



Harmony between AI and Job

Etona UEDA / Nomura Research Institute

**Information and Knowledge for All:
*Towards an Inclusive Innovation***

The World Conference on Intellectual Capital for Communities

UNESCO, July 3&4 2017

Before Start; Who NRI? Top Think Tank, Consulting Firm & Sler in Japan

- Founded in 1965
- 6,000 Employee (Group 11,000)
- Listed on Tokyo Stock Exchange
- Sales \$3.9 bill.



Is Japan Too Optimistic against AI?

No

- Japan will face severe shortage of workforce due to the low birthrate.
 - 8 million down in 2030 (compare with 2014)
- Choice; AI or Foreign Workers
 - But the door for foreign workers is almost closed.
- AI is not the **threat** for our jobs but the key **solution** to keep our society and industry.

AI Will Cover Half as Max. Creativity, Social Intelligence and Flexibility are for US.

- AI can cover only the half (49%) of current workforce.
 - Oxford & NRI analyzed *Automatability* of existing jobs of Japan.
 - Full report [EN]: goo.gl/BJF8Lq
- AI is not almighty, AI is weak for 3 area.

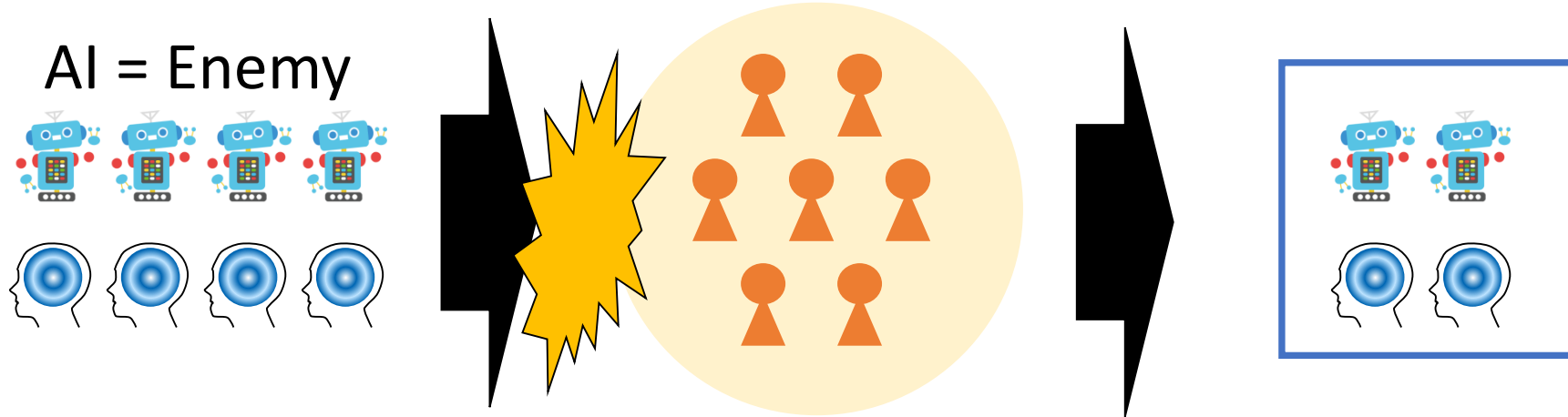
Creativity

Social Intelligence

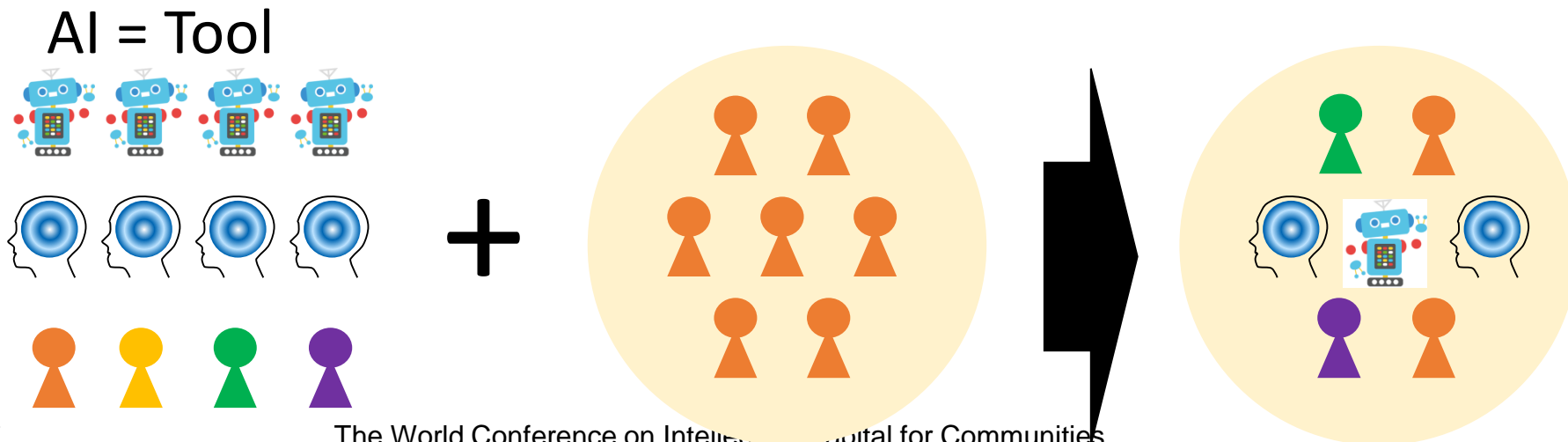
Flexibility

AI is Our Future Tool, not Enemy

Replace
Model

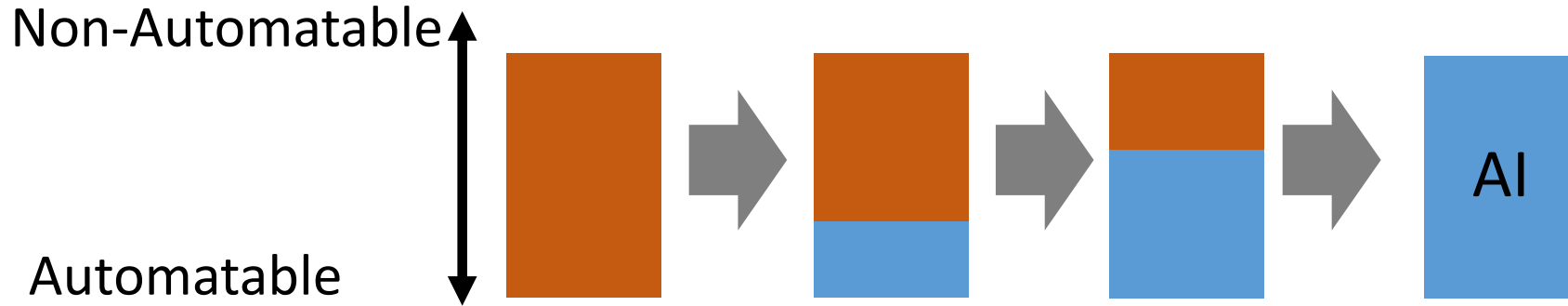


Cowork
Model

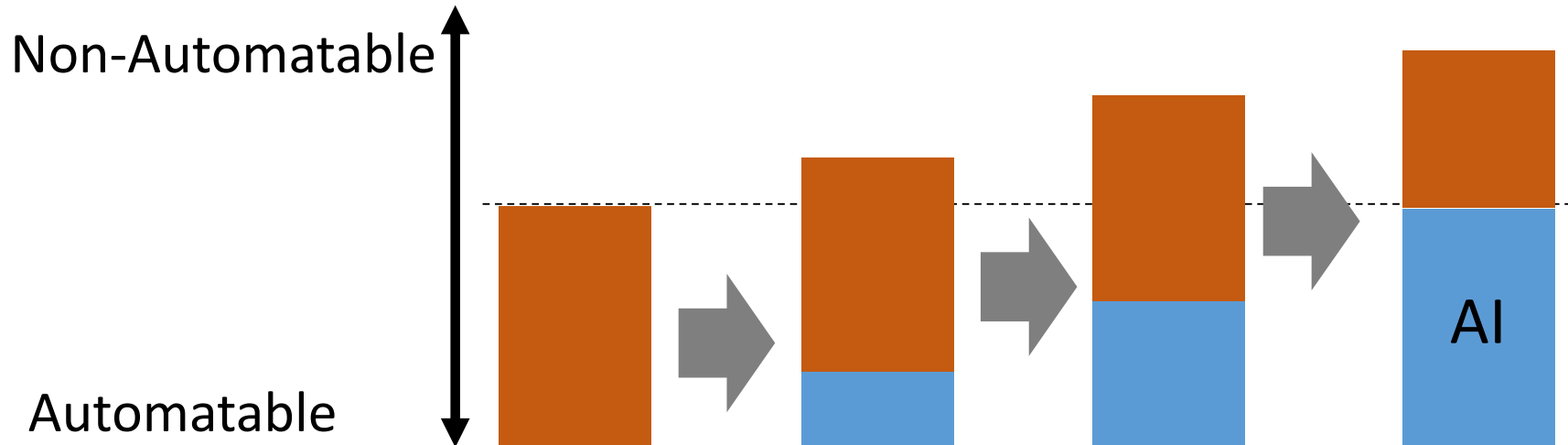


AI Automate Step by Step but Human Also Improve our Value

Replace
Model



Cowork
Model



Our coming challenges

- Human focus on valuable works which AI will not cover.
 - Generalists to Experts
 - AI for efficiency, Human for innovation & communication
- Company rebuild/simplify business processes and organization structure to suitable for coworking with AI.
- Society digitalize information for AI, then share knowledge with neighbour.