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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR WEATHER, CLIMATE, WATER AND RELATED ENVIRONMENTAL SERVICES AND APPLICATIONS**  **Second Session** 17 to 21 October 2022, Geneva | **SERCOM-2/Doc. 5.11** |
| Submitted by:  Chair  20.X.2022  **APPROVED** |

**AGENDA ITEM 5: TECHNICAL REGULATIONS AND OTHER TECHNICAL MATTERS**

**AGENDA ITEM 5.11: Integrated urban services**

# integrated urban services



# DRAFT DECISIONS

## Draft Decision 5.11/1 (SERCOM-2)

### Good practices on high-resolution modelling for Integrated Urban Services

### The Commission for Weather, Climate, Water and Related Environmental Services and Applications, noting the importance of good practices on approaches to high-resolution forecasting and warning systems for the emerging delivery of integrated urban services, having examined the document [Good practices on high-resolution modelling for Integrated Urban Services](https://wmoomm.sharepoint.com/:w:/s/wmocpdb/ESR8AeH7JoZNv_1im4VC3NMB-UlXin8a5658KiVN5Y8e5g?e=V2G9YZ), decides:

(1) To endorse the good practices on high-resolution modelling for integrated urban services developed by the Study Group on Integrated Urban Services, including three recommendations for National Meteorological and Hydrological Services to strengthen their modelling expertise to support service delivery in urban settings;

(2) To encourage WMO Members to apply good practices on high-resolution modelling for integrated urban services in their continuous efforts to improve service delivery in urban settings.

See the [annex](#_Annex_to_draft_1) to the present decision.

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Decision justification: The proposed Good Practices on High-Resolution Modelling for Integrated Urban Services (GPHRM-IUS) presents an overview of the state-of-the-art possibilities to use models to provide detailed information to cities, stakeholders and inhabitants, it explains model setups for specific services including input data, post processing and integration. It presents case studies to demonstrate modelling approaches that support Integrated Urban Services (IUS) delivery and promotes interdisciplinary cooperation and coordination between WMO Members and stakeholders as the key to successful partnerships to advance high resolution modelling and IUS. The GPHRM-IUS complements other WMO Guides and Guidelines in IUS, e.g., [*Guidance on Integrated Urban Hydrometeorological, Climate and Environmental Services – Volume I: Concept and Methodology*](https://library.wmo.int/index.php?lvl=notice_display&id=21512#.YxHqZHZByUk) (WMO-No. 1234 Vol. 1), [*Guidance on Integrated Urban Hydrometeorological, Climate and Environment Services - Volume II: Demonstration Cities*](https://library.wmo.int/index.php?lvl=notice_display&id=21855) (WMO-No. 1234 Vol. 2), [*Training Materials and Best Practices for Chemical Weather/Air Quality Forecasting*](https://library.wmo.int/index.php?lvl=notice_display&id=21801) (WMO ETR-No. 26).

## Annex to draft Decision 5.11/1 (SERCOM-2)

## [Good practices on high-resolution modelling for Integrated Urban Services](https://wmoomm.sharepoint.com/:w:/s/wmocpdb/ESR8AeH7JoZNv_1im4VC3NMB-UlXin8a5658KiVN5Y8e5g?e=V2G9YZ)

## Draft Decision 5.11/2 (SERCOM-2)

### Summary and recommendations of the workshop on integration of urban-related activities in WMO

### The Commission for Weather, Climate, Water and Related Environmental Services and Applications,

### Noting the contributions of the workshop on integration of urban-related activities in WMO for the development of an implementation plan for Integrated Urban Services and having reviewed the document [Summary and recommendations of the workshop on integration of urban-related activities in WMO](https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EbbHOu3YmaFBn2oK8k5Mn6QBjZ29t2WxqZTEWMJytwketw),

**Decides** to invite WMO Technical Commissions, Research Board, Regional Associations and other relevant bodies to take note of the Summary and recommendations of the workshop in urban-related activities in WMO, and to consider these recommendations as part of their efforts to improve service delivery in urban settings.

See [SERCOM-2/INF. 5.11](https://meetings.wmo.int/SERCOM-2/InformationDocuments/Forms/AllItems.aspx)

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Decision justification: The Summary and recommendations of the workshop on integration of urban-related activities in WMO supports the development of the implementation plan for Integrated Urban Services with five general recommendations to improve cross-collaboration among WMO Technical Commissions, Research Board and Regional Associations. It also summarizes ongoing urban-related activities within WMO constituent bodies to increase awareness and improve cross-collaboration.

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