



NSTW2019 FLOOR LAYOUT

Hall A, B & C, WORLD TRADE CENTER



CLUSTER 1

Food Security, Energy and Environment

The **"Innovation Park: Light the Future"** exhibition cluster, led by DOST-PCIEERD, is envisioned to be a futuristic park filled with eye-catching displays that shed a light on DOST-supported technologies that contribute to the attainment of affordable and clean energy (SDG 7), more sustainable innovations, industrialization, and resilient infrastructure (SDG 9), and responsible consumption and production (SDG 12).

This exhibit will raise awareness on the innovations that DOST spearheaded on food security, energy, and environment; engage clients and customers of DOST during the NSTW; and position the Department as a leader in conversations on innovations.

CLUSTER 2

Aging Society, Health, and Medical Care

The health cluster exhibit will be represented in the shape of a human body highlighting DOST-assisted and supported technologies, services, and studies that emphasize how these interventions help enhance and extend the quality of life of aging individuals. Interactive activities will also be set in place in certain

areas of the body that will help attendees familiarize themselves with the respective featured technologies.

CLUSTER 3

S&T Human Resource Development

The STHR Cluster will host notable outcomes of various programs and projects in sustainable development in the field of STEM education and the development of the country's pool of science professionals. It will banner SEI's *imake.wemake: create. innovate. collaborate.*, *Innobox: Search for the Most Innovative*

Teaching and Learning Resources in Science, *Indie-Siyensya Science Filmmaking Contest*, and its *Scholarship Program*; PSHS's internationally recognized student researches; NAST's hologram presentations of its national scientists and academicians, and NRCPS Scientific Knowledge Management System. Moreover, outstanding contributions from some education partners such as The Mind Museum, Science Centrum, Emerson, Fetla Multimedia, PASCO Technologies, and C&E Publishing shall be part of 'an ecosystem of STEM technologies to demonstrate various innovations in improving science education in the country. Hence, the cluster exhibit shall be called "STEM Education for a Sustainable Future."

CLUSTER 4

Equity and Growth in the Countryside

The DOST Regional Offices' exhibit this year will showcase three Sustainable Development Goals (SDG) namely: No Poverty (SDG 1), Decent Work and Economic Growth (SDG 8) and Peace, Justice and Strong Institutions (SDG 16).

For *No Poverty* exhibit, DOST will show how the Community Empowerment through Science and Technology (CEST) program has contributed to poverty alleviation in the countryside. The *Decent Work and Economic Growth* exhibit will focus on the 7 SMARTER Principles of SETUP 2.0 with technology demonstrations featuring equipment of SETUP beneficiaries such as CNC laser marking machine, 3D printing machine and form fill seal machine. Lastly, the *Peace, Justice and Strong Institutions* booth will highlight the S&T initiatives in Marawi Rehabilitation such as livelihood and innovation system support projects, scholarship, and complementary feeding programs for Maranao displaced persons of the Marawi Conflict. ROs' exhibit will also have a *Gamezone* area featuring interactive activities for kids, an *Innovation Lounge* to provide a venue for sharing of innovation best practices, a *Wellness Garden* introducing the vertical helophyte technology used in water filtration and the *Souvenir Shoppe by oneStore* where visitors can buy souvenir items created by DOST beneficiaries.

CLUSTER 5

Biodiversity and Sustainable Use of Biological Resources

This represents the technologies and innovations resulting from R&D efforts for the attainment of Sustainable Development Goals No. 14 - Life Below Water and No. 15 - Life on Land, which deal mainly with conservation and sustainable use of the oceans, seas, and marine resources for sustainable development

as well as protection, restoration, and promotion of sustainable use of terrestrial ecosystem and sustainable management of forest resources while combating desertification and eventually halt and reverse land degradation and the loss of our biodiversity. The exhibits will feature R&D results from the Biodiversity Programs in agriculture, aquatic, and natural resources sectors.

CLUSTER 6

Sustainable Cities and Communities

The Cluster will showcase the selected cities in the country which demonstrated innovation, best practices, governance reforms and commitment to promote sustainable development. In the course of the exhibit, it will feature how interdisciplinary science and technology have complemented and facilitated the

accomplishment of the three (3) pillars of the SDG 11 such as people, planet and prosperity, and how SDG 6 has been integrated in the development roadmap of a city. The presence and support of selected DOST attached agencies and regional offices are presented as partners and enablers in making sustainable development more research based, technology driven and collaborative in nature.

CLUSTER 7

Resilience and Innovation

The Resilient and Innovation Cluster (RIC) will highlight how the services and R&D projects of DOST agencies such as DOST-Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA), DOST-Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS), DOST-Advanced Science and

Technology Institute (DOST-ASTI), DOST-Philippine Nuclear Research Institute (DOST-PNRI), DOST-Food and Nutrition Research Institute (DOST-FNRI) and DOST-Industrial Technology Development Institute (DOST-ITDI) contributes to safer and resilient community, using the Integrated Warning System (IWS) by Milletti and Sorensen (1990).

CLUSTER 8

International Linkages

Science, technology and innovation (STI) are key in achieving the 'Global Goals'. In fact, STI is a goal on its own as seen in SDG 9, "Industry, Innovation and Infrastructure". This is not to say that STI is confined in SDG 9 as it cuts across all the 17 goals.

For the 2019 NSTW, the International Linkages Cluster will showcase SDG 10 (Reduced Inequalities) and SDG 17 (Partnerships for the Goals). The exhibit will portray how STI partnerships and Science Diplomacy aid in reducing inequalities and improve the lives of Filipinos through technological cooperation. It will also showcase how partnerships result to mutual benefits for both parties and how it address the challenges of Global Goals.

The exhibit will highlight on-going partnerships with DOST with strategic bilateral and multilateral partners. It will also showcase current and future technologies of other countries that can be explored for future collaborations. Scholarships and R&D opportunities with other countries will also be discussed among interested participants in the exhibit.