|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | FG-AI4H-F-022 | |
| **ITU-T Focus Group on AI for Health** | |
| **Original: English** | |
| **WG(s):** | | Plenary | Zanzibar, 2-5 September 2019 | |
| **DOCUMENT** | | | | |
| **Source:** | | WG-DASH Chair | | |
| **Title:** | | WG on Data and AI Solution Handling (WG-DASH) – Approved ToR | | |
| **Purpose:** | | Admin | | |
| **Contact:** | | Marc Lecoultre Chair, WG- WG-DASH MLLab.ai, Switzerland | | Tel: +41 79 321 09 29 Fax: +41 22 364 30 69 Email: [ml@mllab.ai](mailto:ml@mllab.ai) |
| **Contact:** | | Kherif Ferath, vice-director  Vice-chair, WG- WG-DASH LREN, CHUV, Switzerland | | Tel: +41 79 556 11 06 Email: [ferath.kherif@chuv.ch](mailto:Ferath.kherif@chuv.ch) |

|  |  |
| --- | --- |
| **Abstract:** | This document contains the Terms of Reference for the FG-AI4H Working Group on *Data and AI Solution Handling* (WG‑DASH), approved by e-mail consultation to the FG AI4H mailing list. |

**Scope and description**

The Working Group on *Data and AI Solution Handling* focuses on the operational aspects of data processing throughout the data lifecycle. The term data refers to the submitted (public, private, and example) datasets, as well as the AI solutions (algorithms/models) submitted for the benchmarking process. It works on the definition of best practices, establishes processes and related policies, and creates reference documents. This Working Group deals with the "how" the Focus Group on AI4H should perform its operations when the data are used.

(It differs from the Working Group on *Data and AI Solution Assessment Methods* in that it focuses on the operational aspects, rather than on the tools.)

**Data set workflow**

This group will work on all operational aspects of data workflows such as dataset submission, algorithm benchmarking or others to come.

These workflows are composed of steps or tasks that must be standardized and documented. This working group will discuss each of these steps with the appropriate experts and publish documents.

In addition to the data workflow steps, we include the life cycle of data in the context of FG-AI4H:

* Third-party assessment: third-party acceptance policy, registration, on-boarding, ownership, ethics, legalities, etc.
* Data transfer: encryption, anonymization
* Data assessment: data acceptance policy
* Data maintenance: updating the datasets, data cleaning
* AI solution benchmarking: solution benchmarking tool
* Reporting: issue, send, publish benchmarking result report
* Data publishing: assign role to datasets, splitting, aggregate, normalization
* Data deletion: permanently delete data

Some topics are transversal in the sense that they are involved in multiple workflows or steps. They must be approached in a general way and specialized in the context of their use.

**Transversal topics**

* Security and encryption
* Access rights
* Infrastructure (ITU).

**Deliverables**

The working group is to deliver

* Data policies (acceptance, handling)
* Data workflows and processes
* Data transfer agreement
* Implementation of IT infrastructure, tools and data workflows.

**Relationships:**

* Chairs and experts of the other working groups of FG-AI4H
* Topic drivers for the different topic areas
* ITU secretariat and operations
* Workshops to include participants from different stakeholders (academic institutions, industry and other parties).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_