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| 天气 气候 水 | **世界气象组织**  **执行理事会**  **第七十六次届会** 2023年2月27至3月3日，日内瓦 | **EC-76/文件3.2(9)** |
| 提交者：  会议主席  2023.2.28  **APPROVED** |

**议题3： 实施大会决定：技术事项**

**议题3.2: 长期目标2：地球系统观测和预测**

# 全球长期预报制作中心（GPC-LRF）、全球次季节预报制作中心（GPC-SSF）以及次季节预报多模式集合协调牵头中心（LC-SSFMME）的指定



# 决议草案

## 决议草案 3.2(9)/1 (EC-76)

**全球长期预报制作中心（GPC-LRF）、全球次季节预报制作中心（GPC-SSF）以及次季节预报多模式集合协调牵头中心（LC-SSFMME）的指定**

执行理事会，

**忆及**[决议23 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11009#page=311) – 修订《全球资料处理和预报系统》（WMO-No. 485）并指定新的全球数据处理和预报系统中心，

**审查了**[建议6.4(2)/3 (INFCOM-2)](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/Chinese/2.%20PR%20-%20%E4%B8%B4%E6%97%B6%E6%8A%A5%E5%91%8A%EF%BC%88%E6%89%B9%E5%87%86%E7%9A%84%E6%96%87%E4%BB%B6%EF%BC%89/INFCOM-2-d06-4(2)-AMENDMENTS-TO-GDPFS-MANUAL-WMO-NO-485-approved_zh.docx&action=default) - 全球长期预报制作中心（GPC-LRF）、全球次季节预报制作中心（GPC-SSF）以及次季节预报多模式集合协调牵头中心（LC-SSFMME）的指定，

**同意**修订《[全球数据处理和预报系统](https://library.wmo.int/index.php?lvl=notice_display&id=12793)手册》（WMO-No. 485），见本决议的[附件](#_Annex_to_draft_7)。

**授权**秘书长与INFCOM主席协商对《[全球数据处理和预报系统](https://library.wmo.int/index.php?lvl=notice_display&id=12793)手册》（WMO-No. 485）进行编辑性修订。

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[附件：1](#_Annex_to_draft_7)份 （仅以英文提供）

## Annex to draft Resolution 3.2(9)/1 (EC-76)

## Designation of Global Producing Centres for Long-range Forecasts (GPC-LRF), Sub‑seasonal Forecasts (GPC-SSF) and Lead Centre for the coordination of multimodel ensembles for sub-seasonal forecasts (LC-SSFMME)

*[Proposed amendments are highlighted in addition or ~~deletion~~ to the Manual in the Global Data‑processing and Forecasting System (WMO-No. 485) and the numbering of the text below refers to the Manual.]*

SECTION: Chapter

Chapter title in running head: PART II. SPECIFICATIONS OF GLOBAL DATA-…

APPENDIX 2.2.43. Minimum information to be available from the Lead Centre(s) for SUB SEASONAL forecast multimodel ensembles

1. Global Producing Centre digital products

Global fields of forecast and hindcast *[Hong Kong, China]* ~~anomalies~~ as supplied by GPCs-SSF, including (for GPCs that allow redistribution of their digital data) ~~weekly~~ ~~mean anomalies for ensemble mean~~ daily fields from ~~in the~~ individual forecasts for at least each of the four weeks following the ~~week of submission~~forecast initialization date:

(a) Surface (2‑m) temperature;

(b) SST;

(c) Total precipitation rate;

(d) MSLP;

(e) 850 hPa temperature;

(f) 500 hPa geopotential height;

(g) 850 and 200 hPa wind (zonal and meridional);

(h) Outgoing long‑wave radiation at the top of the atmosphere;

(i) 10 hPa zonal wind.

Note: Definitions of the content and format for the supply of data to the Lead Centre(s) for SSFMME by GPCs and terms of exchange are available on the Lead Centre(s) website(s).

2. Graphical products

Plots and maps for each GPC forecast displayed in common format on the Lead Centre(s) website(s), for the variables listed in HYPERLINK: Paragraph <Appendix 2.2.41> and for selectable regions where appropriate,

for weeks 1, 2, 3–4 and 1–4:

(a) Ensemble mean anomalies;

(b) Probabilities for the tercile forecast categories;

(c) Model consistency plots, that is, maps showing the proportion of models predicting the same sign anomaly;

(d) Multi‑model probabilities for tercile forecast categories.

for intraseasonal variability:

(a) Diagrams presenting each GPC forecast of the tropical intraseasonal variability such as the Madden–Julian Oscillation.

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SECTION: Chapter

Chapter title in running head: PART II. SPECIFICATIONS OF GLOBAL DATA-…

APPENDIX 2.2.44. Access to Global Producing Centre for Sub‑seasonal Forecasts data and visualization products held by the lead centre(s) for sub‑seasonal forecast multi‑model ensembles

(a) Access to GPC‑SSF data ~~and graphical products~~ from the Lead Centre(s) for SSFMME website(s) will be password protected.

(b) Digital GPC‑SSF data will be redistributed only in cases where the GPC‑SSF data policy allows it. In other cases, requests for GPC‑SSF digital output should be directed to the relevant GPC‑SSF.

(c) Formally designated GPCs‑SSF, GPCs‑LRF and RCCs, NMHSs and institutions coordinating RCOFs are eligible for password‑protected access to information held and produced by the Lead Centre(s) for SSFMME. Entities that are in demonstration phase to seek designation as GPCs or RCCs are also eligible for password‑protected access to information held and produced by the Lead Centre(s) for SSFMME, provided a formal notification has been issued in this regard by the WMO Secretary‑General.

(d) Institutions other than, but providing contributions to, those identified in (c) may also request access to Lead Centre(s) for SSFMME products. These institutions, referred to as “supporting institutions”, which include research centres, require endorsement letters from: (i) the Permanent Representative of the country where they are hosted, and (ii) the executive manager of the entity they wish to provide contributions to (that is, RCCs, institutions coordinating RCOFs and NMHSs). The use by supporting institutions of products from the Lead Centre(s) for SSFMME is restricted to assistance of the organizations identified in (c) in their production of official forecast outputs. Supporting institutions may not use such products to generate and display or disseminate independent forecast products. Supporting institutions must agree with these restrictions to be eligible for access. Prior to access being granted to an applicant supporting institution, the Lead Centre(s) for SSFMME will refer the application to the INFCOM/ET‑OCPS through the WMO Secretariat, for final consultation and review. Decisions to allow access must be unanimous. The Lead Centre(s) will be informed by the WMO Secretariat of such new users accepted for access.

(e) A list of users provided with password access will be maintained by the Lead Centre(s) for SSFMME and reviewed periodically by the INFCOM/ET‑OCPS, to measure the degree of effective use and also to identify any changes in status of eligible users, and determine further necessary follow‑up.

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Chapter title in running head: PART III. GLOBAL DATA-PROCESSING AND FO…

PART III. Current designated Global Data‑processing and Forecasting System Centres

3. The Regional Specialized Meteorological Centres for general purpose activities are:

Limited-area ensemble numerical weather prediction:

RSMC Offenbach

RSMC Rome

Global numerical sub‑seasonal forecasts

GPC ECMWF

Global numerical long-range prediction:

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| --- | --- |
| GPC Beijing | GPC Offenbach |
| GPC CMCC (Italy) | GPC Pretoria |
| GPC CPTEC (Brazil) | GPC Pune |
| GPC ECMWF | GPC Seoul |
| GPC Exeter | GPC Tokyo |
| GPC Melbourne | GPC Toulouse |
| GPC Montreal | GPC Washington |
| GPC Moscow |  |

Acronyms not previously defined: CMCC – Centro Euro‑Mediterraneo sui Cambiamenti Climatici; CPTEC – Centro de Previsão de Tempo e Estudos Climáticos.

4. The Regional Specialized Meteorological Centres for specialized activities are:

Coordination of multi‑model ensembles for sub‑seasonal forecasts

ECMWF

Coordination of multi‑model ensemble prediction for long-range forecasts:

Seoul and Washington (joint centre)

Coordination of annual to decadal climate prediction:

Exeter

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