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| The International Teleocmmunication Union - Connecting the World. | | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | | Geneva, 23 September 2022 | |
| **Ref:** | **TSB Circular 40**  FG-AI4A/MM | | **To:**  - Administrations of Member States of the Union  - ITU-T Sector Members  - ITU-T Associates  - ITU Academia | |
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| **E-mail:** | [tsbfgai4a@itu.int](mailto:tsbfgai4a@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 the ITU/FAO Focus Group on “Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture” (FG-AI4A), Virtual, 17-19 October 2022** | | | |

Dear Sir/Madam,

It is my pleasure to invite you to attend the fourth meeting of the ITU/FAO Focus Group on Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture (FG-AI4A), scheduled to take place fully virtually over the three days of **17 to 19 October 2022** (1000-1230 hours and 1400-1600 hours CEST) respectively.

**1 Background**

The [ITU-T Focus Group on Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture (FG‑AI4A)](http://www.itu.int/go/fgai4a) explores the potential of leveraging emerging technologies such as AI and IoT for data collation and handling, improving modelling from a growing volume of agricultural and geospatial data, to enable effective interventions related to the optimization of agricultural production processes. The activities of this Focus Group will be conducted in close collaboration with FAO.

Established by ITU-T Study Group 20 at its meeting of 21 October 2021, FG-AI4A is co-chaired by Dr Ramy Ahmed Fathy (Egypt) and Dr Sebastian Bosse (Fraunhofer HHI, Germany), along with Mr Marco Brini (EnvEve, Switzerland), Mr Zhongxin Chen (Food and Agriculture Organization of the United Nations-FAO), Mr Ted Dunning (Hewlett Packard Enterprise), Mr Paolo Gemma (Huawei Technologies Co., Ltd.), Mr Long Hoang (John Deere, United States), Mr Sushil Kumar (Department of Telecommunications, Government of India), Mr Gyu Myoung Lee (Republic of Korea), Mr Chunlin Pang (Telematics industry Application Alliance‑TIAA, China) and Mr Guillermo Ariel González Conosciuto (Argentina) serving as Vice‑Chairmen.

The FG-AI4A structure is as follows:

* Working Group on Glossary (WG-Gloss)
* Working Group on Digital Agriculture Use Cases and Solutions (WG-AS)
* Working Group on Data Acquisition and Modelling for digital agriculture (WG-DAM)

Working Group for Mapping and Analyzing AI and IoT standards related Activities in Digital Agriculture (WG-Roadmap)

* Working Group on Ethical, Legal, and regulatory Considerations relating to the use of AI for agriculture (WG-ELR)
* Working Group on Collaboration and Outreach (WG-CO)

Currently, FG-AI4A has five active Topic Groups:

* Topic Group on Data science for surface and underground water monitoring
* Topic Group on Georeferenced data management
* Topic Group on Weather modelling and forecasting
* Topic Group on Yield monitoring and prediction
* Topic Group on Irrigation strategy and smart water management

**2 Fourth Meeting of the Focus Group on Artificial Intelligence and Internet of Things for Digital Agriculture**

The meeting will take place from **17 to 19 October 2022** (1000-1230 hours and 1400-1600 hours CEST). The draft agenda, meeting documents, and additional information will be available on the [FG-AI4A homepage](http://www.itu.int/go/fgai4a). The discussions will be held in English only via the [MyMeetings platform](https://www.itu.int/myworkspace/#/MyMeetings).

The main objective of the fourth meeting of FG-AI4A is to review incoming use case proposals on the use of AI, IoT and other frontier technologies to improve agricultural production processes and advance on the deliverables. The meeting also aims to discuss the timeline for the deliverables and nominations received to lead the current Topic Groups and Working Groups respectively.

Written contributions are pertinent for the eventual success of the focus groups, and are strongly encouraged in line with the terms of reference, and to address the objectives highlighted above. Written contributions should be submitted to the TSB FG-AI4A Secretariat ([tsbfgai4a@itu.int](mailto:tsbfgai4a@itu.int)) in electronic format using the templates available from the [FG-AI4A homepage](http://www.itu.int/go/fgai4a). **The contribution deadline for the meeting is 12 October 2022.**

**3 Participation Information**

Participation in FG-AI4A is free of charge, and open to individual experts and organizations from all sectors and relevant disciplines, including but not limited to artificial intelligence/machine learning (AI/ML), Internet of Things (IoT), agricultural sciences, and other related areas of digital agriculture. 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: <https://www.itu.int/en/ITU-T/focusgroups/ai4a/Pages/quicksteps.aspx>.

**4 Pre-registration**

Pre-registration is mandatory and is to be done online via the [FG-AI4A homepage](http://www.itu.int/go/fgai4a) as soon as possible, and no later than **5 October 2022**. Registration is mandatory to attend the meeting and access the remote platform.

**Key Deadlines:**

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| 5 October 2022 | * Pre-registration (online via the [FG-AI4A homepage](http://www.itu.int/go/fgai4a)) |
| 12 October 2022 | * Submit written contributions (by e-mail to [tsbfgai4a@itu.int](mailto:tsbfgai4a@itu.int)) |

I wish you a productive and enjoyable meeting.

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| Yours faithfully,  Chaesub Lee  Director of the Telecommunication Standardization Bureau | Latest meeting information |