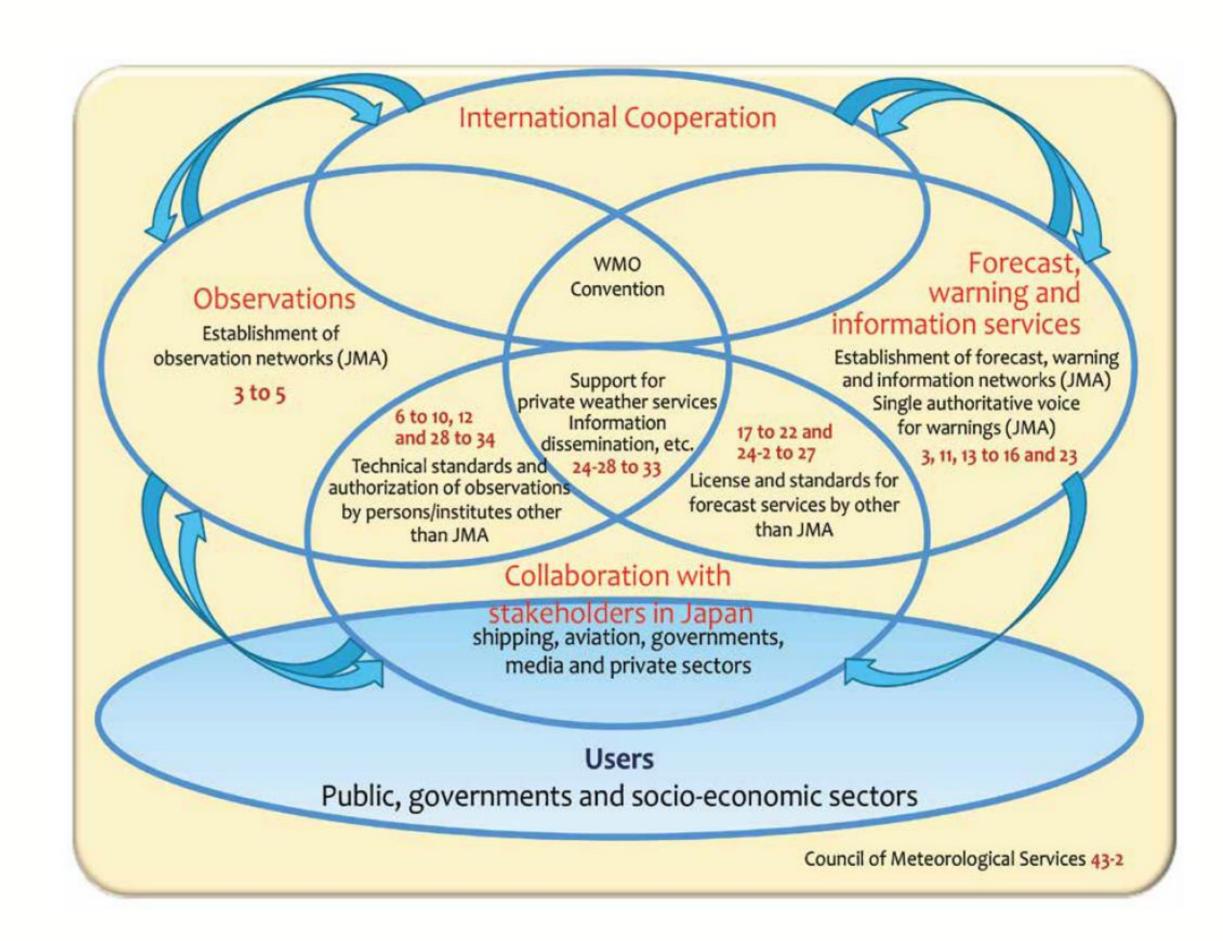


Meteorological Service Act in Japan (enacted in 1952)

- enacted in 1952 and has been amended more than 30 times.
- developed on the premise that the collaboration across the sectors is essential.
- functions as the foundation for the development of meteorological services in Japan over
 70 years!

Key Features

- <u>The purpose of this Act</u>: To ensure the <u>sound development of meteorological services</u> (<u>including those by the private sector</u>) based on the prescription of basic related systems, thereby contributing to promote aspects of public welfare such as disaster prevention, traffic safety and <u>industrial prosperity</u>, and to engage in associated international cooperation efforts.
- <u>Director-General of JMA</u>: responsible for the <u>sound developments of meteorological</u> <u>services as a whole</u>, incl. those by the private sector.
- <u>Advisory Committee</u>: composed of <u>external experts from the public</u>, <u>private</u>, and <u>academic sectors</u>. It is authorized to make <u>recommendations on high-level JMA policies</u>.
- Single Authoritative Voice: Anyone other than JMA shall not issue warnings.



Business model of Meteorological Services in Japan (Advisory Committee Recommendation in 1992)

JMA:

- Responsible for fundamental public services with a focus on warnings for DRR (Single Authoritative Voice)
- Not provides commercial services (Avoiding competition and conflicts of interest)

Licensed weather companies:

- Provide their customers with customized services and also JMA warnings.
- Assign certified weather forecasters.
- The number of licensed weather companies continues to increase (139, as of this moment) since the deregulation in 1992.

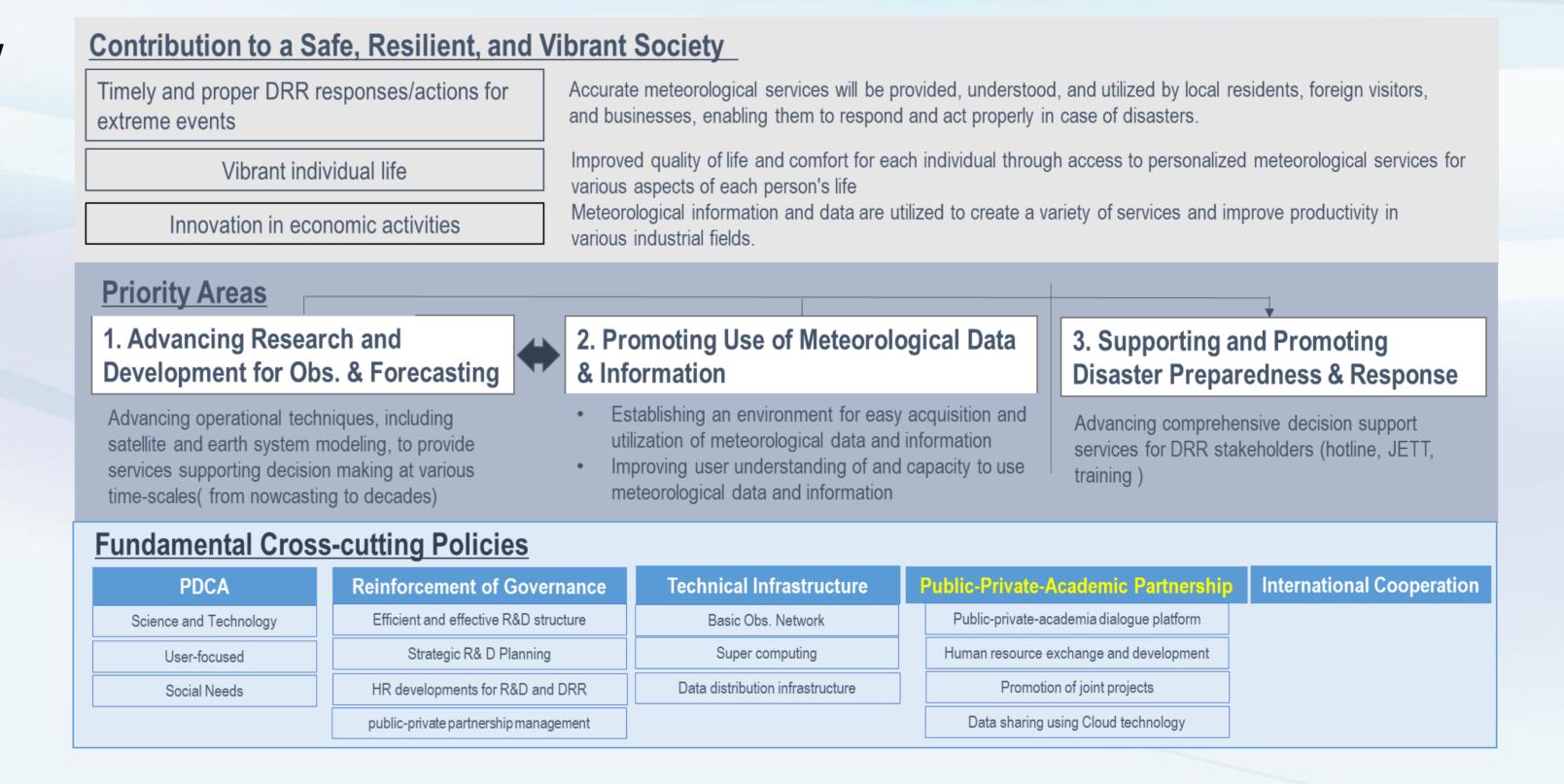
JMA's data/products:

- Provided on a free and unrestricted basis.
- The Japan Meteorological Business Support Center (JMBSC) as the gateway.

Japan Meteorological Agency Observation data, JMA Warnings. Japan Meteorological Business Support Center **Public Weather** NWP data, JMA Warnings, Forecast, etc. Private weather service companies **JMA Warnings** Customized Services Mass media, Internet, etc. Customers JMA Warnings, Value-added Services, etc. **Public**

Vision for Meteorological Services in 2030 (Advisory Committee Recommendation in 2018)

- "Vision for Meteorological Services in 2030" developed by the Advisory Committee in 2018 describes the society to be realized as a "Safe, Resilient, and Vibrant Society," three priority areas, and five fundamental cross-cutting policies.
- The JMA's vision statement updated based on this recommendation.
 - "To contribute to the development of society, through public-privateacademic engagement and international cooperation, by innovating observation and forecasting techniques incorporating cutting-edge technology, and by promoting full use of meteorological information/data in various aspects of everyday life as indispensable and fundamental public soft infrastructure."



Creating advanced

Weather-for-Biz models

Promote use of weather data taking

advantage of developed technologies

Utilize cutting-edge tech. for such business

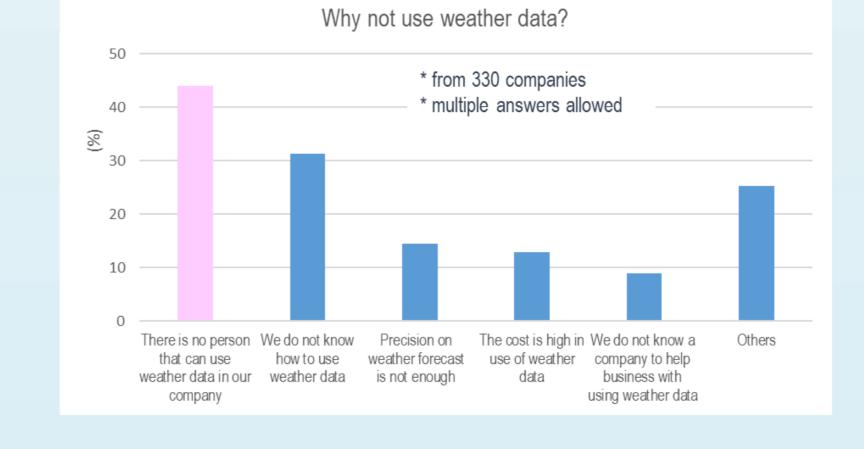
Services

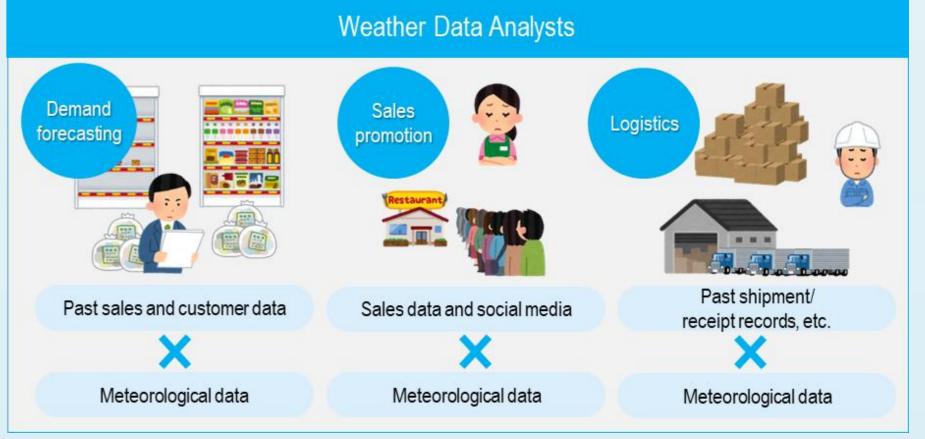
Weather Business Consortium (WXBC) (established in 2017)

- Established in 2017, consists of more than 1,500 weather enterprises including private weather service companies.
- Mission:
 - Creation of new weather business models.
 - Facilitation of weather data utilization in business sectors.
 - Capacity development for weather data handling.

Weather Data Analysts (started in 2021)

 Considering that only 10% of companies use meteorological data for their businesses, JMA accredited "Weather Data Analysts" training programs operated by private companies have been initiated since 2021.





Electricity,

Energy

WXBC

Preparation for weather business

Continual improvement of information thru

Capacity building necessary for business of

Boosting Weather Biz Activities

by joint efforts of industry, academia and government

Related

bodies

Open data)

interaction with users

Weather-for-Biz Forum

Matching between private weather services

and consortium members in various fields

Manufacturi

Constructio

Transport

Finance,

Insurance

Tourism

> Dialogue of industry, academia and

Widespread participation of private enterprises

Agriculture/

Fishery

Commerci

al service