

1.Ensuring that artificial intelligence (AI) bridges gaps & inequalities rather than aggravating them requires a multi-faceted approach that includes ethical design, robust governance, & diverse stakeholder involvement. To achieve this, here are five recommendations:

- Encourage **diversity** in AI development teams to ensure a range of perspectives & experiences. This can help identify & mitigate biases in AI systems.
- Engage with the **communities** most likely to be impacted by AI to **co-design** solutions that meet their needs & avoid unintended consequences.
- Implement thorough testing for **algorithmic bias** & discrimination throughout the AI development lifecycle to avoid reinforcing existing disparities.
- Develop & follow **ethical frameworks that prioritize fairness**, transparency, & accountability in AI systems, particularly for vulnerable or marginalized groups, to maintain trust & prevent exploitation.
- Establish processes for **continuous monitoring & auditing** of AI systems to identify & correct biases as they arise.

Combining these 5 recommendations also requires ongoing vigilance & commitment to ensure that AI systems do not inadvertently harm or exclude any group.

2. Artificial Intelligence (AI) has significant potential to address and close gaps and inequalities across various sectors. This includes the **education** sector, which provides Language Translation, and Accessibility Tools for students from diverse backgrounds, learners with disabilities, and people in remote and underserved areas to bridge gaps in access to quality education and language barriers. Thus, it reduces disparities, promotes equity and fosters inclusivity.

3. Two institutions that have closed inequality gaps & can be amplified to benefit national frameworks by UN member states are The Organization for Women in Science for the Developing World (**OWSD**) and The World Academy of Sciences (**TWAS**). **OWSD** addresses gender and geographical disparities in science, technology, engineering, and mathematics (STEM) by including and advancing women in scientific disciplines, specifically targeting women from developing countries. This helps balance gender representation in STEM fields, traditionally dominated by men. The organization advocates for policies and practices that support women's inclusion and advancement in STEM, raising awareness about the unique challenges women face in these fields.

TWAS is working to close the inequalities gap by promoting scientific advancement, building research capacity, fostering international collaboration, advocating for science policy, supporting gender equity, and recognizing scientific excellence. This comprehensive approach helps create a more inclusive and equitable global scientific community. These, for example, illustrate various approaches to reducing inequality gaps. By studying & adapting these successful models, UN member states can develop national frameworks that foster inclusion, equity, & social justice. Additionally, collaboration & knowledge-sharing among nations can further amplify these efforts to create a more equitable global society.

I thank you.

One minute: AI presents the considerable potential to address & reduce gaps & inequalities, but it requires a thoughtful, ethical approach to ensure that its benefits are distributed equitably & that it doesn't inadvertently exacerbate existing disparities. **Robust governance**, diverse stakeholder involvement, & ongoing monitoring are essential to harness AI's potential for social good.