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| The International Teleocmmunication Union - Connecting the World. | **Union internationale des télécommunications****Bureau de la Normalisation des Télécommunications** |
|  |  | Genève, le 7 décembre 2023 |
| **Réf.:** | **Circulaire TSB 159**CE 13/TK | **Aux:**– Administrations des États Membres de l'Union; |
| **Contact:** |  |
| **Tél.:** | +41 22 730 5126 |
| **Télécopie:** | +41 22 730 5853 |
| **Courriel:** | tsbsg13@itu.int | **Copie:**– Aux Membres du Secteur UIT-T ;– Aux Associés de l'ITU-T participant aux travaux de la Commission d'études 13;– Aux Établissements universitaires participant aux travaux de l'UIT;– Aux Présidents et Vice-Présidents des Commissions d'études;– Au Directeur du Bureau de développement des télécommunications;– Au Directeur du Bureau des radiocommunications |
| **Objet:** | **Questionnaire sur les exigences et le cadre pour l'exploitation des technologies Big Data/Intelligence Artificielle dans les pays en développement** |

Madame, Monsieur,

À sa dernière réunion (Genève, 23 octobre – 3 novembre 2023), la Commission d'études 13 de l'UIT-T (*Réseaux futurs et technologies de réseau émergentes*) est convenue de diffuser le questionnaire sur les exigences et le cadre pour l'exploitation des technologies Big Data/Intelligence Artificielle dans les pays en développement. Ce questionnaire s'adresse aux membres des pays en développement.

Les responsables de l'étude de la Question 5/13 (*Application des réseaux du futur et de l'innovation dans les pays en développement*) confiée à la Commission d'études 13 élaborent actuellement une recommandation sur les exigences et le cadre pour l'exploitation des technologies *Big Data/Intelligence Artificielle dans les pays en développement*. L'analyse des réponses fournies dans le cadre de cette enquête permettra d'appuyer les travaux sur la Question 5/13 en vue d'élaborer la recommandation susmentionnée.

Je vous invite à participer à cette enquête et vous saurais gré de bien vouloir remplir le questionnaire reproduit dans l'**Annexe 1**, au plus tard le **2 février 2024**. Toutefois, pour faciliter la collecte et l'analyse des réponses, nous vous invitons à utiliser la version en ligne du questionnaire, disponible à l'adresse: <https://www.research.net/r/Big-Data-AI-Tech>. Si vous rencontrez des difficultés pour ouvrir la version en ligne, vous pouvez utiliser le formulaire fourni dans l'Annexe 1.

Je tiens à vous remercier par avance de votre participation à cette enquête. Votre avis nous est précieux.

Veuillez agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

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| *(signé)*Seizo OnoeDirecteur du Bureau de la normalisationdes télécommunications**Annexe**: 1 | A qr code with a black and white background  Description automatically generated |

ANNEX 1
Questionnaire on Requirements and Framework for the exploitation of Big Data/Artificial Intelligence technologies in developing countries

Responder’s information

|  |  |
| --- | --- |
| Country: |   |
| Sector: |   |
| Organization: |   |
| Name: |   |
| Telephone: |   |
| E-Mail: |   |

*Topic*: **Draft new Recommendation ITU-T Y.expBDtech-frame “Requirements and Framework for the exploitation of Big Data/Artificial Intelligence technologies in developing countries”**

*Purpose*: Use the contribution of developing countries to collect useful data on advances in industrialization-oriented applications of artificial intelligence to justify the need to establish requirements and framework for exploitation of Big Data/Artificial Intelligence technologies in developing countries.

*Instructions*: multiple choice questions – just tick the answers that apply to you.

***Part 1: Questions relating to demographic factors***

**Question 1.1:** In your opinion, which gender in your country is more interested in Big Data and Artificial Intelligence technologies? (Please choose only one.)

[ ]  Male

[ ]  Female

**Question 1.2:** What age group in your country shows more interest in implementing Artificial Intelligence and exploiting Big Data? (Please choose only one.)

[ ]  Less than 29 years old;

[ ]  30 to 44 years old;

[ ]  45 to 59 years old;

[ ]  60 to 74 years old;

[ ]  More than 75 years old.

**Question 1.3**: Which actor(s) in your country are most likely to finance a national strategy for Artificial Intelligence/Big Data? (Please select as appropriate.)

[ ]  The government;

[ ]  The regulator;

[ ]  The private sector;

[ ]  Civil society;

[ ]  Other (please specify):………………………………………………

**Question 1.4:** Which actor(s) in your country are most likely to finance initiatives to implement Artificial Intelligence and exploit Big Data? (Please select as appropriate.)

[ ]  The government;

[ ]  Universities and/or research institutions

[ ]  The private sector;

[ ]  Civil society;

[ ]  Other (please specify):………………………………………………

**Question 1.5:** In your country, who is/are responsible for building data centers for the purpose of storing, hosting and securing data? (Please select as appropriate.)

[ ]  The government;

[ ]  The private sector;

[ ]  Civil society;

[ ]  Non-governmental organizations;

[ ]  Other (please specify):………………………………………………

**Question 1.6**: In your country, what initiatives have been taken by the Government to implement Artificial Intelligence or exploit Big Data? (Please select as appropriate.)

[ ]  Scientific Research;

[ ]  Capacity building of qualified people in the field of Big Data/Artificial Intelligence;

[ ]  Industrialization of Big Data/Artificial Intelligence technologies;

[ ]  Ethical standards in Big Data/Artificial Intelligence;

[ ]  Other (please specify):………………………………………………

***Part 2: Questions relating to the subject of the study***

**2.1 The interest of the State**

**Question 2.1.1**: In your country, is the Government putting in place strategies and initiatives to help growth sectors of economy such as agriculture in particular? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.1.2**: Is the Government of your country considering or implementing ICT strategies and initiatives to boost growth sectors of economy such as agriculture, health, tourism, etc.? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.1.3:** Is the Government considering/implementing specific strategies or initiatives in Big Data/Artificial Intelligence in growth sectors of economy such as agriculture, health, tourism, etc.? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

***2.2. The existence and daily use of data centers***

**Question 2.2.1**: Have data centers allowed public administrations and the private sector to store their data locally? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.2.2**: Do agricultural companies that use ICT tools (applications and information systems) to improve their economic return, save their data in national data centers? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.2.3:** Can the data generated by the ICT tools of agricultural companies be used to be processed and analyzed using BigData/Artificial Intelligence technologies in order to prevent situations of national food shortages? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

***2.3. Current status of the legal and regulatory framework***

**Question 2.3.1**: Is there a national legal and regulatory framework for the development of ICTs or innovation in your country? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.3.2**: Is there a specific and national legal and regulatory framework for Artificial Intelligence or Big Data? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.3.3**: Will the national strategy for Big Data or artificial intelligence equip the regulator and the private sector to effectively use these technologies to serve citizens? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

***2.4. State confidence in the usefulness of Big Data/Artificial Intelligence technologies***

**Question 2.4.1**: Does the State grant specific financial and technical resources to companies operating in Big Data/Artificial Intelligence? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.4.2**: Does the State finance training in Big Data and/or Artificial Intelligence? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

**Question 2.4.3**: Does the State fund universities and research institutions in the context of Big Data and/or Artificial Intelligence? (Please choose only one.)

[ ]  Strongly Disagree;

[ ]  Disagree;

[ ]  Neutral;

[ ]  Agree;

[ ]  Strongly Agree.

*Thank you for your active participation in this survey!*

If you have questions, please, contact us at tsbsg13@itu.int.

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