



函件号: 16081/2021/MS/ETR/HR

2021年7月16日

附件: 1份(仅提供英文版)

主题: 更新数据库以促进了解国家气象水文部门(NMHS)人力资源和能力发展现状

需采取的行动: 在**2021年8月30日**前回复

尊敬的先生/女士,

我谨提及**决议 71 (Cg-18)** - 教育培训计划和提供机制, 关于通过正式和继续教育发展会员所需的人力资源能力, 以及需要加强国家实现自给自足满足教育培训需求的能力。

为了确定与所有会员就教育培训事宜开展合作的性质和范围, 秘书处正在扩充国家气象水文部门(NMHS)人力资源状况的现有数据库, 上次更新是在**2017年**, 刊名为**国家气象水文部门人力资源状况(ETR-21, 2017)**。此项工作还将有助于丰富世界气象组织(WMO)的信息协调平台, 从而按照**决定 12 (EC-72)** - 关于修订WMO能力发展战略的建议, 更好地了解NMHS在服务提供领域的的能力发展需求。极为重要的是, 更新的数据库将从人员能力开发的角度协助会员和秘书处等实施WMO改革。

因此, 如您能够通过填写**工作人员、能力和资质调查**电子表格来提供关于贵局人力资源状况的必要信息, 我将不胜感激。调查表包含**11项**问题, 您可参阅附上的截图(附件)。这将有助于您收集所需的数据, 在所提供的**电子表格在线**回答这些问题。我们估计填写表格需要花费约**15-20分钟**。如您在提交表格过程中遇到任何困难, 可联系WMO教育培训办公室, 邮箱: tra@wmo.int (attention: Mr Mustafa Adiguzel, Scientific Officer, Education and Training Office)。

借此机会, 我要感谢贵方一如既往的合作。此外, 敬请尽快在**2021年8月30日**前发来所需的信息, 以使我们在本财务期内有充足的时间分析并公布结果。

此致,

佩特里·塔拉斯教授
秘书长

收件人: WMO 会员常任代表

抄送: 水文顾问



WORLD
METEOROLOGICAL
ORGANIZATION
Weather · Climate · Water

STAFF, COMPETENCIES AND QUALIFICATIONS

Initial Information

Name of Member/Country: *

Choose...

Your Name: *

Your Email Address: *

[Start](#)

For reference only!
Please submit the online survey [here!](#)

1.1 STAFFING

1. Number of staff by gender

How many men and women work in your National Meteorological and Hydrological Service (NMHS)?

Female

Male

2. Number of staff by professional category

How many staff work in the following roles?

	Male	Female
Manager	<input type="text"/>	<input type="text"/>
Meteorologist	<input type="text"/>	<input type="text"/>
Meteorological Technician	<input type="text"/>	<input type="text"/>
Hydrologist	<input type="text"/>	<input type="text"/>
Hydrological Technician	<input type="text"/>	<input type="text"/>
Climatologist/Climate Services	<input type="text"/>	<input type="text"/>
Researcher	<input type="text"/>	<input type="text"/>
Support Staff	<input type="text"/>	<input type="text"/>
Customer Interactions and Communications (such as DRR)	<input type="text"/>	<input type="text"/>
Social scientist	<input type="text"/>	<input type="text"/>
Lawyer	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>
Total Staff	0	0

Note that the total number of staff in for each gender should match the number you provided in your answer to Question 1.

3. Number of staff with university degree.

Please provide the number of staff with university degree:

Male

Female

4. Number of staff, by age category.

How many of your NMHS staff are in the following age categories?

Less than 20 years old	<input type="text"/>
21 - 30 years old	<input type="text"/>
31 - 40 years old	<input type="text"/>
41 - 50 years old	<input type="text"/>
over 50 years old	<input type="text"/>

5. Staffing trend in the last 3-5 years.

Please indicate the trend of the staffing figures during the recent 3-5 years:

- Steadily increasing
- Steadily decreasing
- No significant year-to-year change

1.2 CAPACITY DEVELOPMENT

6. Number of staff in need of training, by professional category.

How many people in these job categories and at what priority level?

	Priority	
Manager	<input type="text"/>	Choose...
Meteorologist	<input type="text"/>	Choose...
Meteorological Technician	<input type="text"/>	Choose...
Hydrologist	<input type="text"/>	Choose...
Climatologist/ Climate Service:	<input type="text"/>	Choose...
Researcher	<input type="text"/>	Choose...
Support Staff	<input type="text"/>	Choose...
Customer Interactions and Communications (such as DRR)	<input type="text"/>	Choose...

7. Number of experts expected to be trained

How many staff are expected to be trained in 2021 for longer than one week, through the support of these various sources?

Government	<input type="text"/>
Project funds	<input type="text"/>
WMO	<input type="text"/>
Other scholarships	<input type="text"/>

8. Indicate the level of priority for WMO support on the following types of fellowships:

	Priority
Short course	Choose...
BSc Programme	Choose...
MSc Programme	Choose...
PhD Programme	Choose...

9. Areas in which NMHS staff training is needed.

Please list in order of priority the 4 areas where your NMHS staff need training:

	Area
Priority 1	Choose...
Priority 2	Choose...
Priority 3	Choose...
Priority 4	Choose...

10. Completion of BIP-M by personnel engaged in service provision.

Basic Instruction Package for Meteorological Technicians (BIP-MT)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No
Basic Instruction Package for Meteorologists (BIP-M)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No
Basic Instruction Package for Hydrological Technicians (BIP-HT)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No
Basic Instruction Package for Hydrologists (BIP-H)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No

11. Training and assessment of personnel on WMO competency frameworks: status of implementation and frequency of assessment.

Does your NMHS (or other service provider responsible for the provision of meteorological, hydrological and climate services) implement training and assessment for personnel on the following WMO competency frameworks?

	Status of implementation	If yes in full or in part, what is the frequency of the competency
Aeronautical Meteorological Forecaster	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Aeronautical Meteorological Observer	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Competencies for Provision of Climate Services	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Marine Weather Forecasters	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
WMO Information System Competencies	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Education and Training Providers	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Personnel Engaged in Operational Forecasting (PWS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Weather Broadcasters and Communicators (PWS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Advisors Supporting Disaster Prevention and Mitigation and Other User Activities (PWS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Competency Requirements for Persons Engaged in the Development and Delivery of Products and Services to Meet User Requirements (PWS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Meteorological Observations (OBS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Competency Framework for Instrumentation (OBS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Competency Framework for Calibration (OBS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Competency Framework for Observing Program and Network Management (OBS)	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Satellite Skills and Knowledge for Operational Meteorologists	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...
Radar Skills and Knowledge for Operational Meteorologists	<input type="radio"/> Yes, in full <input type="radio"/> Yes, in part <input type="radio"/> No	Choose...

* Note that information about the WMO competency frameworks is provided in the Compendium of [WMO Competency Frameworks \(WMO-No. 1209\)](#) and guidelines on the implementation of competency-based training and assessment are provided in the [Guide to Competency \(WMO-No. 1205\)](#)

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