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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 22 September 2021 | |
| **Ref:** | **TSB Circular 345 FG-AI4NDM/MM** | | **To:**  - Administrations of Member States of the Union;  - ITU-T Sector Members;  - ITU-T Associates;  - ITU Academia | |
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| **E-mail:** | [tsbfgai4ndm@itu.int](mailto:tsbfgai4ndm@itu.int) | | **Copy to:**  - The Chairmen and Vice-Chairmen of ITU-T Study Groups;  - The Director of the Telecommunication Development Bureau;  - The Director of the Radiocommunication Bureau | |
| **Subject:** | **Fourth meeting of ITU/WMO/UNEP Focus Group on AI for Natural Disaster Management (FG-AI4NDM), 20 October 2021** | | | |

Dear Sir/Madam,

It is my pleasure to inform you that the fourth virtual meeting of the Focus Group on Artificial Intelligence for Natural Disaster Management (FG-AI4NDM) will be held on **20 October 2021** (*1400-1630 hours CEST*).

# 1 Background

The ITU/WMO/UNEP [Focus Group on AI for Natural Disaster Management (FG-AI4NDM)](http://www.itu.int/go/fgai4ndm) explores the potential of leveraging AI within the domain of natural disaster management. In particular, it is helping to lay the groundwork for best practices on the use of AI for detecting and forecasting natural disasters and providing effective communication.

FG-AI4NDM was established by ITU-T Study Group 2 at its meeting on 18 December 2020 and is Chaired by Ms Monique Kuglitsch (Fraunhofer HHI) and supported by Ms Elena Xoplaki (Justus Liebig University Giessen), Mr Jürg Luterbacher (World Meteorological Organization), Mr Muralee Thummarukudy (UN Environment), Ms Rakiya Abdullahi Babamaaji (National Space Research and Development Agency, Government of Nigeria), Mr Srinivas Chaganti (Department of Telecommunications, Government of India), and Ms Yan Chuan Wang (China Telecommunications Corporation), who serve as Vice-Chairs.

The current FG-AI4NDM structure is as follows:

1. **Working Group on Data for AI (WG-Data)**

* ***Chair(s):*** Allison Craddock (Jet Propulsion Laboratory - NASA) and Rustem Arif Albayrak (NASA Headquarters)

1. **Working Group on AI for Modeling (WG-Modeling)**

* ***Chair(s):*** Jackie Ma (Fraunhofer HHI) and Andrea Toreti (Joint Research Centre - European *Commission*)

1. **Working Group on AI for Communications (WG-Communications)**

* ***Chair(s):*** Ivanka Pelivan (Fraunhofer HHI) and Thomas Ward (IBM)

1. **Working Group for Mapping AI-related Activities in Natural Disaster Management (WG-Roadmap)**

* ***Chair(s):*** David Oehmen (UNFCCC)

The first virtual workshop and meeting of FG-AI4NDM was held on 15-17 March 2021, during which the  
FG-AI4NDM working structure, an initial roadmap of expected deliverables, related working methods, and future meeting plans were established.

The second virtual workshop and meeting of FG-AI4NDM took place on 23-25 June 2021 to advance on the Topic Groups and discuss new use case proposals.

The third virtual workshop and meeting of FG-AI4NDM was scheduled on 30 August 2021-2 September 2021. During this meeting, additional use case proposals were discussed and evaluated, the preliminary drafts of several deliverables were presented, and an Ad-hoc Group on Tools Supporting AI for Natural Disaster Management, was established.

Currently, FG-AI4NDM has ten Topic Groups:

* AI for Flood Monitoring and Detection
* AI for Geodetic Enhancements to Tsunami Monitoring and Detection
* AI for Insect Plague Monitoring and Detection
* AI for Landslide Monitoring and Detection
* AI for Snow Avalanche Monitoring and Detection
* AI for Wildfire Monitoring and Detection
* AI for Vector borne Disease Forecasting
* AI for Volcanic Eruption Forecasting
* AI for Hail and Windstorm Hazard Mapping
* AI for Multihazard Communications Technologies

# 2 Fourth meeting of the Focus Group on AI for Natural Disaster Management

The fourth meeting will be organized on **20 October 2021**, **1400-1630 hours CEST**. The draft agenda, the meeting documents, and additional information on how to participate in the meeting will be made available on the [FG-AI4NDM homepage](http://www.itu.int/go/fgai4ndm).   
This fourth meeting will be focused on advancing on the deliverables of the Working Groups.

**Written contributions** are invited to advance on the deliverables of the Working Groups. All written contributions should be submitted to the TSB Secretariat (tsbfgai4ndm@itu.int) in electronic format using the templates available from the [FG-AI4NDM homepage](http://www.itu.int/go/fgai4ndm). **The submission deadline for contributions to the fourth meeting is 13 October 2021**.

# 3 Registration and Participation Information

The fourth meeting of FG-AI4NDM will be conducted on the [MyMeetings](https://www.itu.int/myworkspace/#/MyMeetings) Platform. The discussions will be held in English only.

Participation in FG-AI4NDM is free of charge and open to individual experts and organizations from all sectors and relevant disciplines, including geosciences, disaster risk reduction, disaster mitigation, artificial intelligence/machine learning (AI/ML), and other areas of information and communication technologies. Experts from all regions, particularly developing countries, including least developed countries (LDCs) and small island developing states (SIDS), are encouraged to contribute to this work.

Anyone interested in following or participating in this work is invited to subscribe to a dedicated mailing-list; details on how to subscribe can be found at: <http://www.itu.int/go/fgai4ndm-quicksteps>. Each Working Group and Topic Group will also have specific mailing-lists on which relevant information relating to their activities is regularly circulated.

Participants are invited to register online via the [FG‑AI4NDM homepage](http://www.itu.int/go/fgai4ndm) as soon as possible. Note that registration is mandatory to attend the meeting.

The [FG-AI4NDM homepage](http://www.itu.int/go/fgai4ndm) will be regularly updated as new or additional information becomes available. Participants are invited to check periodically for new updates.

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| 13 October 2021 | Submit written contributions (by e-mail to [tsbfgai4ndm@itu.int](mailto:tsbfgai4ndm@itu.int)) |
| 18 October 2021 | Pre-registration for fourth meeting of FG-AI4NDM online at <https://www.itu.int/net4/CRM/xreg/web/Registration.aspx?Event=C-00010480> |

I wish you a productive and enjoyable event.

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| Yours faithfully,  Chaesub Lee Director of the Telecommunication Standardization Bureau | Qr code  Description automatically generatedLatest meeting information |