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2026 年 7 月 17 日

附件: 1 (仅以英文提供)

主题: 高分辨率气候建模在线研习会(2026 年 12 月 14 至 22 日)

要求采取的行动: 供参考, 并请于 **2026 年 9 月 25 日** 前采取适当行动

尊敬的先生/女士:

我谨通知您, 高分辨率气候建模在线研习会将于 **2026 年 12 月 14 至 22 日** 举行。研习会将由 WMO 以色列贝达甘区域培训中心 (RTC) 与以色列国际发展合作署 (MASHAV) 合作组织, 由德国气象局 (DWD) 提供专家支持。

该研习会面向发展中国家国家气象水文部门 (NMHS) 的研究人员、气候学家、预报员、水文学家和气候服务提供者。研习会旨在加强学员理解与评估气候模式的能力、使之熟悉关于利用对流允许模式进行天气和气候预测的动力降尺度基础知识。研习会还将介绍气候有限区域建模社区 (CLM 社区) 和基于 AI 的降尺度方法。学员还将获得模式数据操作方面的实操经验, 包括用于制作气候变化指数的统计降尺度技术。

研习会的内容与《[建立国家气候服务框架的步骤指南](#)》(WMO-No. 1206) 提供的指导意见相一致。它将在在线进行, 并以英语授课。更多详细信息, 包括参会要求和申请程序, 请参见 [附件](#)。请有意参会的候选人于 **2026 年 9 月 25 日** 前尽快填写“[在线参会人员申请表](#)”。

秘书处谨请您协助将此次培训机会告知贵部门感兴趣的候选人, 并协助进入提名程序。

谨上

席列斯特·绍罗教授
秘书长

致: WMO 会员常任代表

抄送: 水文顾问

Course Information

Online Workshop on High-resolution Climate Modelling

14–22 December 2026

1. Introduction

In line with the Global Framework for Climate Services (GFCS) initiative to strengthen the production and use of science-based climate information, the Online Workshop on High-Resolution Climate Modelling aims to enhance understanding of how high-resolution climate data are generated and applied.

Participants will enhance their knowledge and strengthen their capacity to coordinate, develop, deliver and use climate services to support decision-making and address climate-related risks at regional and national levels.

The workshop is a joint initiative of the Israel Meteorological Service (IMS) and Israel's Agency for International Development Cooperation (MASHAV), with contributions from Deutscher Wetterdienst (DWD, the German weather service). It is designed for postgraduate-level meteorologists or hydrologists working in National Meteorological and Hydrological Services (NMHSs) in developing countries.

2. Course objectives

- a) Develop participants' ability to understand and critically evaluate climate models.
- b) Introduce the fundamentals of dynamical downscaling using convection-permitting models for both weather and climate applications.
- c) Present the Climate Limited-area Modelling Community and its activities.
- d) Provide an overview of AI-based approaches for downscaling.
- e) Provide hands-on experience in model data processing, including statistical downscaling techniques for generating climate change indices.

3. Course outcomes

- a) Participants will gain practical knowledge on climate modeling.
- b) Participants will understand the limitations and challenges faced by NMHSs in providing climate change projections.
- c) Participants will understand climate change indices for extreme events.
- d) Equipped with an understanding of the strengths and limitations of climate modelling, participants will be able to make informed decisions when assessing local climate change.

4. Course format

Synchronous lectures and practical exercises.

5. Participation cost

The workshop is free of charge.

6. Training staff

The course will be conducted by senior staff from IMS and DWD, who will share their knowledge and experience.

7. Audience

The workshop is aimed at forecasters, climatologists, hydrologists and researchers from NMHSs and research institutions in developing countries.

8. Language

The workshop will be held in English. A working knowledge of English is mandatory.

9. Student assessment

- A minimum of 90% attendance is required.
- Participants should have all technical accessories for complete and active participation throughout the online course.
- For hands-on exercises, participants should have R installed on their computers, and installation of RStudio is recommended.
- Participants will complete assignments and undertake a final project for their region.
- Upon successful completion, a certificate will be awarded.

10. Registration

Interested candidates are requested to complete the [online Participant Application Form](https://forms.gle/VR8SZoZXNoaCbqiN9) (<https://forms.gle/VR8SZoZXNoaCbqiN9>) no later than **25 September 2026**.

For further information, please contact:

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