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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS**  **Second Session** 24 to 28 October 2022, Geneva | **INFCOM-2/Doc. 6.4(1)** |
| Submitted by: Chair of SC-ESMP  10.X.2022  **DRAFT 1** |

**AGENDA ITEM 6: TECHNICAL REGULATIONS AND OTHER TECHNICAL DECISIONS**

**AGENDA ITEM 6.4: Standing Committee on Data Processing for Applied Earth System Modelling and Prediction (SC-ESMP)**

# Seamless Global Data-processing and Forecasting System (GDPFS) Roadmap with the new name of GDPFS

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| **Summary** |
| **Document presented by:** Co-chair of Joint Expert Team on Earth System Implementation (JET-ESI) under Standing Committee on Data Processing for Applied Earth System Modelling and Prediction (SC-ESMP)  **Strategic objective 2020–2023:** 2.3 Enable access and use of numerical analysis and Earth system prediction products at all temporal and spatial scales from the WMO seamless Global Data-processing and Forecasting System  **Financial and administrative implications:** within the parameters of the Strategic and Operational Plans 2020–2023, will be reflected in the Strategic and Operational Plans  2024–2027  **Key implementers:** INFCOM, in consultation with SERCOM, RB and RAs  **Time frame:** 2023–2027  **Action expected:** review the proposed draft recommendation |

# DRAFT RECOMMENDATION

## Draft Recommendation 6.4(1)/1 (INFCOM-2)

### Seamless GDPFS Roadmap with the new name of GDPFS

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling:**

1. [Resolution 11 (Cg-17)](https://library.wmo.int/doc_num.php?explnum_id=3138#page=269) – Towards a future enhanced integrated and seamless Data‑processing and Forecasting System, (2015),
2. [Resolution 17 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645#page=152) – Seamless Data-Processing and Forecasting System, (2017),
3. [Decision 40 (EC-70)](https://library.wmo.int/doc_num.php?explnum_id=4981#page=211) – Further development of a seamless Global Data-processing and Forecasting System Implementation Plan, (2018), requesting renaming the future Global Data-processing and Forecasting System (GDPFS) in a way that would be easy to pronounce and that conveys information on the System, similar to its WWW sister programmes which evolved from the Global Telecommunication System (GTS) to the WMO Information System (WIS) and from Global Observing System (GOS) to WIGOS,
4. [Resolution 58 (Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827#page=193) – Future Integrated Seamless Global Data-processing and Forecasting System collaborative framework, (2019), requesting EC to continue to oversee the implementation of Seamless GDPFS and report on progress,
5. [Resolution 8 (EC-75)](https://meetings.wmo.int/EC-75/_layouts/15/WopiFrame.aspx?sourcedoc=%2FEC%2D75%2FEnglish%2F2%2E%20PROVISIONAL%20REPORT%20%28Approved%20documents%29%2FEC%2D75%2Dd08%2DREVIEW%2DOF%2DPAST%2DRESOLUTIONS%2Dapproved%5Fen%2Edocx&action=view&wdparaid=5BA11207) – Review of previous resolutions and decisions of the Executive Council, requesting consolidation of relevant resolutions and decisions,

**Recalling also** the following open recommendations already noted in [Resolution 17 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645#page=152):

1. [Decision 27 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=141/) – Implementation Plan of the future seamless Data-Processing and Forecasting System,
2. [Recommendation 37 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1053) – Resources for the implementation of the seamless Data‑processing and Forecasting System,
3. [Recommendation 38 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1054) – Steering Group on the Seamless Data-processing and Forecasting System – areas for consideration,
4. [Recommendation 43 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1059) – Continuance of the work of the Executive Council Steering Group on the Seamless Data-processing and Forecasting System,

**Noting** that:

1. The Standing Committee on Data Processing for Applied Earth System Modelling and Prediction (SC-ESMP) addressed the following tasks, taking into account the main action areas and key priorities identified in the Seamless GDPFS Collaborative Framework,
   * In the area of ‘System and Services’, the development of the compliance review process for Regional Specialized Meteorological Centres (RSMCs) (draft Recommendation [draft Recommendation 6.4(3)/1(INFCOM-2](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-4(3)-RENEWAL-GDPS-GUIDE-WMO-NO-305-draft1_en.docx&action=default))) and the [*Guide on the Global Data-Processing System (GDPS*](https://library.wmo.int/index.php?lvl=notice_display&id=6832)*)* (WMO-No.305) ([draft Recommendation 6.4(3)/2(INFCOM-2)](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-4(3)-RENEWAL-GDPS-GUIDE-WMO-NO-305-draft1_en.docx&action=default)),
   * In the area of ‘Accessibility and Web platform’, the launch of the GDPFS Web Portal, analysis of Members’ access to GDPFS products through Data Collection Campaign 2021, the online survey on requirements for NWP data and products (2022) and the GDPFS Symposium on Requirements for NWP data and products (2022) ([draft Recommendation 6.4(2)/1(INFCOM-2)](https://meetings.wmo.int/INFCOM-2/English/Forms/AllItems.aspx?RootFolder=%2FINFCOM%2D2%2FEnglish%2F1%2E%20DRAFTS%20FOR%20DISCUSSION&FolderCTID=0x012000DFD47F9206CDD640A4FDFBAA2EB0EF6E&View=%7BDBBC48FA%2DBEE2%2D4A94%2D8905%2DFBE98B87E342%7D)),
   * In the area of ‘Research and Innovation’, establishment of new GDPFS activities in Earth system domains ([draft Recommendation 6.4(2)/2(INFCOM-2))](https://meetings.wmo.int/INFCOM-2/English/Forms/AllItems.aspx?RootFolder=%2FINFCOM%2D2%2FEnglish%2F1%2E%20DRAFTS%20FOR%20DISCUSSION&FolderCTID=0x012000DFD47F9206CDD640A4FDFBAA2EB0EF6E&View=%7BDBBC48FA%2DBEE2%2D4A94%2D8905%2DFBE98B87E342%7D), new centre designations for sub-seasonal and long range forecasts ([draft Recommendation 6.4(2)/3(INFCOM-2)](https://meetings.wmo.int/INFCOM-2/English/Forms/AllItems.aspx?RootFolder=%2FINFCOM%2D2%2FEnglish%2F1%2E%20DRAFTS%20FOR%20DISCUSSION&FolderCTID=0x012000DFD47F9206CDD640A4FDFBAA2EB0EF6E&View=%7BDBBC48FA%2DBEE2%2D4A94%2D8905%2DFBE98B87E342%7D)),
2. The WMO Tropical Cyclone-Probabilistic Forecast Products (TC-PFP) Pilot Project was endorsed as the first Seamless GDPFS pilot project,
3. The SC-ESMP Joint Expert Team on Earth System Implementation (JET-ESI) led the development of a Seamless GDPFS Roadmap to accelerate the evolution of GDPFS,

**Having examined:**

1. The Seamless GDPFS Roadmap (2022-2026) as provided in INF.6.4(1),
2. The proposal from SC-ESMP for the WMO Integrated Processing and Prediction System (WIPPS) to become the new name of the future GDPFS,

**Decides:**

1. to adopt WIPPS as the new name and acronym of the future GDPFS;
2. to replace the term ‘Seamless GDPFS (S/GDPFS)’ with ‘WIPPS’ in the Seamless GDPFS Roadmap (2022-2026) (INF.6.4(1));

**Recommends** to Congress the adoption of the name, *WMO Integrated Processing and Prediction System (WIPPS),* throughthe draft resolution provided in the [Annex](#Annex) to the present Recommendation;

**Requests** the SC-ESMP to promote the use of the new name, WIPPS, where applicable.

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## Annex to draft Recommendation 6.4(1)/1 (INFCOM-2)

**Draft Resolution ##/1 (Cg-19)**

### WMO Integrated Processing and Prediction System (WIPPS)

THE WORLD METEOROLOGICAL CONGRESS,

**Recalling** [Resolution 11 (Cg-17)](https://library.wmo.int/doc_num.php?explnum_id=3138#page=269) – Towards a future enhanced integrated and seamless Data‑processing and Forecasting System, (2015), [Resolution 17 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645#page=152) – Seamless Data‑processing and Forecasting System (2017), [Decision 40 (EC-70)](https://library.wmo.int/doc_num.php?explnum_id=4981#page=211) – Further development of a seamless Global Data-processing and Forecasting System Implementation Plan, (2018), [Resolution 58 (Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827#page=193) – Future Integrated Seamless Global Data-processing and Forecasting System collaborative framework (2019), [Resolution 8 (EC-75)](https://meetings.wmo.int/EC-75/_layouts/15/WopiFrame.aspx?sourcedoc=%2FEC%2D75%2FEnglish%2F2%2E%20PROVISIONAL%20REPORT%20%28Approved%20documents%29%2FEC%2D75%2Dd08%2DREVIEW%2DOF%2DPAST%2DRESOLUTIONS%2Dapproved%5Fen%2Edocx&action=view&wdparaid=5BA11207) – Review of previous resolutions and decisions of the Executive Council, requesting consolidation of relevant resolutions and decisions,

**Recalling also** [Decision 27 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=141/) – Implementation Plan of the future seamless Data‑processing and Forecasting System, [Recommendation 37 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1053) – Resources for the implementation of the seamless Data-processing and Forecasting System, [Recommendation 38 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1054) – Steering Group on the Seamless Data-processing and Forecasting System – areas for consideration, [Recommendation 43 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1059) – Continuance of the work of the Executive Council Steering Group on the Seamless Data-processing and Forecasting System,

**Having examined** [Recommendation 6.4(1)/1 (INFCOM-2)](#_Draft_Recommendation_6.4(1)/1),

**Welcomes** the progress of implementation of Seamless GDPFS following the Seamless GDPFS Collaborative Framework (Annex of [Resolution 58(Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827/#page=194));

**Takes note of:**

1. The decision by INFCOM to adopt WIPPS as the new name of the future GDPFS;
2. The development of the WIPPS Roadmap (2022–2026) as provided as INF.;

**Decides** to renamethe Seamless GDPFS Collaborative Framework (Annex of [Resolution 58   
(Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827/#page=194)) as the WIPPS Collaborative Framework;

**Encourages** INFCOM to accelerate the evolution of WIPPS following the WIPPS Roadmap and WIPPS Collaborative Framework;

**Requests** the Executive Council to continue to oversee the implementation of WIPPS and report on progress;

**Urges** Members to develop pilot projects identified in the WIPPS Collaborative Framework and the Roadmap.

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Note: This resolution replaces [Resolution 11 (Cg-17)](https://library.wmo.int/doc_num.php?explnum_id=3138#page=269) – Towards a future enhanced integrated and seamless Data‑processing and Forecasting System, [Resolution 17 (EC-69)](https://library.wmo.int/doc_num.php?explnum_id=3645#page=152) – Seamless Data-processing and Forecasting System, [Decision 40 (EC-70)](https://library.wmo.int/doc_num.php?explnum_id=4981#page=211) – Further development of a seamless Global Data-processing and Forecasting System Implementation Plan, [Resolution 58 (Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827/#page=193) – Future Integrated Seamless Global Data-processing and Forecasting System collaborative framework, [Decision 27 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=141/) – Implementation Plan of the future seamless Data-processing and Forecasting System, [Recommendation 37 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1053) – Resources for the implementation of the seamless Data‑processing and Forecasting System, [Recommendation 38 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1054/) – Steering Group on the Seamless Data‑processing and Forecasting System – areas for consideration, and [Recommendation 43 (CBS-16)](https://library.wmo.int/doc_num.php?explnum_id=3505/#page=1059) – Continuance of the work of the Executive Council Steering Group on the Seamless Data-processing and Forecasting System, which are no longer in force.

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