Introduction of the Efforts to Promote Use of Climate Prediction in JMA

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Outline

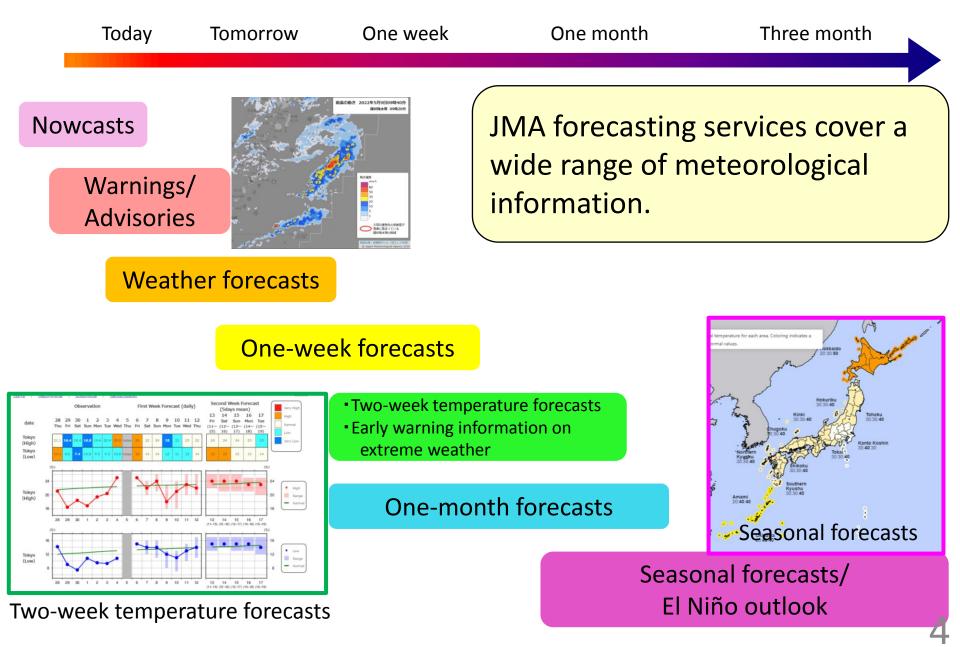
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Introduction and motivations

JMA expects its climate prediction to be used practically at some industrial fields for **assessment** of the influence of extreme weather and climate for the **adaptation**.



\sim JMA Weather/Climate Prediction \sim



\sim Background \sim

We have promoted the utilization of climate prediction against a backdrop of Global Framework for Climate Services (GFCS) by WMO.

So, we have taken activities to develop best practices of the use of climate prediction in collaboration with user-sector organizations (e.g. Agriculture, Apparel, Beverage industry) since 2011.

Success stories from our efforts so far include local agricultural organizations benefiting from two-week temperature forecast, for purposes of fruit flowering date prediction and pest outbreak prediction.

Recently, we also promote the utilization of <u>seasonal (long-</u> range) forecast and time seamlessly by "Dialogue & Sharing knowledge".

Dialogue & Sharing knowledge (recent case 1)

We start cooperative research at Pilot Project to develop best practices of the use of <u>seasonal forecast</u> from 2022 to 2025



NARD: The National Agriculture and Food Research Organization

Dialogue & Sharing knowledge (recent case 2)

- As a strategy for promoting use of long-range forecasts in wider industries, JMA gives online discussion sessions on 3-month forecast just after the issuance.
- The target audience is certificated forecasters working for commercial weather services.
- Our expectation is that this improves forecaster's literacy for climate forecasts (basically they are trained for short-range forecasts) and eventually helps climate services flourish.



private weather forecasters

Summary

2-week temperature forecast is increasingly put to practical use in Japan.

We recently began efforts to promote the utilization of <u>seasonal forecast</u> and time seamlessly by two plans.

- Cooperative research with agricultural research institute (NARO)
- Dialogue and discussion on long-range forecasts for private weather forecasters

The result will be several years later!