



# SUMMIT OF THE FUTURE INFORMATION CLEARINGHOUSE

**BULLETIN NO. 54:**

**Pact for the Future**

**Chapter 3 Science, Technology and Innovation and Digital Cooperation**

**Comparison between Rev.2 and Rev.3**



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## Pact for the Future: Chapter 3 on Science, Technology and Innovation and Digital Cooperation

### Comparison between Rev.2 and Rev.3

#### ABOUT:

The [Zero Draft](#) of the Pact for the Future was released on January 26th, 2024, marking the start of formal negotiations in preparation for the Summit of the Future (SOTF) scheduled for September 2024. A chapter-by-chapter first reading in early February led to a compilation text, followed by a paragraph-by-paragraph second reading from late February through April. A revised [compilation text](#) was then circulated on April 3rd, 2024 (see [here](#) ICH bulletin #28 for details on the first and second readings). To align with the Membership's goal of making the Pact for the Future more concise and action-oriented, [Rev.1](#) was issued on May 14th, 2024 (see [here](#) ICH bulletin #35 for a comparison of the Zero Draft and Rev.1). The second revision, [Rev.2](#), was subsequently released on July 17th, 2024 (see [here](#) ICH bulletin #46 a comparison between Rev.1 and Rev.2) followed by the third revision [Rev.3](#) on August 27th, 2024. This bulletin will focus on Chapter 3: Science, Technology, and Innovation and Digital Cooperation, comparing Rev.2 and Rev.3 to provide detailed insights.

#### EXECUTIVE SUMMARY:

The latest revisions in Rev.3 bring several key enhancements that emphasize inclusivity, global cooperation, and the importance of tailoring strategies to diverse contexts. By specifying "**Billions of people**," the document underscores the global scale of the issues at hand, making the statement more impactful. The shift in focus from preventing exclusivity to promoting the necessity of **sharing** science, technology, and innovation highlights the importance of **global collaboration**. Rev.3 places a stronger emphasis on the broader impacts of science, technology, and innovation on human rights and sustainable development, ensuring these advancements are **accessible to all**. The inclusion of **climate action**, peaceful technology use, and the development of **local innovation ecosystems** reflects a more inclusive and context-specific approach. Additionally, Rev.3 introduces "**global collaboration on innovation**," simplifies collaboration terminology, and expands support for developing countries by detailing various methods such as **policy exchanges**, **knowledge sharing**, and technical assistance. It also emphasizes respect for **Indigenous Peoples**, highlights the vulnerabilities of **women migrant workers**, and underscores the importance of planning and foresight. Overall, Rev.3 represents a more comprehensive, inclusive, and adaptable strategy for leveraging science, technology, and innovation in addressing global challenges.

**DISCLAIMER:** This bulletin aims to provide recent updates and is not a complete summary or official record of the SOTF proceedings. It has been prepared independently and does not necessarily represent the viewpoints of any collaborating organizations. For further details, please reach out to Fergus Watt at [ferguswatt6@gmail.com](mailto:ferguswatt6@gmail.com). The content is freely distributed as it is not copyrighted.

## HEADLINES:

- Rev.3 specifies **"Billions of people,"** making the statement more impactful and emphasizing the global scale of the issue.
- The shift from preventing exclusivity to promoting the necessity of sharing science, technology, and innovation underscores the importance of global cooperation.
- Rev.3 emphasizes the broader impact on both human rights and sustainable development by expanding references to these aspects in the context of science and technology.
- The inclusion of **"inclusive"** broadens the focus, ensuring that advancements in science, technology, and innovation are accessible to everyone.
- The addition of **"engagement with relevant stakeholders"** alongside "international cooperation" highlights the importance of comprehensive collaboration.
- Rev.3 introduces **"global collaboration on innovation"** and simplifies "multi- and transdisciplinary" to **"inter-disciplinary"** collaboration.
- The inclusion of **climate action**, peaceful use of technology, and developing local innovation ecosystems underscores a more inclusive and context-specific strategy.
- Rev.3 expands on support for developing countries by detailing methods such as **policy exchanges, knowledge sharing,** and **technical assistance** tailored to their needs.
- The phrase "taking into account different national circumstances" emphasizes context-specific cooperation.
- The shift to **"develops local innovation ecosystems"** highlights the importance of nurturing innovation environments within developing countries.
- Slight adjustments in language, such as "promote and maintain stable and resilient global supply chains," enhance the focus on resilience.
- The introduction of **"new and emerging technologies"** and the addition of assistive technologies for persons with disabilities expand the scope and inclusivity of the commitments.
- The emphasis on addressing "all forms of violence, including **sexual** and gender-based violence," and highlighting the vulnerabilities of **women migrant workers**, makes the language more comprehensive.
- Rev.3 emphasizes respect and engagement with Indigenous Peoples by including the principle of **"free, prior and informed consent"**.
- The expansion to include **"planning, futures thinking and foresight"** broadens the scope of the United Nations' role in leveraging science, technology, and innovation.
- A more exploratory approach is indicated by the change to "exploring ways to strengthen the capacity and expertise of United Nations Country Teams."

## METHODOLOGY:

This bulletin will focus on Chapter 3, comparing Rev.2 and Rev.3. It will identify key terminology and language changes that were removed, modified, maintained, or added in Rev.3. The table will have five columns: the first column will display the original Zero Draft content, the second will show Rev.1 content, the third will present Rev.2 content, the fourth will contain Rev.3 content, and the fifth column will include the author's observations on content changes between Rev.2 and Rev.3. Additionally, in the 'Author's Observations' column, it explains the content's journey from Rev.2 to Rev.3, detailing whether content was maintained, modified, removed, or added. New or revised content in Rev.3 is highlighted in **Yellow**, while content removed is marked in **Red** for reference.

## RESOURCES:

1. [Rev.3 of the Pact of the Future](#)
2. [Rev.2 of the Pact of the Future](#)
3. [Rev.1 of the Pact of the Future](#)
4. [Compilation text \(as of 3 April 2024\)](#)
5. [Zero draft of the Pact for the Future](#)

## Comparison:

### Comparison between Zero Draft and Rev.1

Zero Draft (January 2024)	Rev.1 (14 May 2024)	Rev.2 (17 July 2024)	Rev.3 (27 August 2024)	Authors Observation
<p>91. We acknowledge the contribution of science, technology and innovation to sustainable development and as a critical source of economic growth and industrial development. We recognize that rapid technological change, in particular, can contribute to the faster achievement of the 2030 Agenda by improving real incomes, enabling faster and wider deployment of novel solutions, supporting more inclusive forms of participation and more sustainable modes of production, and giving policymakers powerful planning tools.</p>	<p>30. Science, technology and innovation have the potential to accelerate the realization of the United Nations' aspirations across all three pillars of its work. We will only realize this potential if we act now to harness the benefits and take bold and ambitious steps to bridge the growing divide between developed and developing countries. There are too many people in our world, especially the poorest and most vulnerable in developing countries, that do not have access to critical life-changing technologies. If we are to make good on our promise to leave no one behind, science and technology cannot be the preserve of the few. Innovations that can make our planet more sustainable and our countries more prosperous should be shared by all of humanity.</p>	<p>48. Science, technology and innovation have the potential to accelerate the realization of the United Nations' aspirations across all three pillars of its work. We will only realize this potential through international cooperation to harness the benefits and take bold ambitious and decisive steps to bridge the growing divide within and between developed and developing countries and accelerate progress on the 2030 Agenda. Too many people in our world, especially in developing countries, do not have meaningful access to critical life-changing technologies. If we are to make good on our promise to leave no one behind, science, technology and innovation cannot be the preserve of the few. Innovations and scientific breakthrough that can make our planet more sustainable and our countries more prosperous and resilient should be affordable and accessible to all.</p>	<p>51. Science, technology and innovation have the potential to accelerate the realization of the United Nations' aspirations across all three pillars of its work. We will only realize this potential through international cooperation to harness the benefits and take bold, ambitious and decisive steps to bridge the growing divide within and between developed and developing countries and accelerate progress on the 2030 Agenda. Billions of people, especially in developing countries, do not have meaningful access to critical life-changing technologies. If we are to make good on our promise to leave no one behind, sharing science, technology and innovation is essential. Innovations and scientific breakthrough that can make our planet more sustainable and our countries more prosperous and resilient should be affordable and accessible to all.</p>	<p>The phrase <b>"Too many people in our world"</b> has been changed to <b>"Billions of people,"</b> making the statement more specific and impactful by quantifying the number of people affected.</p> <p><b>"Science, technology and innovation cannot be the preserve of the few."</b> In Rev.3 it is replaced with <b>"sharing science, technology and innovation is essential."</b> The revision shifts the focus from preventing exclusivity to promoting the necessity of sharing these advancements. These changes in Rev.3 aim to clarify the scale of the issue, underline the importance of sharing technology, and make the text more impactful and concise.</p>



<p>92. We undertake to increase the use of science and scientific evidence in policymaking. We recognize that solutions to complex global challenges call for cross- and trans-disciplinary collaboration and a strong science-policy-society interface in order to build trust in science. We encourage the United Nations system to take an active role in forging closer links with national and multilateral science advisory bodies to optimally leverage science, technology and innovation for the Sustainable Development Goals. We welcome the establishment of the Secretary-General's Scientific Advisory Board.</p>	<p>31. At the same time, we must responsibly manage the risks of science and technology, in particular the ways in which science, technology and innovation can perpetuate and deepen divides and patterns of discrimination and inequality within and between countries and threaten human rights. We will deepen our partnerships with relevant stakeholders, especially the international financial institutions, the private sector and academia, and we will ensure science, technology and innovation is a catalyst for a more sustainable, secure and prosperous world.</p>	<p>49. At the same time, we must responsibly manage the potential risks posed by science and technology, in particular the ways in which science, technology and innovation can perpetuate and deepen divides, in particular gender divides, and patterns of discrimination and inequality within and between countries and adversely impact human rights. We will deepen our partnerships with relevant stakeholders, especially the international financial institutions, the private sector, the technical and academic communities, and civil society, and we will ensure science, technology and innovation is a catalyst for a more equitable, sustainable, and prosperous world for all, in which all human rights are fully respected.</p>	<p>52. At the same time, we must responsibly manage the potential risks posed by science and technology, in particular the ways in which science, technology and innovation can perpetuate and deepen divides, in particular gender divides, and patterns of discrimination and inequality within and between countries and adversely impact the enjoyment of human rights and progress on sustainable development. We will deepen our partnerships with relevant stakeholders, especially the international financial institutions, the private sector, the technical and academic communities, and civil society, and we will ensure science, technology and innovation is a catalyst for a more inclusive, equitable, sustainable, and prosperous world for all, in which all human rights are fully respected.</p>	<p>Rev.2 states that science, technology, and innovation can <b>"adversely impact human rights."</b> Rev.3 expands this to <b>"adversely impact the enjoyment of human rights and progress on sustainable development."</b> This addition emphasizes the broader impact on both human rights and sustainable development, highlighting the importance of these aspects in the context of science and technology.</p> <p>Rev.2 focuses on ensuring science, technology, and innovation are a catalyst for a <b>"more equitable, sustainable, and prosperous world for all."</b> Rev.3 revises this to a <b>"more inclusive, equitable, sustainable, and prosperous world for all."</b> The inclusion of "inclusive" in Rev.3 broadens the focus, ensuring that these advancements are not only fair but also accessible to everyone.</p>
<p>93. We note with deep concern the existing disparities between developed and developing countries in terms of conditions, possibilities and capacities to produce new scientific and technological knowledge and to generate innovation.</p>	<p>32. Digital and emerging technologies, including artificial intelligence, are dramatically changing our world and offer huge potential for progress for people and planet in the future. We are determined to realize this potential and manage the risks through enhanced international cooperation. We have annexed a Global Digital</p>	<p>50. Digital and emerging technologies, including artificial intelligence, play a significant role as enablers of sustainable development and are dramatically changing our world. They offer huge potential for progress for the benefit of people and planet today and in the future. We are determined to realize this potential and manage the risks through</p>	<p>53. Digital and emerging technologies, including artificial intelligence, play a significant role as enablers of sustainable development and are dramatically changing our world. They offer huge potential for progress for the benefit of people and planet today and in the future. We are determined to realize this potential and manage the risks through enhanced</p>	<p>In Rev.2, the text emphasizes managing risks through <b>"enhanced international cooperation."</b> In Rev.3, this is expanded to include <b>"engagement with relevant stakeholders"</b> along with "enhanced international cooperation."</p>

	Compact to this Pact in this regard	enhanced international cooperation by promoting an inclusive, responsible and sustainable digital future. We have annexed a Global Digital Compact to this Pact in this regard.	international cooperation, engagement with relevant stakeholders, and by promoting an inclusive, responsible and sustainable digital future. [We have annexed a Global Digital Compact to this Pact in this regard].	
<p>94. We reaffirm that the creation, development and diffusion of innovations and new technologies and associated know-how, including the transfer of technology on mutually agreed terms, are powerful drivers of economic growth and sustainable development. We reiterate the need to accelerate the transfer of environmentally sound technologies to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed, and we note the importance of facilitating access to and sharing accessible and assistive technologies.</p>	<p><b>Action 25. We will seize the opportunities presented by science, technology and innovation for the benefit of people and planet.</b></p> <p>33. We will be guided by the principles of equity and solidarity, and promote the responsible and ethical use of science, technology and innovation. We agree to:</p> <p>(a) Foster an open, fair, inclusive and non-discriminatory environment for scientific and technological development and cooperation worldwide, including through actively building trust in science.</p> <p>(b) Increase the use of science and scientific evidence in policymaking and ensure that complex global challenges are addressed through multidisciplinary collaboration, including the social sciences, arts and humanities.</p> <p>(c) Encourage talent mobility and circulation, and support</p>	<p><b>Action 30. We will seize the opportunities presented by science, technology and innovation for the benefit of people and planet.</b></p> <p>51. We will be guided by the principles of equity and solidarity, and promote the responsible and ethical use of science, technology and innovation. We decide to:</p> <p>(a) Foster and promote an open, fair, and inclusive environment for scientific and technological development and cooperation worldwide, including through actively building trust in science.</p> <p>(b) Increase the use of science, scientific knowledge and scientific evidence in policy-making and ensure that complex global challenges are addressed through multi- and transdisciplinary collaboration.</p>	<p><b>Action 30. We will seize the opportunities presented by science, technology and innovation for the benefit of people and planet.</b></p> <p>54. We will be guided by the principles of equity and solidarity, and promote the responsible and ethical use of science, technology and innovation. We decide to:</p> <p>(a) Foster and promote an open, fair and inclusive environment for scientific and technological development and cooperation worldwide, including through actively building trust in science and global collaboration on innovation.</p> <p>(b) Increase the use of science, scientific knowledge and scientific evidence in policy-making and ensure that complex global challenges are addressed through inter-disciplinary collaboration.</p>	<p>The phrase "<b>and global collaboration on innovation</b>" is added at the end of Rev.3.</p> <p>The phrase "<b>multi- and transdisciplinary collaboration</b>" in Rev.2 point (b) is replaced with "<b>inter-disciplinary collaboration</b>" in Rev.3 point.</p>

	<p>developing countries to provide suitable working conditions and opportunities for their skilled workforce to retain talent and prevent a brain drain.</p>	<p>(c) Encourage talent mobility and circulation, including through educational programs, and support developing countries to retain talent and prevent a brain drain while providing suitable educational and working conditions and opportunities for the workforce.</p>	<p>(c) Encourage talent mobility and circulation, including through educational programs, and support developing countries to retain talent and prevent a brain drain while providing suitable educational and working conditions and opportunities for the workforce.</p>	
<p>95. We reaffirm the Beijing Declaration and Platform for Action, in which it is recognized that it is essential that all women not only benefit from technology, but also participate in the process from the design to the application, monitoring and evaluation stages. We pledge to harness the potential of technology and innovation to improve women's and girls' lives and to close the development divide and the digital divide, including the gender digital divide, as well as address the risks and challenges emerging from the use of technologies. We commit to addressing persistent barriers to equal access for women and girls to science, technology and innovation.</p>	<p><b>Action 26. We will scale-up the means of implementation to developing countries to strengthen their science, technology and innovation capacities.</b></p> <p>34. Science, technology and innovation are critical to support sustainable growth and accelerate the implementation of the 2030 Agenda. It is imperative that we bridge the science, technology and innovation gap between developed and developing countries, particularly those in special situations. We agree to:</p>	<p><b>Action 31. We will scale up the means of implementation to developing countries to strengthen their science, technology and innovation capacities.</b></p> <p>52. Science, technology and innovation are critical to support sustainable growth and accelerate the implementation of the 2030 Agenda. It is imperative that we collaborate to bridge the science, technology and innovation gap within and between developed and developing countries, to support developing countries to harness science, technology and innovation to achieve sustainable development, particularly those in special situations. We reiterate the need to accelerate the transfer of environmentally sound technologies to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed. We decide to:</p>	<p><b>Action 31. We will scale up the means of implementation to developing countries to strengthen their science, technology and innovation capacities.</b></p> <p>55. Science, technology and innovation are critical to support and enable sustainable growth and climate action and accelerate the implementation of the 2030 Agenda. It is imperative that we collaborate to bridge the science, technology and innovation gap within and between developed and developing countries, to support developing countries to peacefully harness science, technology and innovation to achieve sustainable development, particularly those in special situations, as well as those facing specific challenges. We reiterate the need to accelerate the transfer of environmentally sound technologies to developing countries on mutually agreed terms. We decide to:</p>	<p>Rev.3: Adds <b>"and climate action"</b> to emphasize the role of STI in climate initiatives.</p> <p>Rev.3: Adds the need for developing countries to <b>"peacefully harness"</b> STI, addressing the peaceful use of technology.</p> <p>Rev.2: References countries <b>"in special situations."</b> is expands in Rev.3: by including <b>"those facing specific challenges,"</b> broadening the focus.</p>



	<p>(a) Ensure science, technology and innovation contributes to our efforts to eradicate poverty in all its forms and dimensions, including in the areas of food and nutrition, health, water and sanitation, energy, climate and environment.</p> <p>(b) Accelerate the transfer of environmentally sound technologies to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed.</p> <p>(c) Build capacity in and scale up the development, deployment and sustainable utilization of emerging technologies for the achievement of the Sustainable Development Goals, especially by developing countries.</p> <p>(d) Call upon developed countries to assist developing countries in capacity-building in science, technology and innovation through policy</p>	<p>(a) Ensure science, technology and innovation contributes to our efforts to eradicate poverty in all its forms and dimensions and hunger, and to reduce inequalities, in addition to areas such as of food security and nutrition, health, education, social protection water and sanitation, energy, climate and environment.</p> <p>(b) Increase capacity building efforts, in particular by developed countries and those developing countries in a position to do so, in science, technology and innovation.</p> <p>(c) Support the development, deployment and sustainable use of emerging and open-source technologies and support policies towards open science and open innovation and know-how for the achievement of the Sustainable Development Goals, especially by developing countries.</p> <p>(d) Strengthen North-South cooperation, South-South and triangular cooperation to build capacity for and improve access to</p>	<p>(a) Ensure science, technology and innovation contributes to our efforts to eradicate poverty in all its forms and dimensions and hunger, and to reduce inequalities, in addition to areas such as of food security and nutrition, health, education, social protection, water and sanitation, energy, climate and environment.</p> <p>(b) Increase efforts to support developing countries, in particular by developed countries and those developing countries in a position to do so, with capacity-building in science, technology and innovation through policy exchanges, knowledge sharing, technical assistance, financing, joint international research and personnel training tailored to specific needs, policies and priorities of developing countries.</p> <p>(c) Support the development, deployment and sustainable use of emerging and open source technologies and support policies towards open science and open innovation and know-how for the achievement of the Sustainable Development Goals, especially in developing countries.</p> <p>(d) Strengthen North-South cooperation, South-South and triangular cooperation, while taking into account different national</p>	<p>Rev.2: Focuses on "<b>capacity-building efforts</b>" by developed countries and others. In Rev.3: it Expands on how support should be provided, including "<b>policy exchanges, knowledge sharing, technical assistance, financing, joint international research, and personnel training tailored to specific needs, policies, and priorities of developing countries.</b>"</p> <p>Rev.2: Calls for strengthening North-South, South-South, and triangular cooperation. Whereas Rev.3: Adds "<b>while taking into account</b></p>
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	<p>exchanges, knowledge sharing, technical assistance, financing, joint international research and personnel training tailored to specific needs, policies and priorities of developing countries.</p> <p>(e) Strengthen North-South, and where capacities are available, South-South and triangular cooperation to build capacity for and improve access to science, technology and innovation, and to increase resources for the implementation of technical and scientific initiatives.</p> <p>(f) Scale up financing of relevant scientific research that supports sustainable development and increase opportunities for research cooperation.</p> <p>(g) Attract and support private sector investment in science, technology and innovation, and deepen public-private partnerships by fostering a conducive environment in</p>	<p>science, technology and innovation, and to increase resources for the implementation of technical and scientific initiatives.</p> <p>(e) Scale up financing from all sources for scientific research and research infrastructure that supports sustainable development and increase opportunities for research cooperation, especially in developing countries.</p> <p>(f) Attract and support private sector investment in science, technology and innovation, and deepen public-private partnerships by fostering a conducive environment in developing countries that encourages investment and entrepreneurship and promotes decent work, and by ensuring that innovation can reach global markets.</p> <p>(g) Promote resilient, and stable global supply chains and make scientific and technological products and services more accessible to all.</p>	<p>circumstances, to build capacity for and improve access to science, technology and innovation, and to increase resources for the implementation of technical and scientific initiatives.</p> <p>(e) Scale up financing from all sources for scientific research and research infrastructure that supports sustainable development and increase opportunities for research cooperation, especially in developing countries.</p> <p>(f) Attract and support private sector investment in science, technology and innovation, and deepen public-private partnerships by fostering a conducive environment in developing countries that encourages investment and entrepreneurship, develops local innovation ecosystems, and promotes decent work, and by ensuring that innovation can reach global markets.</p> <p>(g) Promote and maintain stable and resilient global supply chains to make scientific and technological products and services more accessible to all.</p>	<p><b>different national circumstances"</b> to make cooperation more context-specific.</p> <p>Rev.2: Focuses on attracting private sector investment and fostering public-private partnerships. Whereas Rev.3: Adds "<b>develops local innovation ecosystems"</b> to highlight the importance of nurturing innovation environments within developing countries.</p> <p>Rev.2: Emphasizes promoting resilient and stable global supply chains. Whereas Rev.3: Adjusts the language slightly to "<b>Promote and maintain stable and resilient</b></p>
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	<p>developing countries that encourages investment and entrepreneurship and by ensuring that innovation can reach global markets.</p>			<p><b>global supply chains,"</b> enhancing the focus on maintaining resilience.</p>
<p>96. We recognize the need to mobilize and scale up the means of implementation, including financing, for science, technology and innovation, especially in developing countries, in support of the Sustainable Development Goals.</p>	<p><b>Action 27. We will uphold intellectual property rights and apply flexibilities when we can to support developing countries achieve sustainable development.</b></p> <p>35. We recognize the importance of intellectual property rights to progress on science, technology and innovation. We agree to:</p> <p>(a) Protect and enforce intellectual property rights to build trust and encourage and enhance the transfer, promotion and dissemination of technological innovation, on mutually agreed terms.</p> <p>(b) Apply the flexibilities enshrined in relevant international legal obligations in the field of intellectual property rights, where applicable, to enable developing countries to deploy technological innovations.</p>	<p><b>Action 32. We will uphold intellectual property rights to support developing countries achieve sustainable development.</b></p> <p>53. We recognize the importance of intellectual property rights to progress on science, technology and innovation. We decide to:</p> <p>(a) Protect and enforce intellectual property rights to promote technological innovation, build trust and contribute to the transfer and dissemination of technology on mutually agreed terms.</p> <p>(b) Uphold the agreements enshrined in relevant international legal obligations related to trade and intellectual property rights, including the right of Member States to use the flexibilities contained therein, to facilitate access for developing countries to scientific and technological innovations.</p>	<p><b>Action 32. We will uphold intellectual property rights to support developing countries achieve sustainable development.</b></p> <p>56. We recognize the importance of intellectual property rights to progress on science, technology and innovation and the achievement of sustainable development. We decide to:</p> <p>(a) Protect and enforce intellectual property rights to promote technological innovation, build trust and contribute to the transfer and dissemination of technology on mutually agreed terms.</p> <p>(b) Uphold the rights and obligations enshrined in relevant agreements related to trade and intellectual property rights, including the right of Member States to use the flexibilities contained therein, recognizing the need to support developing countries in benefiting from scientific and technological innovations.</p>	<p>Rev.3 introduces minor wording changes by adding <b>"and the achievement of sustainable development"</b> to make the commitments more explicit, especially in terms of supporting developing countries.</p> <p>Rev.3: Adds the phrase <b>"rights and obligations"</b> and specifies the recognition of <b>"the need to support developing countries in benefiting from scientific and technological innovations,"</b> making the commitment to assisting developing countries more explicit.</p>

<p>97. We resolve to take action to enhance the ability of developing countries to benefit from science, technology and innovation. We commit to addressing the major structural impediments to accessing new and emerging technologies, including by scaling up the use of open science, affordable and open-source technology, research and development.</p>	<p><b>Action 28. We will ensure that science, technology and innovation contribute to the full enjoyment of human rights by all.</b></p> <p>36. We recognize the opportunities and risks presented by science, technology and innovation to upholding human rights. We agree to:</p> <p>(a) Ensure that all scientific and technological research is conducted in a responsible manner that respects human rights, and protects the autonomy, freedom and safety of scientific researchers.</p> <p>(b) Integrate a human rights-based perspective to norm-setting processes for new and emerging technologies.</p> <p>(c) Ensure that all marginalized groups benefit from and can participate in the development and application of science, technology and innovation.</p>	<p><b>Action 33. We will ensure that science, technology and innovation contribute to the full enjoyment of human rights by all.</b></p> <p>54. We recognize the opportunities and risks presented by science, technology and innovation to promoting, protecting and fulfilling all human rights, including the right to development. We decide to:</p> <p>(a) Ensure that all scientific and technological research is conducted in a responsible and ethical manner that protects and promotes all human rights, and protects the autonomy, freedom and safety of scientific researchers.</p> <p>(b) Integrate a human rights perspective into regulatory and norm-setting processes for new and emerging technologies and call on the private sector to respect human rights and uphold ethical principles in the development and use of new technologies.</p> <p>(c) Ensure that people in vulnerable situations benefit from and fully and meaningfully participate in the development and application of science, technology and innovation.</p>	<p><b>Action 33. We will ensure that science, technology and innovation contribute to the full enjoyment of human rights by all.</b></p> <p>57. We recognize the opportunities and risks presented by science, technology and innovation to promoting, protecting and fulfilling all human rights. We decide to:</p> <p>(a) Ensure that all scientific and technological research is conducted in a responsible and ethical manner that protects and promotes all human rights, and protects the autonomy, freedom and safety of scientific researchers.</p> <p>(b) Integrate a human rights perspective into regulatory and norm-setting processes for new and emerging technologies and call on the private sector to respect human rights and uphold ethical principles in the development and use of new and emerging technologies.</p> <p>(c) Ensure that persons in vulnerable situations benefit from and fully and meaningfully participate in the development and application of science, technology and innovation.</p>	<p>Rev.3: Removes the specific mention of the "<b>right to development</b>" but keeps the focus on promoting, protecting, and fulfilling all human rights. The overall context remains the same, but the wording is slightly simplified</p> <p>Rev.3: Adds "<b>new and emerging technologies,</b>" expanding the scope to include the latest technological advancements.</p> <p>Rev.3: Changes <b>people</b> to "<b>persons in vulnerable situations,</b>" a minor adjustment for consistency and clarity.</p>
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		<p>(d) Seize on opportunities provided by new and emerging technologies to empower and advance equity for persons with disabilities.</p>	<p>(d) Seize on opportunities provided by new and emerging technologies to empower and advance equity for persons with disabilities, including through promoting the availability of assistive technologies</p>	<p>Rev.3: Expands by adding <b>"including through promoting the availability of assistive technologies,"</b> making the commitment more specific to the needs of persons with disabilities.</p>
<p>98. We aim to increase funding for research and innovation related to the Sustainable Development Goals and build capacity in all regions to contribute to and benefit from this research.</p>	<p><b>Action 29. We will ensure that science, technology and innovation improve gender equality and the lives of all women and girls.</b></p> <p>37. We are gravely concerned that rapid technological change can exacerbate existing gender inequalities and present serious risks to all women and girls. We agree to:</p> <p>(a) Address persistent barriers to equal and meaningful access to and participation and leadership in science, technology and innovation for all women and girls, including through improving educational opportunities for women and girls in these fields.</p> <p>(b) Address gender-related risks and challenges emerging from the use of technologies, including violence, harassment, bias and discrimination against</p>	<p><b>Action 34. We will ensure that science, technology and innovation improve gender equality and the lives of all women and girls.</b></p> <p>55. Science, technology and innovation can improve gender equality and women's and girls' lives. We are gravely concerned about the gender digital divide and that rapid technological change can exacerbate existing gender inequalities and present serious risks to all women and girls. We decide to:</p> <p>(a) Address barriers to full equal and meaningful access to and participation and leadership in science, technology and innovation for all women and girls, including through improving education, employment and research opportunities for women and girls in science, technology, innovation, mathematics and engineering.</p> <p>(b) Address gender-related risks and challenges emerging from the use of technologies, including all forms of gender-based violence,</p>	<p><b>Action 34. We will ensure that science, technology and innovation improve gender equality and the lives of all women and girls.</b></p> <p>58. Science, technology and innovation can improve gender equality and women's and girls' lives. We are gravely concerned about the gender digital divide and that rapid technological change can exacerbate existing gender inequality and present serious risks to all women and girls. We decide to:</p> <p>(a) Address barriers to full equal and meaningful access to and participation and leadership in science, technology and innovation for all women and girls, including through improving education, employment and research opportunities for women and girls in areas such as science, technology, innovation, mathematics and engineering.</p> <p>(b) Address gender-related risks and challenges emerging from the use of technologies, including all forms of violence, including sexual</p>	<p>Rev.2: Mentions "science, technology, innovation, mathematics, and engineering." However, Rev.3: Slightly refines this to <b>"areas such as</b> science, technology, innovation, mathematics, and engineering," providing a more inclusive phrasing that highlights these areas without restricting the scope.</p> <p>Rev.3: Expands by specifying "all forms of violence, including <b>sexual</b> and gender-based violence" and adds <b>"including against women migrant workers."</b> This makes the</p>



	all women and girls that occurs through, or is amplified by, the use of technology.	trafficking in persons, harassment, bias and discrimination against all women and girls that occur through, or are amplified by, the use of technology.	and gender-based violence, trafficking in persons, harassment, bias and discrimination against all women and girls that occur through, or are amplified by, the use of technology, including against women migrant workers.	language more comprehensive by explicitly addressing sexual violence and highlighting the vulnerability of women migrant workers.
99. We support calls for sharing technologies and skills to solve the basic health issues of water, sanitation and food security.	<p><b>Action 30. We will build on and complement traditional and local knowledge.</b></p> <p>38. We recognize the need for science, technology and innovation to be adapted and made relevant to local needs and circumstances, including the knowledge of Indigenous Peoples. We agree to:</p> <p>(a) Foster synergies between science and technology and traditional, local, afro-descendant and indigenous knowledge and capacities, while putting in place measures to identify and mitigate potential associated risks.</p>	<p><b>Action 35. We will protect, build on and complement indigenous, traditional and local knowledge.</b></p> <p>56. We recognize the need for science, technology and innovation to be adapted and made relevant to local needs and circumstances, including Indigenous Peoples, local communities and traditional afro-descendant populations. We decide to:</p> <p>(a) Foster synergies between science and technology and traditional, local, afro-descendant and indigenous knowledge, systems, practices and capacities.</p>	<p><b>Action 35. We will protect, build on and complement Indigenous, traditional and local knowledge.</b></p> <p>59. We recognize the need for science, technology and innovation to be adapted and made relevant to local needs and circumstances, including Indigenous Peoples, local communities and traditional afro-descendant populations, in line with the principle of free, prior and informed consent. We decide to:</p> <p>(a) Foster synergies between science and technology and traditional, local, afro-descendant and Indigenous knowledge, systems, practices and capacities.</p>	<p>Rev.3: Adds the phrase <b>"in line with the principle of free, prior and informed consent,"</b> which emphasizes the need for respect and engagement with Indigenous Peoples and other local communities in decision-making processes affecting them.</p> <p>Rev.3: Corrects "indigenous" to <b>"Indigenous"</b> (capitalizing it for consistency and respect)</p>
100. We recognize the importance of the creation of a conducive environment that attracts and supports private investment, entrepreneurship and corporate social responsibility, including an efficient, adequate, balanced and effective intellectual property	<p><b>Action 31. We will support the Secretary-General to strengthen the United Nations' role in science, technology and innovation.</b></p> <p>39. We recognize the critical role of the United Nations in science, technology and</p>	<p><b>Action 36. We will support the Secretary-General to strengthen the United Nations' role in science, technology and innovation.</b></p> <p>57. We recognize the important role of the United Nations in science, technology and</p>	<p><b>Action 36. We will support the Secretary-General to strengthen the United Nations' role in supporting international cooperation in science, technology and innovation.</b></p> <p>60. We recognize the critical role of the United Nations in science, technology and innovation. We take</p>	<p>Rev.3: The focus is broadened to include not only strengthening the United Nations' role in STI but also in <b>supporting international cooperation</b> in these areas.</p> <p>Rev.2: Describes the role of the United Nations as <b>"important"</b> in science, technology, and innovation.</p>

<p>framework, while encouraging access to science, technology and innovation by developing countries.</p>	<p>innovation. We welcome the establishment of the Secretary-General's Scientific Advisory Board to provide independent scientific advice. We request the Secretary-General to:</p> <p>(a) Strengthen the United Nations' capacities to leverage science, technology and innovation in the work of the Organization, including futures thinking and foresight, and to monitor and measure ongoing global progress to bridge the science and technology gap between developed and developing countries.</p> <p>(b) Explore ways to strengthen the capacity of United Nations Country Teams to support national governments in leveraging science and technology for sustainable development.</p>	<p>innovation. We take note of the establishment of the Secretary-General's Scientific Advisory Board to provide independent scientific advice. We request the Secretary-General to:</p> <p>(a) Strengthen the United Nations' capacities to leverage science, technology and innovation in the work of the Organization, including futures thinking and foresight, and to monitor and measure ongoing global progress to bridge the science and technology gap within and between developed and developing countries.</p> <p>(b) Support national governments to leverage science and technology for sustainable development, including by strengthening the capacity and expertise of United Nations Country Teams.</p>	<p>note of the establishment of the Secretary-General's Scientific Advisory Board to provide independent scientific advice. We request the Secretary-General to:</p> <p>(a) Strengthen the United Nations' capacities to leverage science, technology and innovation in the work of the Organization, including planning, futures thinking and foresight, and to monitor and measure ongoing global progress to bridge the science and technology gap within and between developed and developing countries.</p> <p>(b) Support national governments to leverage science and technology for sustainable development, including by exploring ways to strengthen the capacity and expertise of United Nations Country Teams.</p>	<p>Whereas Rev.3: Upgrades this description to <b>"critical,"</b> emphasizing the increased significance of the UN's role in these areas.</p> <p>Rev.2: Mentions <b>"futures thinking and foresight."</b> Rev.3: Expands this to include <b>"planning, futures thinking and foresight,"</b> adding <b>"planning"</b> to the scope.</p> <p>Rev.2: States to "strengthen the capacity and expertise of United Nations Country Teams." Whereas Rev.3: Changes by adding to <b>"exploring ways to strengthen the capacity and expertise of United Nations Country Teams,"</b> indicating a more exploratory approach.</p>
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<p>101. We call upon the United Nations system to support the efforts of developing countries to develop and strengthen their national science, technology and innovation ecosystems. To facilitate these efforts, we welcome the Secretary-General's vision to work towards a UN 2.0 to increase the effectiveness of the Organization through enhancing capabilities in data analytics, digital transformation, strategic foresight, and results orientation.</p>				
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**The words or phrases that have been added, revised, or removed in Rev.2 are mentioned here in one place.**

**Words/phrases that are either add or revised**

- Billions of people
- sharing science, technology and innovation is essential
- enjoyment of human rights and progress on sustainable development
- inclusive
- Engagement with relevant stakeholders
- global collaboration on innovation
- Inter-disciplinary collaboration
- Climate action
- Peacefully
- Those facing specific challenges
- Policy exchanges
- Knowledge sharing
- Technical assistance

- Financing
- Joint international research
- Personnel training
- Different national circumstances
- Develops local innovation ecosystems
- Promote and maintain stable and resilient global supply chains
- Achievement of sustainable development
- Rights and obligations
- New and emerging technologies
- Persons
- Promoting the availability of assistive technologies
- Inequality
- Sexual
- Women migrant workers
- Principle of free, prior and informed consent
- Indigenous
- supporting international cooperation
- Critical
- Planning
- Exploring ways to

**Words/phrases that are removed**

- Right to development