

Submissions by the World Meteorological Organization (WMO)

Associated Programme on Flood Management..... 2
WMO Hydrological Observing System WHOS..... 6

Template for submission of a knowledge resource

Title of the knowledge resource

Associated Programme on Flood Management

Inputs provided by:

World Meteorological Organization

<http://www.wmo.int>

1. Type of organization

Please choose as appropriate:

- | | |
|--|---|
| <input type="checkbox"/> Civil society | <input type="checkbox"/> Regional center/network/initiative |
| <input checked="" type="checkbox"/> Intergovernmental organization (IGO) | <input type="checkbox"/> Research institution |
| <input type="checkbox"/> National/public entity | <input checked="" type="checkbox"/> UN and affiliated organization |
| <input type="checkbox"/> Non-governmental organization (NGO) | <input type="checkbox"/> University/education/training organization |
| <input type="checkbox"/> Private sector | |

2. Geographic region

Name(s) of the country(ies) which are dealt with in the knowledge resource:

Please choose the appropriate geographic region(s) :

- | | |
|---|---|
| <input checked="" type="checkbox"/> Africa | <input checked="" type="checkbox"/> North America |
| <input checked="" type="checkbox"/> Asia | <input type="checkbox"/> Pacific/Oceania |
| <input checked="" type="checkbox"/> Caribbean and Central America | <input type="checkbox"/> Polar regions |
| <input checked="" type="checkbox"/> Europe | <input checked="" type="checkbox"/> South America |

3. Geographic scale

Please choose the geographic scale which the knowledge resource covers:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Global | <input type="checkbox"/> Regional |
| <input type="checkbox"/> Local | <input type="checkbox"/> Subregional |
| <input type="checkbox"/> National | <input type="checkbox"/> Transboundary |

4. Adaptation sector/theme

Please choose the sector(s) or theme(s) that are addressed in the knowledge resource:

- | | |
|---|---|
| <input type="checkbox"/> Adaptation finance | <input type="checkbox"/> Farm systems |
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Freshwater fisheries |
| <input type="checkbox"/> Biodiversity | <input type="checkbox"/> Gender |
| <input checked="" type="checkbox"/> Coastal areas/zones | <input checked="" type="checkbox"/> Health |

Template for submission of a knowledge resource

- | | |
|--|---|
| <input checked="" type="checkbox"/> Community-based adaptation | <input type="checkbox"/> Horticulture |
| <input type="checkbox"/> Crops | <input type="checkbox"/> Human settlements |
| <input checked="" type="checkbox"/> Disaster-risk reduction | <input type="checkbox"/> Indigenous and traditional knowledge |
| <input checked="" type="checkbox"/> Ecosystem-based adaptation | <input type="checkbox"/> Infrastructure |
| <input type="checkbox"/> Ecosystems | <input type="checkbox"/> Livestock |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Marine fisheries |
| <input type="checkbox"/> Food security | <input type="checkbox"/> Service |
| <input type="checkbox"/> Food systems | <input type="checkbox"/> Tourism |
| | <input checked="" type="checkbox"/> Urban resilience |
| | <input checked="" type="checkbox"/> Water |

5. Adaptation element

Please choose the adaptation element(s) that are addressed in the knowledge resource:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Adaptation planning and practices | <input checked="" type="checkbox"/> Institutional arrangements |
| <input checked="" type="checkbox"/> Capacity building | <input type="checkbox"/> Knowledge management |
| <input type="checkbox"/> Climate observation | <input checked="" type="checkbox"/> Monitoring and evaluation |
| <input type="checkbox"/> Climate scenarios | <input type="checkbox"/> Science and research |
| <input checked="" type="checkbox"/> Communication and outreach/awareness | <input type="checkbox"/> Socio-economic data and information |
| <input type="checkbox"/> Education and training | <input checked="" type="checkbox"/> Stakeholder involvement |
| <input type="checkbox"/> Financial support | <input type="checkbox"/> Technology support |
| <input type="checkbox"/> Impact assessment | <input checked="" type="checkbox"/> Vulnerability assessment |

6. Climatic hazard

Please choose the climatic hazard(s) that are addressed in the knowledge resource:

- | | |
|--|--|
| <input type="checkbox"/> Desertification | <input type="checkbox"/> Loss of biodiversity |
| <input type="checkbox"/> Drought | <input type="checkbox"/> Ocean acidification |
| <input type="checkbox"/> Extreme cold | <input type="checkbox"/> Salinization |
| <input type="checkbox"/> Extreme heat | <input type="checkbox"/> Sea level rise |
| <input checked="" type="checkbox"/> Floods | <input type="checkbox"/> Shift of seasons |
| <input type="checkbox"/> Glacier retreat and related impacts | <input type="checkbox"/> Storm surges |
| <input type="checkbox"/> Increasing temperatures | <input type="checkbox"/> Tropical cyclones/typhoons |
| <input type="checkbox"/> Land and forest degradation | <input type="checkbox"/> Vector and water-borne diseases |
| | <input type="checkbox"/> Wildfire |

7. Target beneficiaries

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Please choose the target beneficiary(ies) of the knowledge resource:

- | | |
|---|---|
| <input type="checkbox"/> Academics and scientists | <input checked="" type="checkbox"/> Practitioners |
| <input checked="" type="checkbox"/> Communities | <input type="checkbox"/> Private sector |
| <input checked="" type="checkbox"/> Policy makers | <input type="checkbox"/> Financial institutions |

If any other, please specify:

8. Type of knowledge resource

Please choose as appropriate

- | | |
|---|--|
| <input checked="" type="checkbox"/> Online portal | <input type="checkbox"/> Policy brief |
| <input type="checkbox"/> Scientific/peer reviewed publication | <input checked="" type="checkbox"/> Educational/ training material |
| <input checked="" type="checkbox"/> Technical document/report | <input type="checkbox"/> Multimedia material |

If any other, please specify:

9. Description

Please provide detailed information regarding the knowledge resource.

The Associated Programme on Flood Management (APFM), a joint initiative of the World Meteorological Organization (WMO) and the Global Water Partnership (GWP), was established in order to promote the concept of Integrated Flood Management (IFM) and to help demonstrate the practical steps for putting the concept into practice. The IFM approach aims at maximizing the net benefits from flood plains and minimizing loss of life due to flooding, and at the same time preserving ecosystems within the overall framework of Integrated Water Resources Management (IWRM). The HelpDesk for IFM is a facility that provides guidance on flood management policy, strategy, and institutional development for countries willing to adopt the IFM concept. Users have the possibility either to request custom-made technical support through the Get Help function or to find flood management solutions by themselves using the literature (such as the IFM Tools Series) in the Help Yourself section.

10. Year of publication /production

Please provide the year of publication or production of the knowledge resource.

The Associated Programme on Flood Management (APFM) has been launched in 2001 and is still ongoing. Since 2009 the HelpDesk on Integrated Flood Management has been launched. The IFM Tools have been published since 2009 and the series is expected to be completed by the end of 2017.

11. Implementing partners

Please indicate the name(s) and function(s) of the implementing partners, if any.

The Associated Programme on Flood Management (APFM) is a joint initiative of the World Meteorological Organization (WMO) and the Global Water Partnership (GWP). Its Technical Support Unit is hosted in WMO premises and it's formed by staff from both WMO and GWP. Moreover, the IFM HelpDesk is supported by a network of around 30 external partners (called Support Base Partners) which committed to provide in-kind

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contributions to the service providing functions of the IFM HelpDesk.

12. Further information

Please provide any further information (including hyperlinks) not included above and that is directly relevant to the knowledge resource.

The APFM website and the IFM HelpDesk are accessible from the web link www.floodmanagement.info

13. References

Please add any reference that provides relevant information regarding the knowledge resource.

WMO Congress during its Fifteenth Session “appreciated the activities under the Associated Programme on Flood Management, which had helped achieve the objective of disaster risk reduction and provided technical support to countries in flood management policy formulation. It welcomed the establishment of the Help Desk services as a tool for providing support on flood management policy issues in collaboration with other partners.” Under Resolution 20 (Cg-XV) Congress decided “That WMO should continue its advocacy for a widespread adoption of an Integrated Flood Management approach at the basin, national and international levels”

14. Contact details

Please provide contact details for UNFCCC secretariat internal use, and note that the latter will not be made available online.

Giacomo Teruggi, Head of the APFM Technical Support Unit
Climate and Water Department
World Meteorological Organization
7bis Avenue de la Paix
1211 Geneva
Switzerland
gteruggi@wmo.int
0041227308354

Template for submission of a knowledge resource

Title of the knowledge resource

WMO Hydrological Observing System WHOS

Inputs provided by:

World Meteorological Organization WMO , <https://public.wmo.int/en>

1. Type of organization

Please choose as appropriate:

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- | | |
|---|---|
| <input type="checkbox"/> Disaster-risk reduction | <input type="checkbox"/> Indigenous and traditional knowledge |
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| <input type="checkbox"/> Ecosystems | <input type="checkbox"/> Livestock |
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| <input checked="" type="checkbox"/> Floods | <input type="checkbox"/> Shift of seasons |
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|--|---|

Template for submission of a knowledge resource

Communities

Policy makers

If any other, please specify:

Private sector

Financial institutions

8. Type of knowledge resource

Please choose as appropriate

Online portal

Scientific/peer reviewed publication

Technical document/report

If any other, please specify:

Policy brief

Educational/ training material

Multimedia material

9. Description

WHOS is a portal to the online holdings of National Hydrological Services (NHS) around the world that publish their historical observation and/or real-time data without restrictions or cost. It represents the hydrological component of the WMO Integrated Global Observing System (WIGOS). In a next phase, WHOS should adopt a brokering approach to gather hydrological data from different sources and facilitate the access to data.

10. Year of publication /production

Regular and continuous update of contents.

11. Implementing partners

WHOS is developed/implemented by the WMO commission of Hydrology. Data are provided by National Hydrological services.

12. Further information

WHOS webpage: <http://www.wmo.int/pages/prog/hwrp/chy/whos/index.php>

WHOS development concept: http://www.whycos.org/wordpress/?page_id=896

13. References

14. Contact details

dberod@wmo.int