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ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT (CSTD)**

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**CSTD 2024-2025 priority theme on “Technology foresight and technology assessment for
sustainable development”**

Statement submitted by

The Philippines

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PHILIPPINE INTERVENTION

CSTD 2024-2025 Intersessional Panel Meeting

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PRIORITY THEME 2: TECHNOLOGY FORESIGHT AND TECHNOLOGY ASSESSMENT FOR SUSTAINABLE DEVELOPMENT

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Thank you very much, Chair.

First of all, I wish to thank the CSTD Secretariat again for preparing this very important and timely document on technology foresight and technology assessment for sustainable development.

Excellencies and colleagues,

The Philippines is proud to share that through the Department of Science and Technology's National Academy of Science and Technology, it has crafted "PAGTANAW 2050" which means "to look ahead" in the Filipino language.

PAGTANAW 2050 is the first inter- and trans-disciplinary Philippine foresight plan that anticipates the science, technology, and innovation (STI) inputs that will influence the development of the country in the next 30 years. The main goal of PAGTANAW 2050 is to chart a strategic path by identifying the factors that will influence the development of the Philippines' scientific capital in the years leading up to 2050, while focusing on:

- First, to guide in designing strategic plans that transcend political periods while aiming for inclusive growth, sustainability, and competitiveness in STI;
- Second, to design and implement integrated yet time-specific strategies for a prosperous, inclusive, and agile Philippine future; and
- Lastly, to harness the talent and tools in science and technology to innovate towards a prosperous, archipelagic, and maritime nation by 2050.

PAGTANAW 2050 is a compendium of STI megatrends, global and national societal goals, transdisciplinary and interdisciplinary operational areas, and current and emerging technologies relevant to the nation's development. It is firmly grounded in the aspirations

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of the Filipino people within the context of natural and physical endowments, as well as shared Filipino values, skills, and other potentials. At present, PAGTANAW 2050 is the only Foresight document that has this coverage for a long-term science, technology, and innovation-guided Philippine development encompassing several Presidential terms with periodic review for enhancement.

Several foresight methodologies were used in its development such as bibliometrics, SWOT and TOWS analysis, brainstorming, Delphi survey, scenario planning, and technology readiness level. In view of the objective to develop and institutionalize the Foresight Framework and Protocol, the involved technical working group are being trained and capacitated.

The Philippines also implements a holistic approach or package of assistance providing necessary technical, financial, and promotional support from concept/idea to commercialization of inventions, innovations, and technologies, through conduct of technology assessments to evaluate the potential impact, risks, and implications of adopting a particular technology. Specifically, the Philippines assesses the investment readiness level (IRL) and technology readiness level (TRL) of its generated and assisted technologies to fast-track transfer and commercialization.

Also, the elements of technology foresight and technology assessments are considered fundamental parts of the proposal evaluation process in the review of project proposals received by the Philippine government, especially for technology transfer programs.

While the Philippines has taken concrete initiatives on ForSTI and technology assessment, the country is still putting much effort in addressing challenges such as access to quality information, including literature and references with paywalls, sufficiency of data or information on technologies, communication of ForSTI results to different types of audiences, and availability and interest in developing and retaining special talent to undertake ForSTI and TA.

One of the Philippines' actions to address these is the continuous promotion of PAGTANAW 2050 through mainstreaming which include a series of forums, capacity building activities, and continuous promotional activities, while the institutionalization efforts are on the way.

The country's technology foresight and technology assessment initiatives, just like other programs, are anchored in the Philippines' AmBisyon Natin 2040, (or "Our Ambition" when translated") a long-term national visioning initiative that incorporates foresight elements to promote sustainable and inclusive development. It represents the collective vision of Filipinos for the country by the year 2040.

Excellencies and colleagues, the integration of technology foresight and technology assessment in technology transfer activities is essential in developing a forward-looking and evidence-based approach to technology transfer, leading to better outcomes and more effective use of resources. The Philippines believes that technology foresight and

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technology assessment equip the country and its relevant agencies with the tools and knowledge to analyze future trends and proactively shape the direction of R&D in the Philippines. The CSTD could be a great avenue to fuel further discussions on developing international standards and tools and forging collaborations for holistic technology foresight that could address grand challenges and contribute to sustainable development.

Thank you.