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| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | FG-AI4EE-WG1-O-002 |
| **Focus Group on Environmental Efficiency for AI and other Emerging Technologies** |
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| **WG(s):** | Working Group 1 | e-meeting, 14 October 2020 |
| **OUTPUT DOCUMENT** |
| **Source:** | WG1 Co-Chairmen |
| **Title:** | Second FG-AI4EE Working Group 1 e-meeting, held on 14 October 2020 |
| **Purpose:** | Information |
| **Contact:** | Joel MillsWG1 Co-ChairmanFG-AI4EE | E-mail: jam@osc.no  |
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| **Keywords:** | Report, FG-AI4EE, WG1 |
| **Abstract:** | This document contains the report of Working Group 1 e-meeting held on 14 October 2020 |

# Introduction

Experts of FG-AI4EE Working Group 1 met virtually on 14 October 2020.

The draft agenda and document allocation were provided in document [FG-AI4EE-WG1-I-006](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7B54B6F42B-67DE-4D8B-A56E-549C9D060854%7D&file=FG-AI4EE-WG1-I-006.docx&action=default). The agenda was approved without modification.

All documents discussed are available on Working Group 1 SharePoint page: <https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/SitePages/WG1.aspx>

## Attendance list with affiliations

This e-meeting was attended by 23 participants.

# 2. Discussion and Summary of inputs

# 2.1 Opening

FG-AI4EE Co-Chairmen, Joel Alexander Mills, and Neil Sahota opened the meeting and welcomed everyone to the group.

# 2.2 Roundtable of introductions.

All experts had the opportunity to introduce themselves, their expertise and the specific skills that they can bring to the group.

# 2.3 Presentation on deliverables D.WG1-09 & D.WG1-10

Joel gave a presentation on deliverables D.WG1-09 & D.WG1-10. This presentation is available for download in document [FG-AI4EE-WG1-I-009](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/input_wg1/FG-AI4EE-WG1-I-009.zip). Joel presented the two deliverables in focus, explained their topics, and invited members to comment. Joel called for contributions to those deliverables using the available contribution template (see doc [FG-AI4EE-WG1-I-002](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7B7DA390A6-403D-4C45-BEE9-09BA70190DCC%7D&file=FG-AI4EE-WG1-I-002.docx&action=default)).

# 2.3.1 Discussion on draft deliverable: D.WG1-09: *A method for Intuitive Human interaction with data model (ML & AI etc.)*

The draft deliverable is available in document [FG-AI4EE-WG1-I-007](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7B67C6E758-2A2A-458D-84C7-9BC8C8EE72E5%7D&file=FG-AI4EE-WG1-I-007.docx&action=default). Members suggested that there should be a clear introduction about the differences of approach formal/unstructured. Complexity can be handled by formal methods, so AI needs to be matched against other approaches. It was suggested to refer to the context so readers do not get the impression that AI is the only way to go further.

**Action:**

* Specific data formats and the structured/informal nature of data to be clarified.

# 2.3.2 Discussion on D.WG1-10: *Guidelines on applying U4SSC KPIs in a digital twin city using ML, AR & AI for better climate mitigation solutions.*

The draft deliverable is available in document [FG-AI4EE-WG1-I-008](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7BD9258A71-48F7-46A2-B242-B87A682F0BB3%7D&file=FG-AI4EE-WG1-I-008.docx&action=default). Joel indicated that this deliverable should include examples of how emerging technologies can be used by cities and called for used case examples.

Members highlighted the necessity of defining what is meant by “environmental efficiency” and “energy consumption” as a first start. It was noted that under Working Group 1, deliverable D.WG1.01 will be devoted to the taxonomy and definition of terms. Members are encouraged to send their contributions to define those terms.

**Actions:**

* Members to send use case examples of how emerging technologies have been used by cities.
* Members to send any inputs on how to define “environmental efficiency” and “energy consumption” to feed into the Standardized Glo​ssary of Terms (deliverable D.WG1.01)

# 2.4 Discussion on proposed timeline on D.WG1-09 & D.WG1-10

Joel proposed that deliverables D.WG1-09 and D.WG1-10 could aimed to be finalized by December 2020. This is a tight timeframe subject to change as it very much depends on the availability of Members and number of contributions received.

The next meeting on those deliverables will be on 11 November 2020 and members are invited to send their contributions in view of this next meeting by 23 October 2020.

If these deliverables are ready by December, they could be presented for approval at the next Focus Group meeting planned on 10 December 2020.

**2.5. Technical report vs Technical Specification**

ITU clarified the difference between the 2 types of Focus Group’s reports:

A technical specification is document that describes in detail a specific architecture or a protocol and can be often considered equivalent to a Recommendation (standard) that is not quite mature, but is not normative.

A technical report contains information on a specific subject but does not specify elements such as an architecture or a protocol.

**3 Next steps & actions**

* Members to send their contributions on deliverables [D.WG1-09](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7B67C6E758-2A2A-458D-84C7-9BC8C8EE72E5%7D&file=FG-AI4EE-WG1-I-007.docx&action=default) and [D.WG1-10](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7BD9258A71-48F7-46A2-B242-B87A682F0BB3%7D&file=FG-AI4EE-WG1-I-008.docx&action=default) by 23 October 2020, using the template (see doc [FG-AI4EE-WG1-I-002](https://extranet.itu.int/sites/itu-t/focusgroups/ai4ee/wg/_layouts/15/WopiFrame.aspx?sourcedoc=%7B7DA390A6-403D-4C45-BEE9-09BA70190DCC%7D&file=FG-AI4EE-WG1-I-002.docx&action=default)) in view of next meeting on 11 November 2020. Contributions may also include reference documentation – any interesting paper – for consideration. All contributions should be sent to ITU Secretariat: tsbfgai4ee@itu.int
* Members are encouraged to attend next meeting WG1 on 28 October 2020 on deliverable D.WG1-04: *List of KPIs/metrics*. The draft deliverable will be circulated shortly.
* Members to send their interest to contribute to the deliverables to ITU Secretariat: tsbfgai4ee@itu.int, if not already done so. Participants to write a few words about themselves and their areas of expertise to help the Working Group chairmen define what deliverable would be the best fit.

# 4 Next Working Group 1 e-meetings

28 October 2020, 15:00-16:30 (CET)

* D.WG1-04 *List of KPIs/metrics* (Leader: Annik Magerholm Fet annik.fet@ntnu.no)

11 November 2020, 15:00-16:30 (CEST)

* D.WG1-09 (Leader: Joel Alexander Mills)
* D.WG1-10 (Leader: Joel Alexander Mills)

# 5 Other business

No other business was discussed.

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