

# Skills and human capital for innovation

ADB 7<sup>TH</sup> INTERNATIONAL SKILLS  
FORUM  
13 DECEMBER 2017

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# Starting Point

- ◆ It is well established that innovation is the new source of growth
- ◆ Effective skills strategies are crucial for knowledge and skills base for innovation
- ◆ Knowledge based capital will help innovative firms to succeed in the market place.



# State of Play in developing Asia- Upside and Flipside

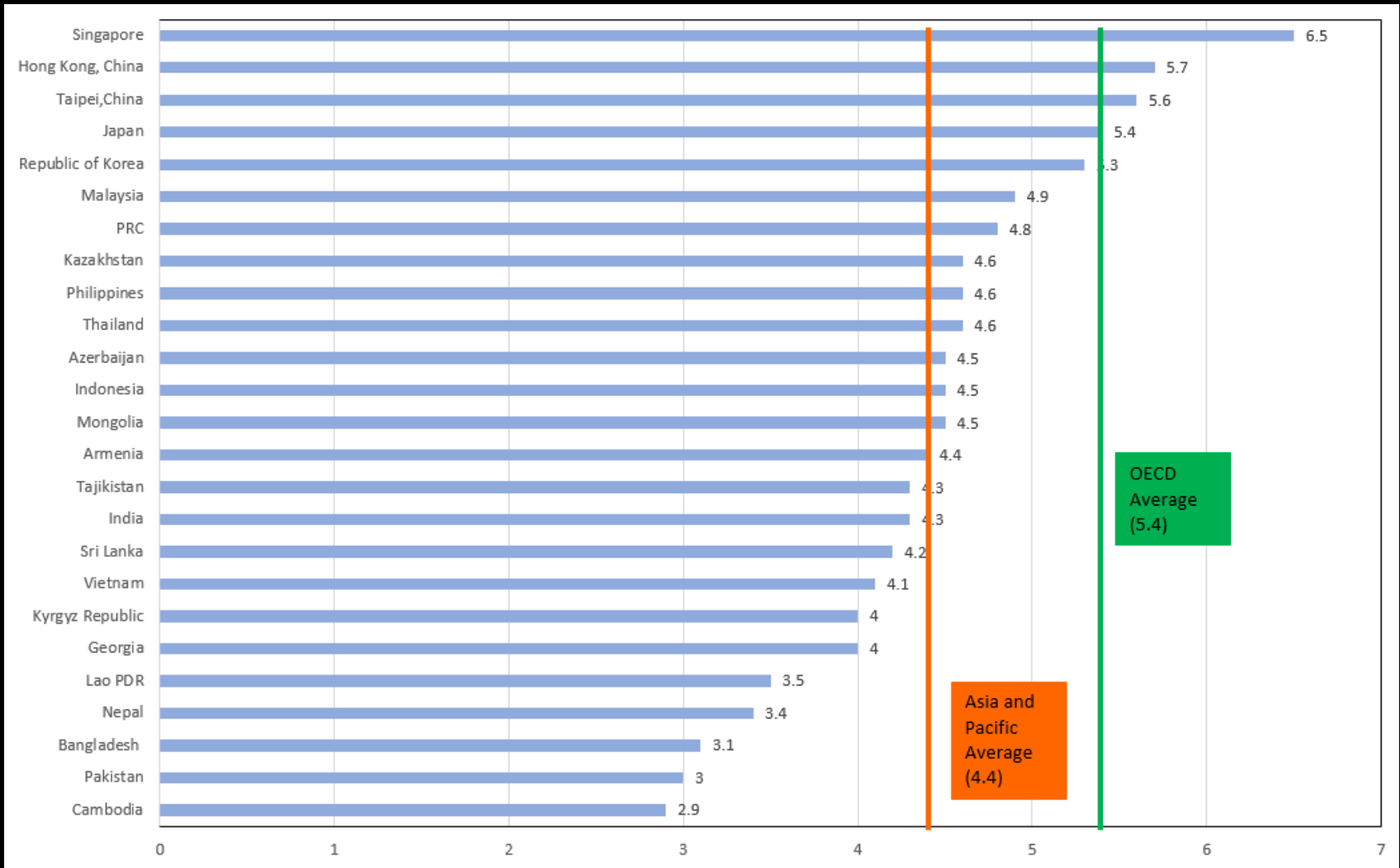
- ◆ Asia has led frugal innovation, expanded bottom of the pyramid markets, spurred demand for biotech, precision engineering, solar photovoltaic and IT enabled services

BUT

- ◆ Conventional metrics put developing Asia behind their developed neighbors and OECD countries

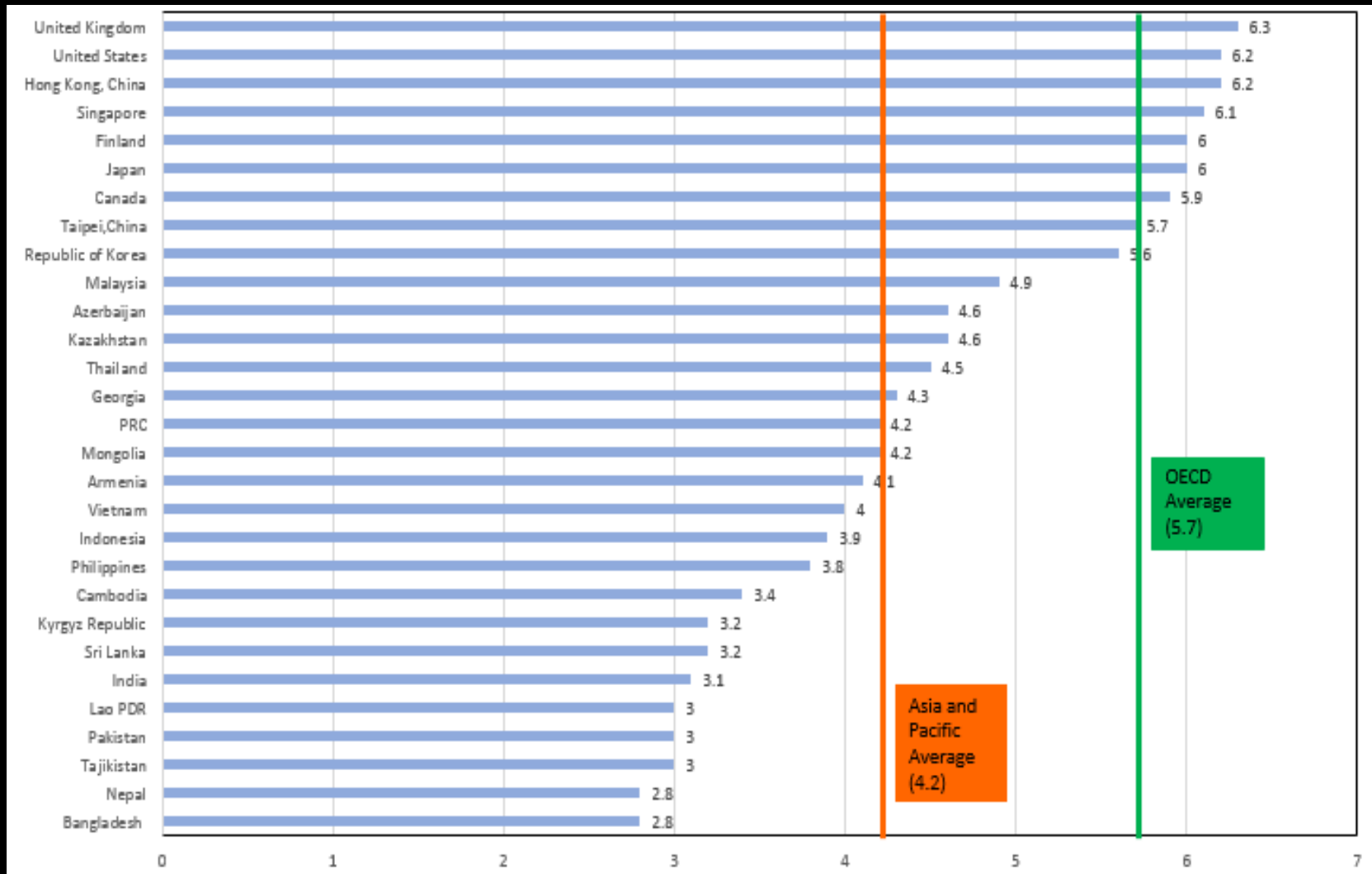


# Higher Education and Training

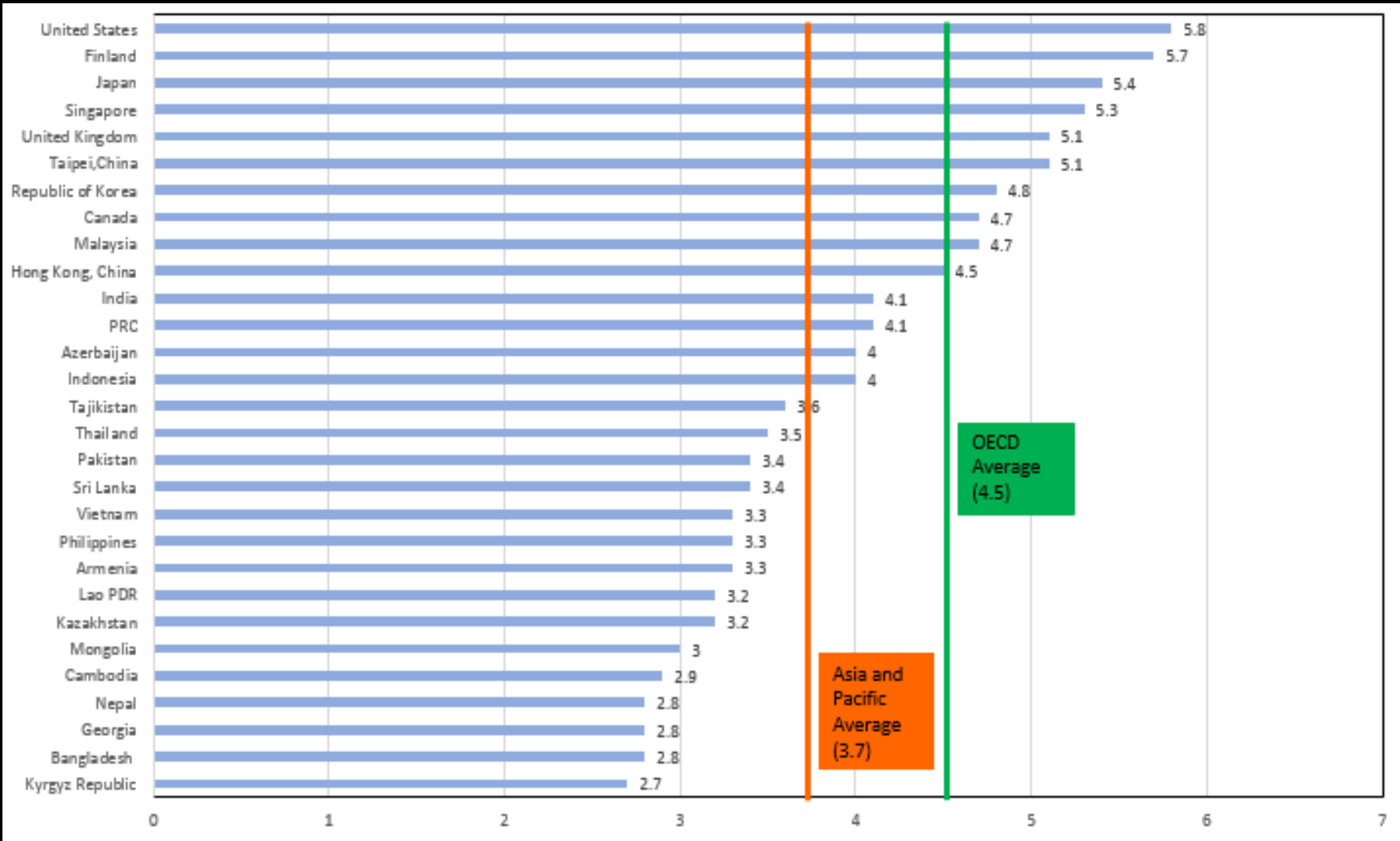


World Economic Forum Data, 2017–2018

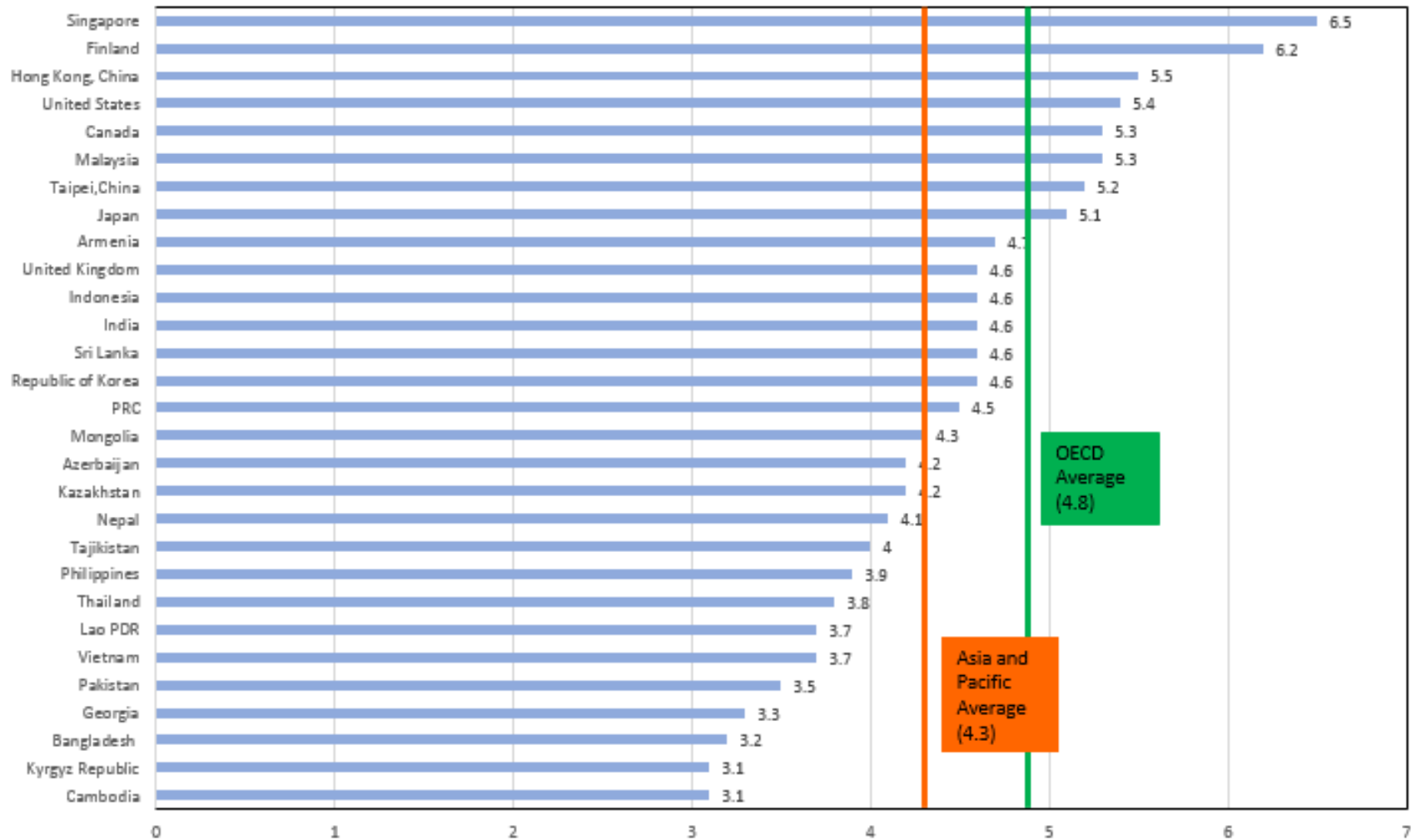
# Technological Readiness



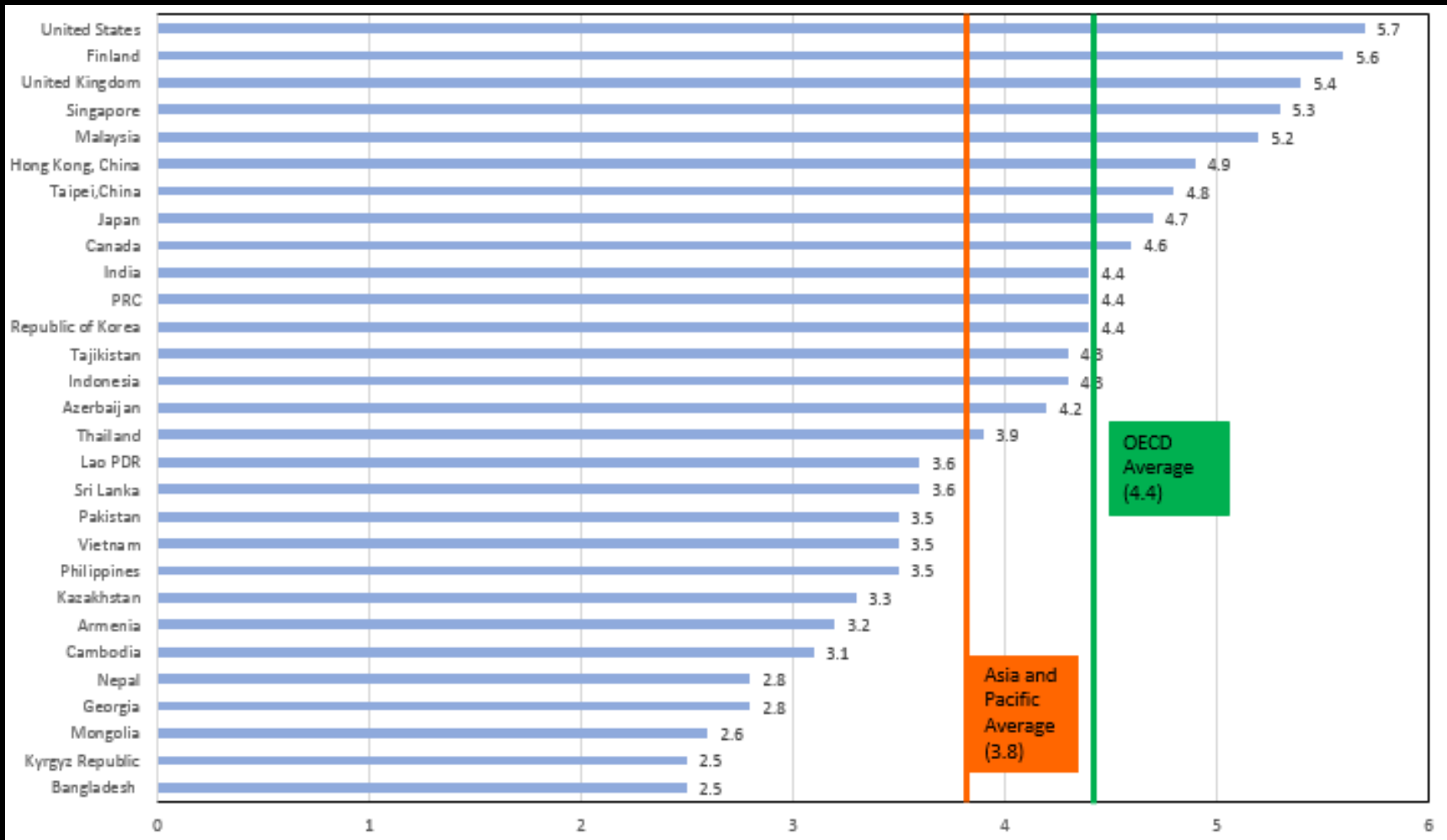
# Innovation



# Quality of Math and Science Education



# University-Industry Collaboration in R&D





# Asia's potential firepower

- ◆ Leveraging the 'platform' enterprise and economy
- ◆ Cleantech revolution through frugal innovation
- ◆ Creative and cultural industries - Intersection of technology, finance, creativity
- ◆ Re-define labor markets. online freelancers, 'gig' workers
- ◆ Skills for hi-technology serving the masses; skills for technology services
- ◆ Design, creativity maker spaces



# Education's Magic Flute

Open Institutions



- ◆ Qualification for life has expired
- ◆ Multi modal delivery
- ◆ Training for 'smart systems for 'smarter' humans
- ◆ Built environments and co-location of talent, finance and research platforms
- ◆ Innovation districts – mash-up of educational institutions, entrepreneurs, social/entertainment platforms

# Leading change through education

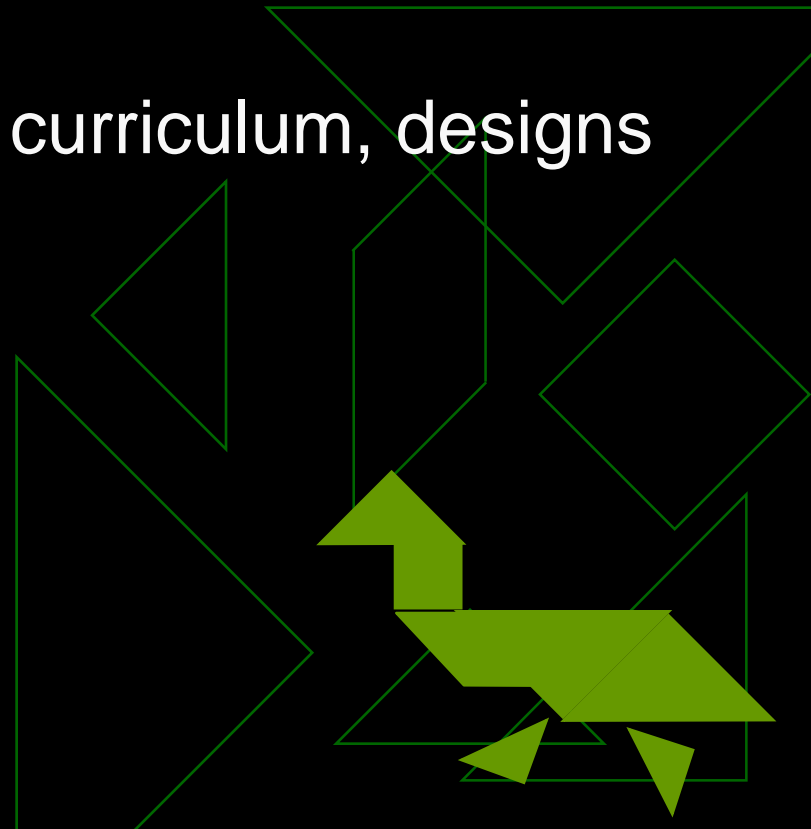
- ◆ Raft of educational interventions, eg, climate smart education; 4IR, creative industries – not be overturned by change !

- ◆ Skills and knowledge are levers for inclusive development



# Change and transformation

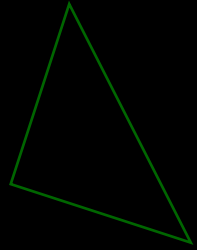
- ◆ Responsive and flexible education and training
- ◆ Rapid turn around for new curriculum, designs and delivery



# Refining and Retooling

- ◆ Agile and 'light touch' that can be upgraded, replaced
- ◆ ICT services on demand rather than legacy infrastructure
- ◆ More emphasis on courses than infrastructure
- ◆ Learning continuum across borders, courses, disciplines and virtual worlds
- ◆ Easier entry and exit points
- ◆ More emphasis on skills than degrees





**THANK YOU**

