

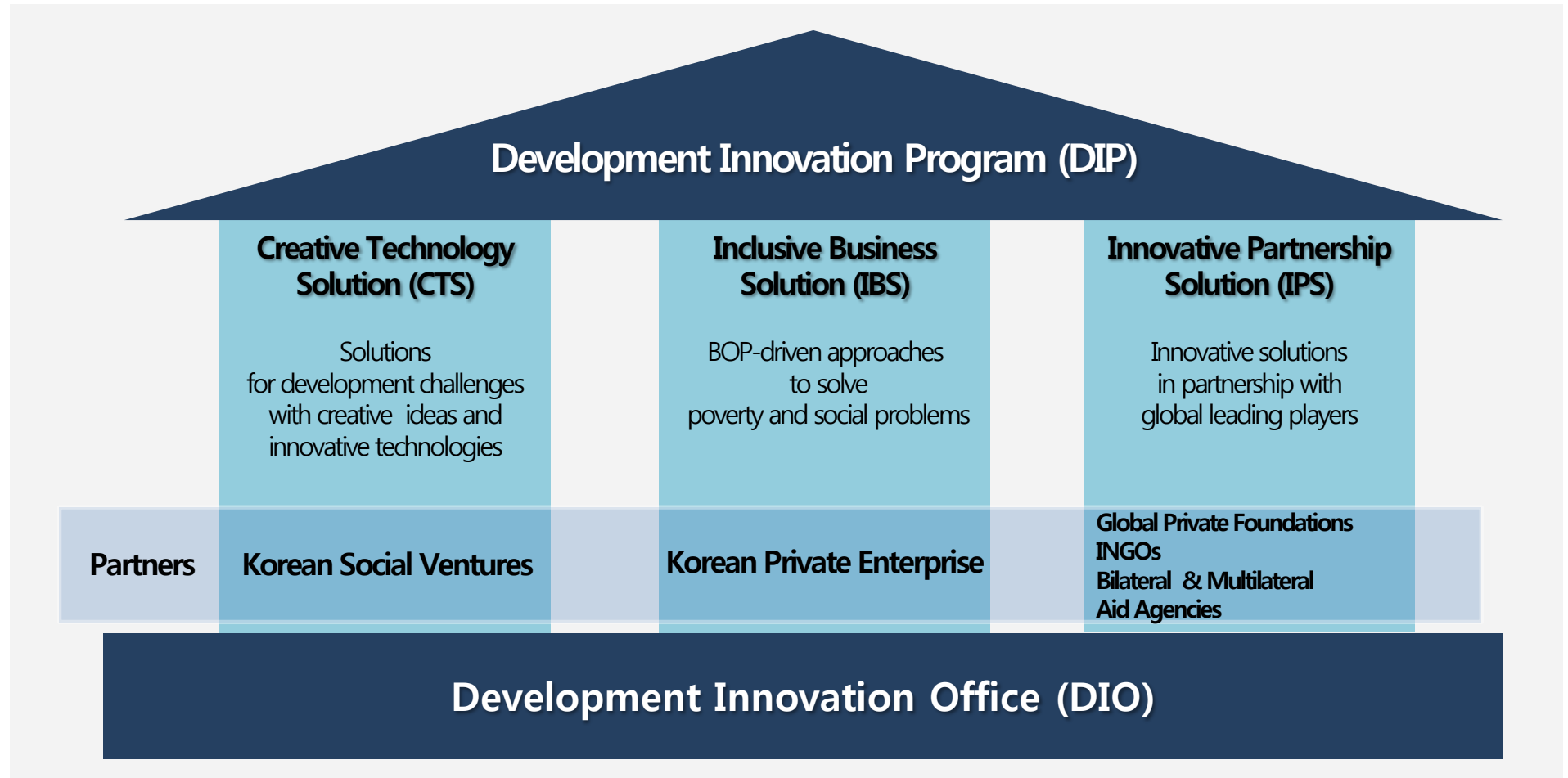
KOICA CREATIVE TECHNOLOGY SOLUTION

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KOICA Development Innovation Office



1. Development Innovation Program of KOICA

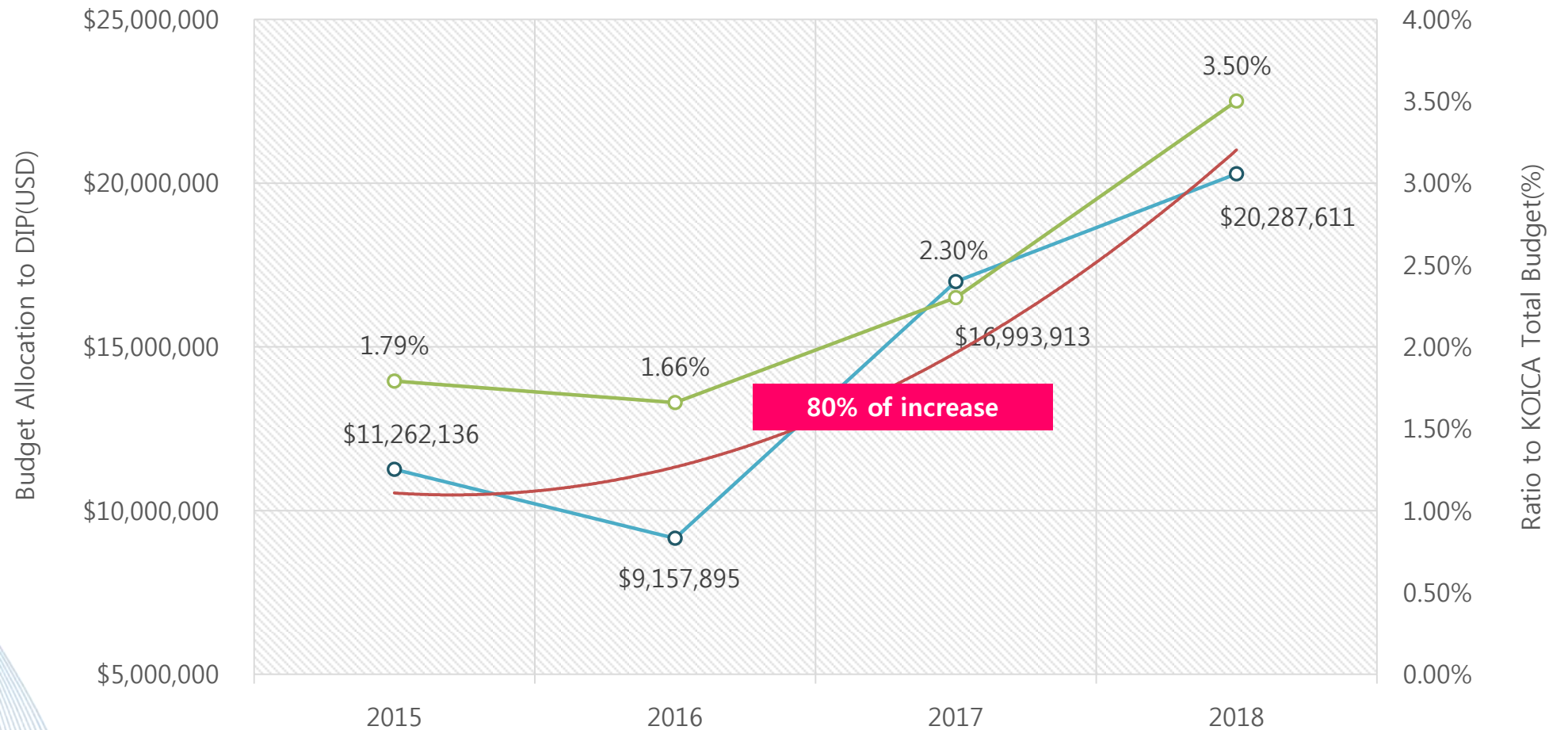
- **What is Development Innovation Program?**



1. Development Innovation Program of KOICA

- Growth status of DIP**

○ Budget allocated to DIP
○ % allocated to DIP of Total Budget
— Increase trend



1. Development Innovation Program of KOICA

- **What makes KOICA launch and strengthen DIP?**

- **Diversifying approaches of aid activities**

- Much more focus on BOP rather than recipient governments by applying innovative and inclusive innovation to meet their niche conditions and needs
- Co-designing rather than procurement in order to bring right expertise from the private sector into aid projects
- Shifting from conventional areas (health, education, sanitation, agriculture etc.) to new and mixed ones (m-banking, m-agriculture etc.)
- Seeking for a new growth engine of KOICA

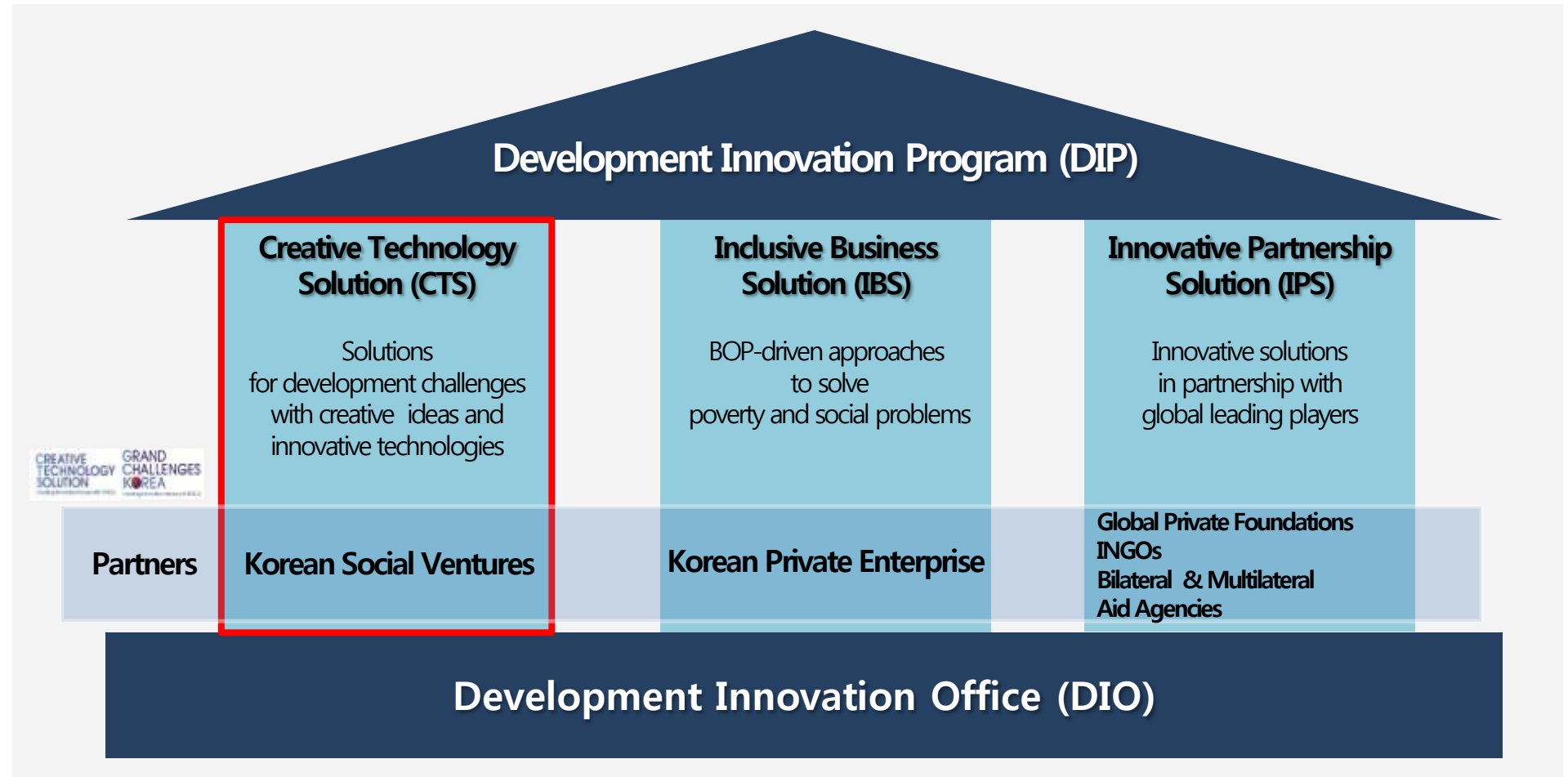
- **Adopting the concept of inclusive business into aid activities**

- Longer-term contribution to private sector development led by BOP
- BOP as producers, suppliers, employers, employees, and consumers in respective value chain rather than beneficiaries
- BOP market and business opportunities, job creation, income generation, livelihood improvement



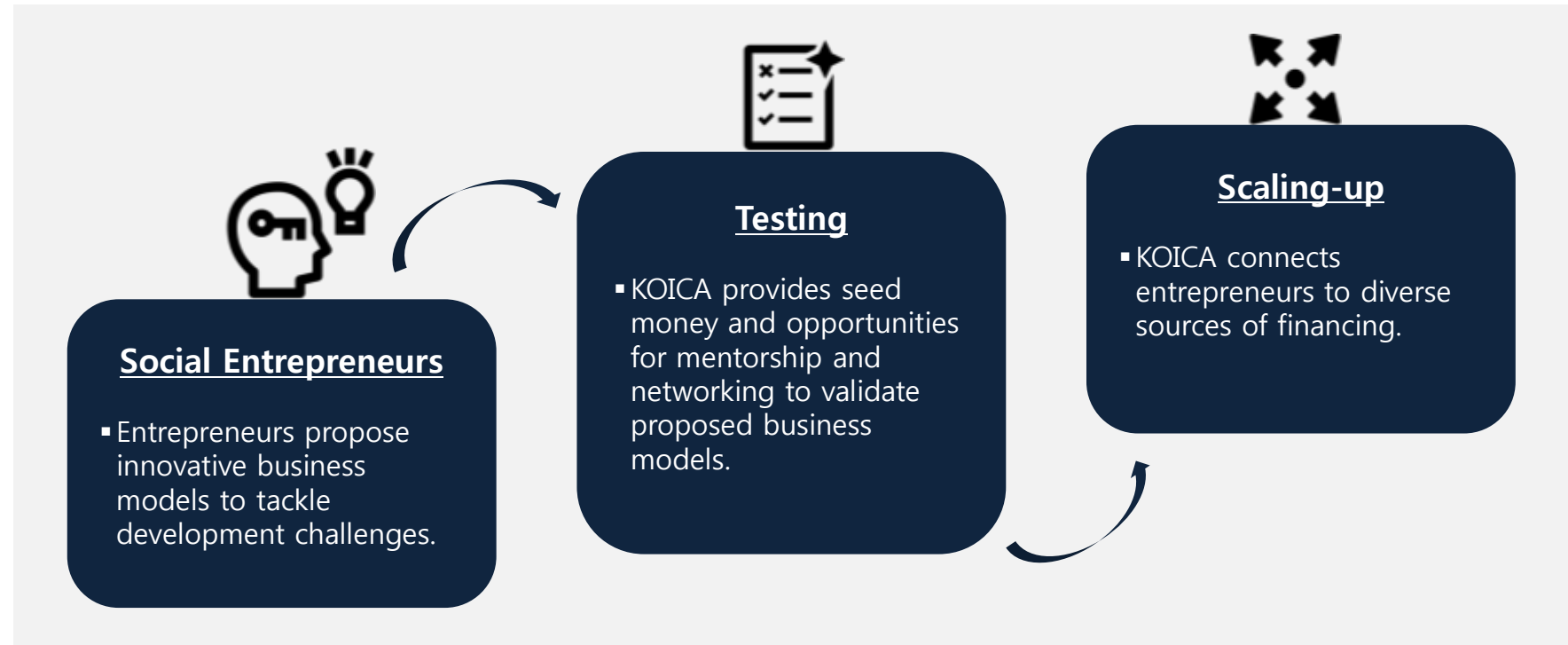
2. Creative Technology Solution(CTS)

- **CTS Program?**



2. Creative Technology Solution(CTS)

- Identifying development problems in economic, social and environmental contexts
- Supporting market testing and commercialization
- Transforming innovative ideas into viable and creative solutions



2. Creative Technology Solution(CTS)

Stage 1

Creative Technology Solution

SEED 1

SEED 2

SEED 3

Impact Evaluation and Designation of CTS
Partners
(Technology, Business Model+ Social Value)

Scale-up

Stage 2



KOICA Project



International
Organizations



Emergencies



Stage 3

In collaboration with
potential global partners



BILL & MELINDA
GATES foundation



+ @

2. Creative Technology Solution(CTS)

■ What has CTS made so far?



28,342

End-users of innovative
technology-based
products



2.66 mn

BOP directly and
indirectly benefited from
CTS



114

Korean youths employed
by CTS partner
companies



59

Patents acquired
through CTS



250%

Increase in assets of CTS
partners after completing
CTS projects

2. Creative Technology Solution(CTS)

Practice

Making products and services available and customized to target groups in developing countries

enūma



- Designed to build fundamental skills in literacy and numeracy regardless of access to school or resources
- Universal Design for Learning (UDL) principles to help every child succeed as an independent learner
- Flexible learning architecture with nature-themed graphics that cut through cultural boundaries



- Differentiating products customized to local context of BOP
 - Candle to cooking oil-powered
 - Price down from USD 70 to USD 10-20
- Maintaining or improving performance
 - Producing light 2.5 times as bright as traditional kerosene lamps with just 20% of fuel
 - Approx. 200 hours of light with 1L of cooking oil
 - Decrease in the incomplete combustion of lamps and the black carbon emissions by 88%

3. SDGs and our Vision

Sustainable Development Goal 8

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SUSTAINED, INCLUSIVE AND DECENT WORK

8.2

Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors

8.5

By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value

8.6

By 2020, substantially reduce the proportion of youth not in employment, education or training

3. SDGs and our Vision

Sustainable Development Goal 10 Reduce inequality within and among countries

INCLUSION OF ALL

10.1

By 2030, progressively achieve and sustain **income growth of the bottom 40 per cent of the population at a rate higher than the national average**

10.2

By 2030, **empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status**

3. SDGs and our Vision

Sustainable Development Goal 17

Strengthen the means of implementation and revitalize the global partnership for sustainable development

TECHNOLOGY

17.6 Enhance North-South, South-South and triangular regional and international cooperation on and access to **science, technology and innovation** and enhance knowledge sharing on mutually agreed terms, including through improved coordination among existing mechanisms, in particular at the United Nations level, and **through a global technology facilitation mechanism**

17.7 Promote the development, transfer, dissemination and diffusion of environmentally sound **technologies** to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed

17.8 Fully operationalize the technology bank and science, technology and innovation capacity-building mechanism for least developed countries by 2017 and enhance the use of enabling technology, in particular information and communications technology (ICT)

3. SDGs and our Vision

Sustainable Development Goal 17

Strengthen the means of implementation and revitalize the global partnership for sustainable development

PARTNERSHIP

17.16

Enhance the global partnership for sustainable development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the sustainable development goals in all countries, in particular developing countries

17.19

By 2030, build on existing initiatives to develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries

CREATIVE TECHNOLOGY SOLUTION

Creating Innovative Values with KOICA



Thank you

