

1. What are the most important **achievements** arising from WSIS that should be highlighted in the Zero Draft? *

N/A

2. What are the most important **challenges** to the achievement of WSIS outcomes to date and in the future that need to be addressed in the Zero Draft? *

N/A

3. What are the most important **priorities** for action to achieve the WSIS vision of a 'people-centred, inclusive and development-oriented Information Society' in the future, taking into account emerging trends? *

N/A

4. What **additional themes/issues**, if any, should be included in the Elements Paper? *

N/A

5. Do you wish to comment on **particular themes/issues/paragraphs** in the Elements Paper? *

yes. UNEP proposes to make the following edits to the Elements Paper based on the existing text:

Environmental impacts:

25. ICTs play a growing role in supporting environmental sustainability. Progress has been made in the use of ICT tools like remote sensing, and artificial intelligence to monitor and enforce emissions and environmental regulations, strengthen early warning systems and track ecosystem degradation. Smart systems also improve energy use and public service efficiency, while open data platforms aid transparency and accountability. Digital twins, product traceability systems, and digital public infrastructure are emerging as powerful tools to advance circularity, climate resilience, address pollution and environmental protection.

26. However, the environmental footprint of ICTs is rising. Energy consumption, GHG emissions, water use, demand for scarce minerals, and mounting e-waste volumes pose sustainability challenges. Resource extraction for digital devices and inadequate e-waste handling infrastructure remain key concerns. Cross-sectoral competition for critical minerals—driven by the digital and energy transitions—is also intensifying supply chain and equity risks.

27. Feedback is encouraged on ways to reduce the sector's environmental impact, including :

- Advance sustainable AI governance, including environmental disclosure frameworks across the AI lifecycle;
- Standardize digital product sustainability information and scale digital product passports;
- Strengthen e-waste management and extended producer responsibility systems using digital tools, including AI;
- Advancing circular economy approaches, improving recycling, and setting sustainability standards for digital technologies.
- Track, trace and circularize critical minerals in ICT supply chains;
- Expand digital infrastructure to deliver Early Warning for All by 2027;
- Build national capacities for environmental digitalization and the adoption of green national strategies for digital transformation, AI and data
- Adopt a global approach to environmental data governance, including interoperable standards, equitable access, and quality assurance frameworks, in line with UNEA Resolution 4/23.

6. What suggestions do you have to support the development of the **WSIS framework** (WSIS Action Lines, IGF, WSIS Forum, UNGIS etc.)? *

N/A

7. Do you have any **other** comments? *

N/A

8. Who is **submitting** this input? *

Kindly provide the name of the person submitting this input, as well as the associated country, organization, stakeholder type, and relevant contact information

Sally Radwan, UNEP Chief Digital Officer

9. Please provide your **e-mail** address: *

Please enter an email