

**WMO OMM**

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Ref.: 11592/2024.1.6/ESP

Our ref.: 11592/2024/I/ESP/WIPPS SURVEY

25 July 2024

Annexes: 2 (Annex 1 available in English only)

Subject: Survey on User Requirements for WMO Integrated Processing and Prediction System Web Portal 2.0

Action required: (1) To widely disseminate this information within National Meteorological and Hydrological Services and relevant national organizations in your country or territory that are benefitted or can be benefitted from the WMO Integrated Processing and Prediction System

(2) To provide feedback by filling out the online survey on user requirement for WIPPS Web Portal 2.0, **by 25 August 2024**

Dear Sir/Madam,

The WMO Integrated Processing and Prediction System (WIPPS) is a core component of the WMO global infrastructure on prediction, advisory and other supporting products. WIPPS facilitates the utilization of advancements in the Earth System prediction products by providing a framework for sharing data related to operational Earth System domains, such as weather, climate, hydrology, ocean, and cryosphere etc. so that WMO Members can access various analyses and forecast products.

To achieve several objectives of the [WMO Strategic Plan 2024–2027](#) (WMO-No. 1336), it is essential to access and use analysis, prediction, advisory and other supporting products through WIPPS. It is further recognized that the enhancement of these WIPPS products to fill the gaps for priority hazards are important as the contribution to the United Nations Early Warnings for All initiative ([Resolution 2 \(EC-78\)](#) - WMO Road Map for the Early Warnings for All Initiative).

In December 2021, the current WIPPS web portal was launched, enabling Members to access information on the WIPPS designated centres including the links to their mandatory products. Aiming to further increase the discoverability of the WIPPS products and centralize all information related to the WIPPS designated centres, it is planned to upgrade the portal as the WIPPS Web Portal 2.0 by improving the interface and enhancing the functions of the portal to meet the users' expectation.

To gather user feedback on proposed updates and additional suggestions/expectations for WIPPS Web Portal 2.0, WMO is inviting all staff from National Meteorological and Hydrological Services (NMHSs) and relevant national operational centres who are involved in development, operation, and use of forecasting systems to participate in this survey and share their experience. Please note that each service or centre submits multiple response to the survey.

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers

The survey is available as a [Microsoft Form](#) in all WMO official languages. The introductory presentation is included in [Annex 1](#). The content of the survey is also available in [Annex 2](#) to this letter.

I should be grateful if you could provide us with your valuable feedback, by completing the online survey at your earliest convenience, but preferably not later than **25 August 2024**.

I would also like to urge you to widely disseminate this survey among services/institutions in your country or territory that are WIPPS Centres or users of WIPPS products, encouraging them to provide their feedback by filling out the survey. Your valuable responses will be considered carefully to shape the development of the new portal.

WMO is also looking for a Member who is willing to host this web portal. If you are interested, please contact the WMO Secretariat at WIPPS@wmo.int for more details about the WIPPS Web Portal 2.0 development.

I wish to take the opportunity to convey to you and your Service my appreciation for your continued contribution to the activities of WMO.

Yours faithfully,



Prof. Celeste Saulo
Secretary-General

INTRODUCTORY PRESENTATION ON WIPPS WEB PORTAL 2.0 SURVEY

[\(Link to the presentation\)](#)

Ref.: 11592/2024 I.G/ESP

2024

Survey on WIPPS Web Portal for Enhancing the User Experience

Please complete this survey to help us gather user feedback on the existing portal and gather information on the requirements for the new portal.

[About WIPPS](#) | [Web Portal 1.0](#) | [Web Portal 2.0](#)

What is WIPPS?

WMO Integrated Processing and Prediction System

WIPPS is a core component of the WMO's global infrastructure for prediction, advisory and other supporting products.

WIPPS fulfills the operational requirements of the WMO's global infrastructure for prediction, advisory and other supporting products. It provides a centralised platform for the WMO's global infrastructure for prediction, advisory and other supporting products. It provides a centralised platform for the WMO's global infrastructure for prediction, advisory and other supporting products.

If you would like to know more about WIPPS, please visit our [WIPPS community website](#) for more information.

The current WIPPS Web Portal 1.0

WIPPS Web Portal 1.0

In December 2023, the current WIPPS web portal was launched, enabling users to access WIPPS designated core information while seeking guidance with associated activities or reports. This user and friendly effort is already present information on from the WIPPS Manual (WMO-No. 485), existing WIPPS products and WIPPS Designated Centres (WIPPS-DC).

Limitations and challenges

- New website portal is still under development and the WIPPS Manual is outdated, which may complicate the WIPPS navigation and access.
- The current version of the portal is not fully accessible to users with disabilities, which may hinder the usability and accessibility of the portal.

Development of WIPPS Web Portal 2.0

Objectives

TO FACILITATE USERS TO SEARCH AND BROWSE WIPPS PRODUCTS EFFICIENTLY. The updated portal will provide a more user-friendly, accessible, and easy-to-use interface. It will increase the discoverability and usability of the portal, making it easier for users to find the products they are looking for.

The specific objectives of WIPPS Web Portal 2.0 are to:

- Provide a more user-friendly and accessible interface.
- Provide a more efficient search and browse experience.
- Provide a more secure and reliable platform.
- Provide a more user-centric and transparent interface.

Details of WIPPS Web Portal 2.0 Survey

aim

- To assess user familiarity and collect user feedback for designing the new WIPPS web portal.

respondent

- All staff who are involved in development, operation and use of forecasting systems or participate in WIPPS survey.

timeline

- From July – 25 August 2024 (only responses received by 25 August 2024 will be considered for review).

how

- Responses can be submitted through Microsoft Forms or by clicking the link for the professional using the Microsoft Forms.

Contact to WMO Secretariat

We are looking for a Member who is willing to host the web portal. If you are interested, please contact us at WIPPS@wmo.int for more details about the WIPPS web portal 2.0 development.

SURVEY ON WMO INTEGRATED PROCESSING AND PREDICTION SYSTEM (WIPPS) WEB PORTAL FOR ENHANCING USER EXPERIENCE

Ref.: 11592/2024.1.6 I/ESP

Instructions on how to fill in the survey.

In this survey the term “your agency” refers to, in principle, a National Meteorological and Hydrological Service (NMHS), but also refers to relevant national operational centres. WMO is inviting all staff from your agency who are involved in development, operation, and use of forecasting systems to participate in this survey and share their experience.

As the survey is implemented in Microsoft Forms, please prepare your responses in advance as you will not be able to edit them once you have started the survey. The content of the survey is being made available in all WMO languages to ease the preparation of the replies. Please note that the language used in the online survey may differ from this Annex 2 due to the use of the multilanguage support in Microsoft Forms.

This online survey typically takes about 15 minutes to complete and should be completed at your earliest convenience, but no later than **25 August 2024**.

The survey contains some short explanations regarding several questions, though if those explanations are not clear, please contact the WMO Secretariat (WIPPS@wmo.int) for additional clarifications.

A. General information

1. Member:
2. Agency:
3. Region (Regional Association):

[Q. 4–8] Respondent details

4. Name:
5. Job title, Affiliation:
6. Email:
7. Role (please select the most relevant role):
 - (1) Model developer
 - (2) Forecaster
 - (3) System operator
 - (4) Administrator
 - (5) Researcher
8. Related Earth System domain (please select the primary domain):
 - (1) Weather
 - (2) Climate
 - (3) Hydrology
 - (4) Ocean
 - (5) Cryosphere
 - (6) Atmospheric composition

B. Current WIPPS web portal

[Q. 9–16] The following questions are intended to assess the use of the current web portal. Please respond with either "Yes" or "No".

9. Did you know about the WIPPS Web Portal before receiving this survey?
10. Have you ever accessed the current WIPPS web portal?
11. Do you know how to discover products on the WIPPS web portal?
12. Do you know how to access the WIPPS product using the information provided by the WIPPS web portal?
13. Are you or any technical staff in your organization familiar with handling WIPPS products?
14. Have you searched a WIPPS graphical or digital product using the WIPPS web portal?
15. If you answered 'Yes' to Question 14, were you able to find the product you were looking for?
16. If you answered 'No' to Question 15, Please tell us about any difficulties you experienced if you could not find the product.

[Q. 17–19] The following questions are intended to assess users' familiarity with using the current web portal. Find the link to the current WIPPS web portal [here](#). Please respond to the following questions using a single digit or a two-digit number.

17. How many WIPPS designated centres are there in Region I (Africa)?
18. How many WIPPS Centres are designated for the global deterministic numerical weather prediction?
19. How many WIPPS Centres are designated for the global ensemble numerical weather prediction in your Region?

[Q.20–22] Based on your experience to answer previous questions, please rate your familiarity/easiness/accessibility with the current WIPPS web portal with numbers.

20. How **familiar** are you with the current WIPPS web portal?
 - (1) Completely unfamiliar
 - (2) Unfamiliar
 - (3) Fairly familiar
 - (4) Familiar
 - (5) Very familiar
21. How **easy** is it for you to discover data on the WIPPS web portal?
 - (1) Very difficult
 - (2) Difficult
 - (3) Fairly easy
 - (4) Easy
 - (5) Very easy

22. How **accessible** do you find the WIPPS web portal for accessing Centre's information?

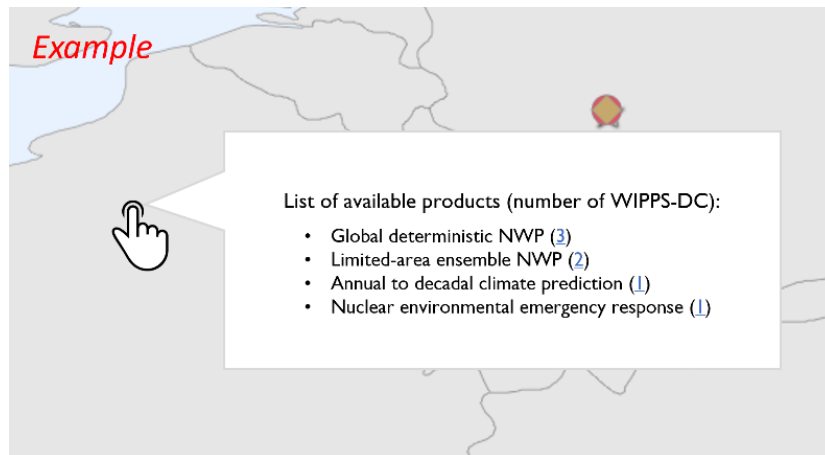
- (1) Completely inaccessible
- (2) Inaccessible
- (3) Fairly accessible
- (4) Accessible
- (5) Very accessible

C. Proposed updates for Web Portal 2.0

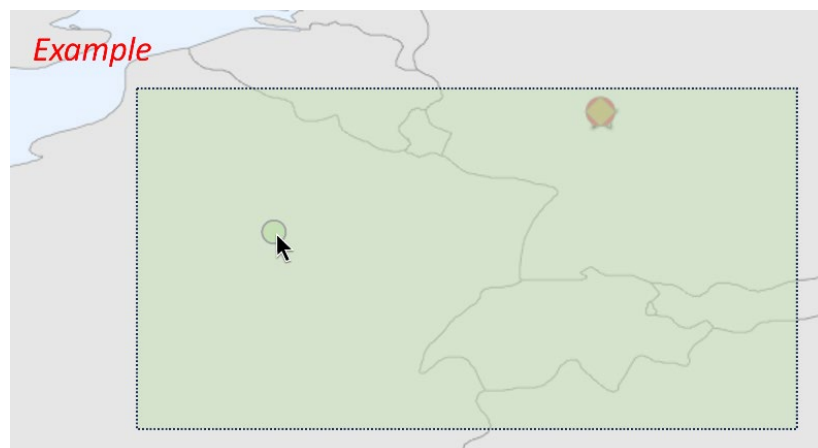
[Q. 23–27] The WMO Secretariat is planning to update the WIPPS web portal with new functions. Please provide your response in free text except Q. 23.

23. There are some proposed functions. Please select the two most useful proposed functions.

- (a) Users can find available WIPPS products by clicking location on the map (see example below)



- (b) Users can see product domain (coverage) of each WIPPS product (see example below)



- (c) Users can search WIPPS products by its name (e.g. geopotential height (850hPa), significant wave height, dust load, etc.)
- (d) Users can find all available WIPPS graphical products.

24. *(Optional)* Please suggest any additional necessary **functions** that have not been mentioned above, if any.
25. *(Optional)* Please suggest ideas to improve the **interface** of the web portal to facilitate access to the information.
26. *(Optional)* If you have experienced a good example of a web portal, please share the link here for reference.
