Scaling education for SDGs: to cultivate global innovators for future

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To achieve SDGs: Creativity becomes most essential
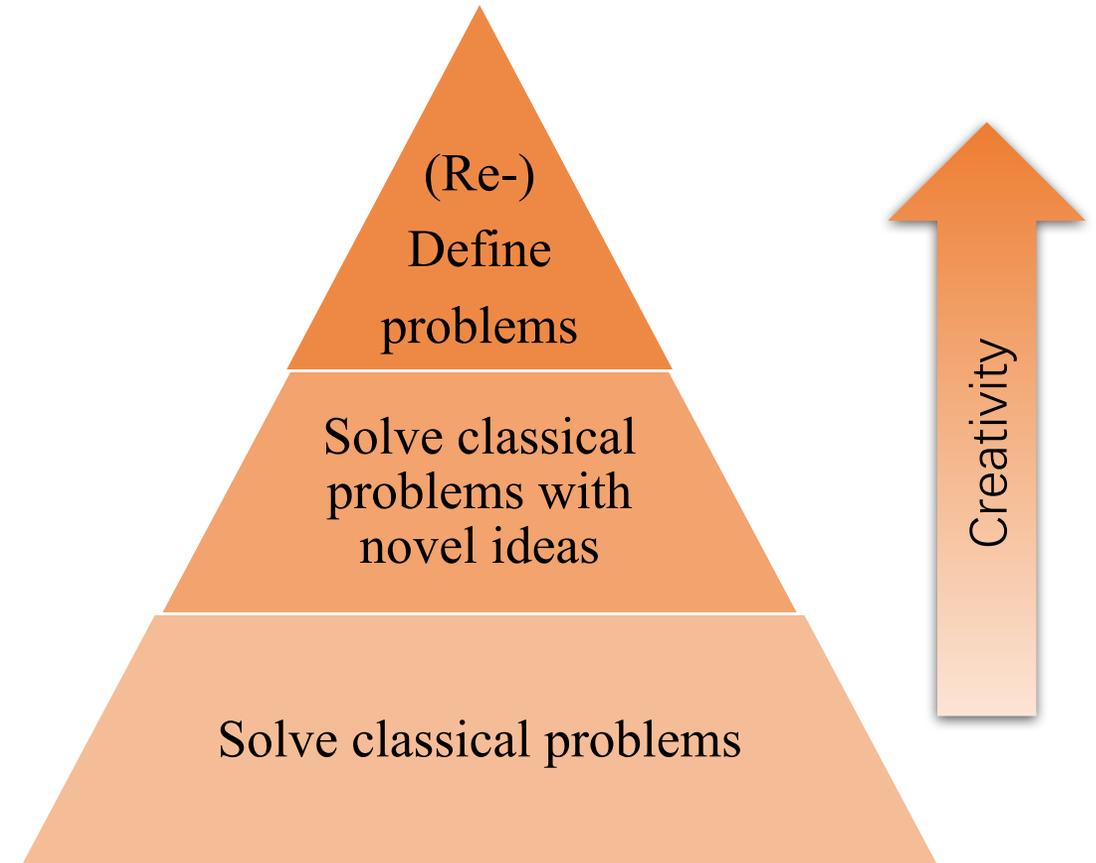
Geoff Mulgan, NESTA, UK

A paradigm shift in education is needed

What we have for the past
- to train A model students

Focus on knowledge and Skills

Confined mostly to one lab/department

One curriculum for all

Individual based competition mode

Limited by local vision and culture

Rarely connected about the real world

What we need for the future
- to cultivate X model students

Focus on creativity and innovation

Highly interdisciplinary training

Personalized & diverse training program

Team based cooperation mode

International vision and engagement

Innovate in and for the real world

Open FIESTA: a pilot program for future education

Inauguration of Open FIESTA, 2015
Graduate School at Shenzhen, Tsinghua University

Open FIESTA is a pilot program in Tsinghua University to explore and develop novel models, methods and technologies to nurture future-oriented interdisciplinary innovators and change makers.

Vision, passion, and social value

Knowledge

Capability and meta-skills

Challenge is the best invitation for innovation.

Education with SDGs at University-City level

Design for social innovation

2016: Design for Future Education

2017: Design for Sustainable Society

2018: Design for children–friendly city

He Jianyu

Nie Xiaomei
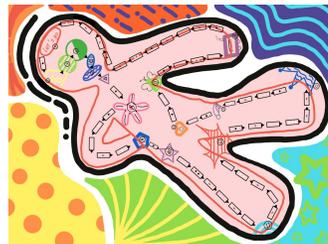
Education with SDGs at K-12 level

SDG-project based learning
at Fujian

Learning through research
Teacher Training by in China

Education equity
at countryside

Contribute to solve problems
by UN at Geneva

Innovation Summer School
at Paris

Participate iSDG Coopetition
at Tsinghua University

Education with SDGs at bi-national level

Nael Hailemariam

MISSION

To enhance technology development by creating a platform for innovation, rapid prototyping, and adaptation of effective technology based on local resource.

OBEJECTIVE

- Empowering the youth of Ethiopia to design and manufacture electronic goods in Ethiopia
- Introducing products of innovative electronic gadgets designed and made in Ethiopia that can be sold in the local market
- Introducing the concept of rapid prototyping
- Creating expedience market environment for innovative technology
- Getting experience for technology creation and development
- Enhancing the skill of entrepreneurs in innovation area
- Adopting the Shenzhen Open Innovation Model to the existing Ethiopian Economy and Industrialization progress

VISION

In general, the country's vision is "to see Ethiopia become a country where a democratic rule, good governance, and social justice reigns upon the involvement and free-will of its peoples, and once extricating itself from poverty and transform to a middle-income economy as of 2020-2023."

In particular, this project's vision is: To make Ethiopia a regional Innovation Center on science and technology in East Africa by 2020.

Education with SDGs at international level

HPreto-Kit
Prototyping Kit for Humanitarian

Problem

Solution　　Pratotype　产品原型

SZOIL

Livelo is a groundwater data logger adapted to the humanitarian situation.

Livelo

ICRC

SMART TRASH SOLUTIONS FOR THE SDGS
中国零垃圾行动

PROJECT INTRODUCTION　　TEAM MEMBERS　　CO-DESIGNERS

SMART TRASH　　　OPEN EDUCATION PLATFORM

SDG@HOME

Aleksandra Starzec　　Zhang Yanze　　Gessenne Grey

REMNESIA

国际联盟数字化
League of Nations Digitization

BOUD'SOUFFLE
IMPROVING SOFT TISSUE CANCER TREATMENTS

SNAPP
SMART IDENTIFICATION APP

LOOSE-LEAF BAG
Wen Jinjun

BUBBLE BOX
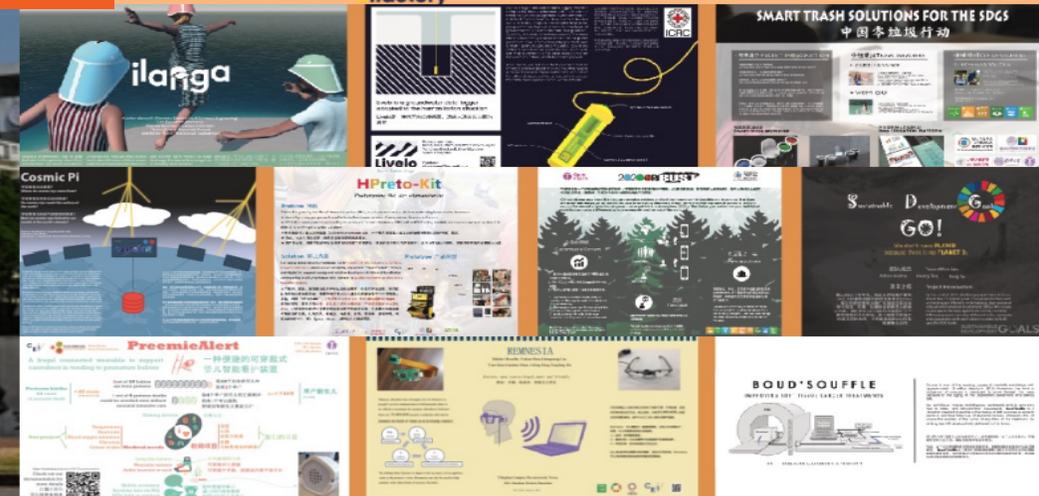
Towards a global eco-system for SDGs education
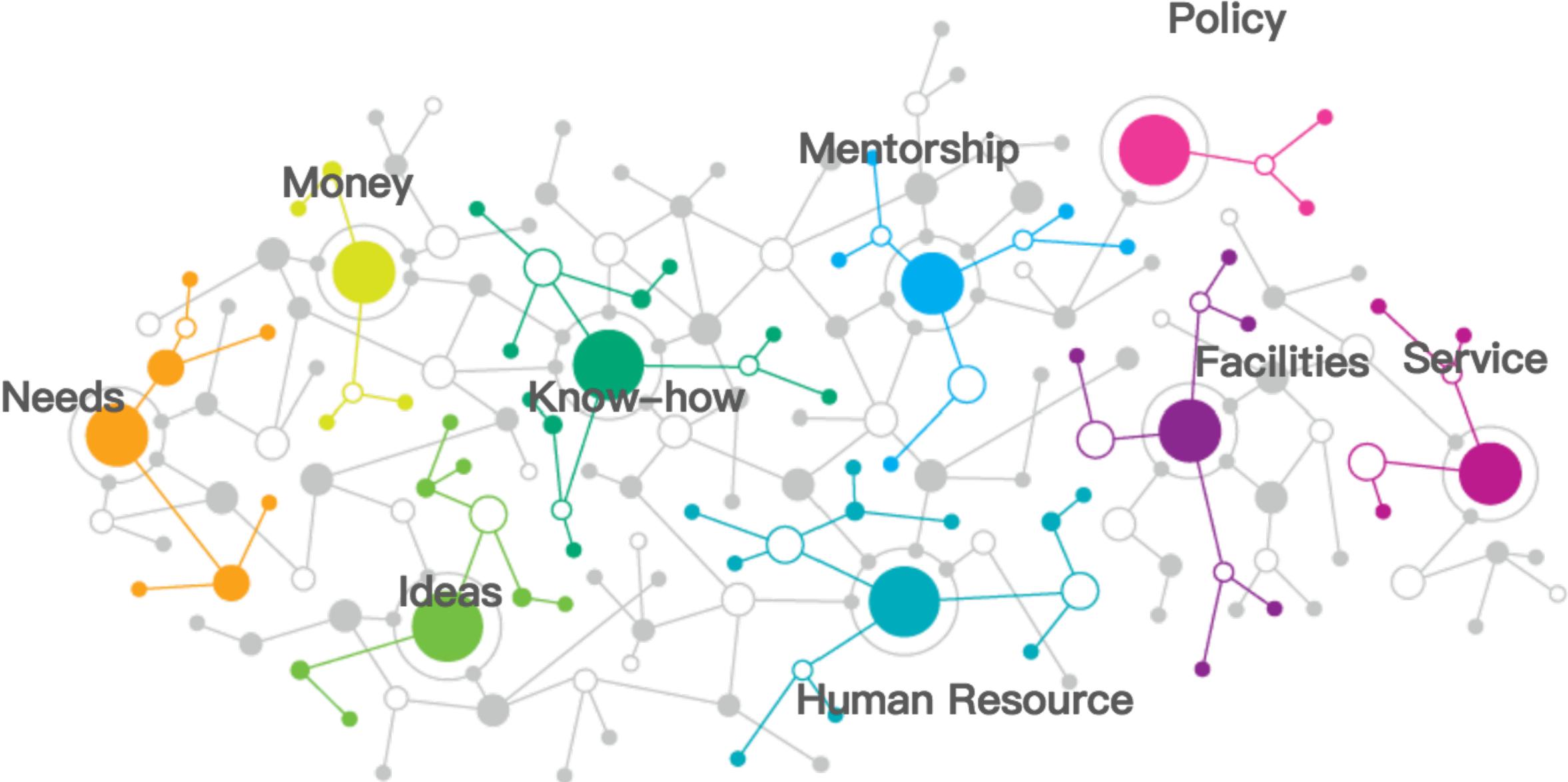
Thanks!

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