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| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | FG-AI4H-B-031 |
| **ITU-T Focus Group on AI for Health** |
| **Original: English** |
| **WG(s):** | Plenary | New York City, 15-16 November 2018 |
| **DOCUMENT** |
| **Source:** | Editor |
| **Title:** | Updated Call for Proposals: use cases, benchmarking, and data |
| **Purpose:** | Discussion |
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| **Abstract:** | This document lists the information to be submitted when proposing use cases, benchmarking, and data for the work of the FG-AI4H.This version has been updated at the second FG AI4H meeting (New York City, 15-16 November 2018) and is to be used for proposals submitted for the third meeting (Lausanne, Switzerland, 22-25 January 2019).Proposals are to be submitted by e-mail at the latest on 15 January 2019, 2359 hours (Geneva time), sent to tsbfgai4h@itu.int.Proponents are expected to present the document at the meeting, answer questions and provide updates if necessary.NOTE – This document was initially posted as B-102 but then reposted as B-031 to avoid external public confusion, as it was decided that the final version of this output document would be prepared by correspondence after the FG meeting. |

Introduction

In order to rapidly identify a number of projects that the Focus Group AI for health can execute on, it is proposed to publish a call on proposals that combines information on the specific use case, on benchmarking requirements, and on possible data sets. Given the very large number of possible uses cases, and the enormous number of different data sets that exist, this combined call is expected to greatly facilitate the identification of feasible projects, which the Focus Group AI4H can then develop as proofs of concepts.

It is suggested that this call corresponds to the first part of a two-stage process: To reduce the burden of proposers, this form is kept simple. Following acceptance of the proposal for further consideration, the proposer will be invited to provide more detailed information, specifically on the available data sets.

Proponents are **encouraged to provide additional information** in the categories found in FG-AI4H documents B-103 (Draft criteria for data to be accepted by the Focus Group) and B-104 (data acceptance).

The following text is an initial text for the Call for Proposals for use cases, benchmarking, and data. It is expected that all information listed below (description and questionnaire) is provided.

The **deadline** for the submission of proposals for **FG-AI4H meeting C** is 15 January 2019, 2359 hours (Geneva time).

**Proposals** are to be submitted by e-mail in **Word** format to tsbfgai4h@itu.int. The proposal *may* be complemented by a slide presentation set. All documents will be uploaded to the FG-AI4H website.

Proponents are expected to present the document at the meeting, answer questions and provide updates if necessary.

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| **Organization Name** |  |
| **Contact Name** |  |
| **Contact Email Address** |  |
| **Contact Phone Number** |  |
| **Project Title** |  |

# Overview

Please give a general overview of the project, and describe what health problem it is attempting to contribute to solve.

# Impact

Please explain the significance of the problem and describe the potential impact of the project. Please also provide a brief overview of existing work in the area of the project, and describe the current state of the art how the problem is currently addressed.

# Data Availability

Please describe what data sets would be available for the project. In particular, please describe if there are high quality open data sets for training purposes that are available, and / or if you would be able to contribute to an open data set for training purposes. Please also describe what (undisclosed) test data would be available for an evaluation. For any data set, please describe briefly if and how the data have been annotated.

*[NOTE: This is where a link to the data submission document could be made, but it is suggested that very detailed information about the data is only solicited after the preliminary acceptance of the proposal for further consideration.]*

# Benchmarking

Please describe what you expect participants in the benchmarking process to submit. Please also describe how the submissions should be evaluated, and why.

# Organizer Details

Please describe why your organization is interested in this project, and if you have run similar projects / benchmarks / challenges before.

Annex A:
Proposal submission questionnaire

1. **Relevance** - How relevant is the health problem to be addressed?
2. **Impact** - What level of impact will a benchmark in the context of the proposed project have?
3. **Existing work** - Does the project start from scratch, or are there preliminary experiences?
4. **Feasibility** - Is the project feasible, based on the current state of the art?
5. **Data Availability** - Is there sufficient data available? How much of it can be openly available? How much of it as part of the non-disclosed data set?
6. **Data Quality** - Is the available data of high quality?
7. **Annotation / Label Quality** - Are the annotations / labels of the data of high quality?
8. **Data Provenance** - Has the data been obtained in a professional and ethically correct way?
9. **Benchmarking** - Do the applicants have a clear proposal about what exactly should be evaluated / measured?
10. **Organizers** - Can the Focus Group work with the applicants, and do they have the time / resources to work with the Focus Group on the problem?

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