

2015/HLPD-STHE/017

Session 5-2

Multiple Perspectives: Academic, Government and Private Sector

Purpose: Information Submitted by: United States

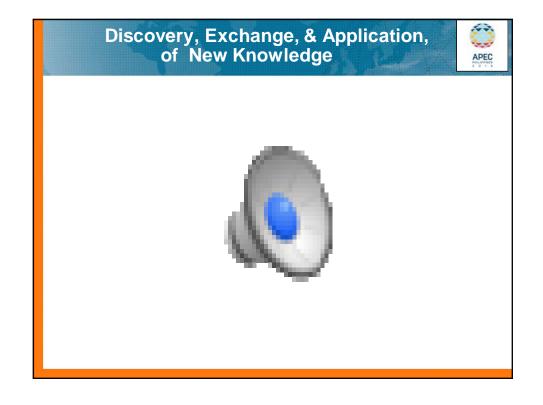


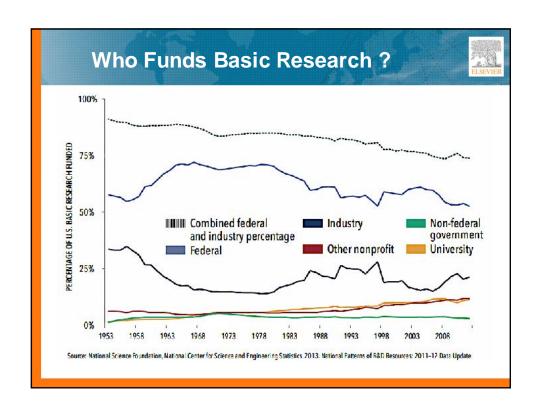
High Level Policy Dialogue on Science and Technology in Higher Education Manila, Philippines 13-14 August 2015

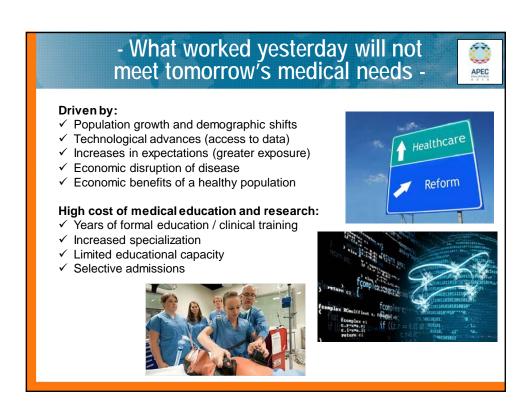


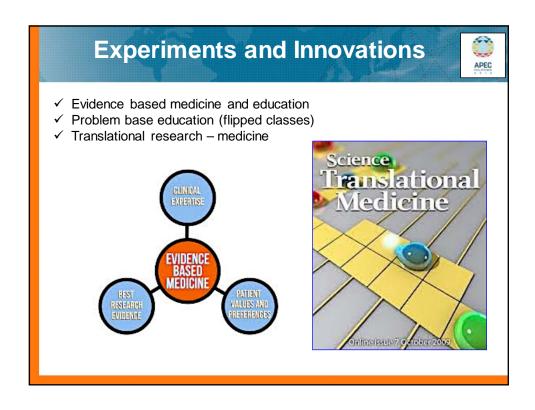


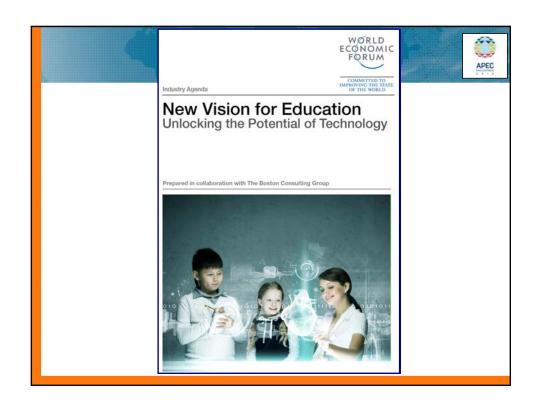


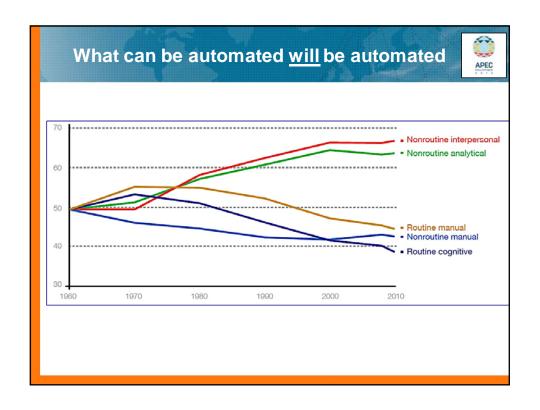


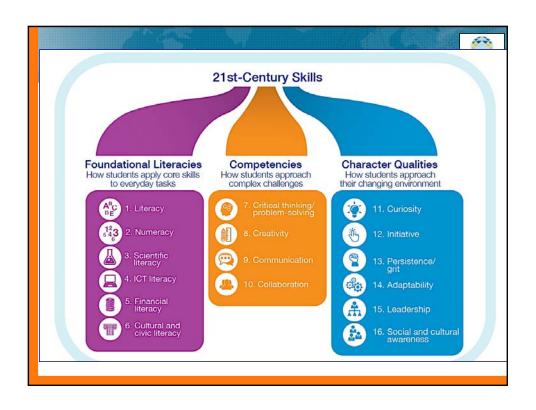


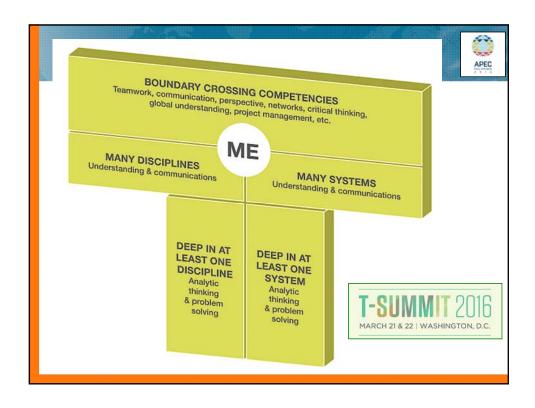


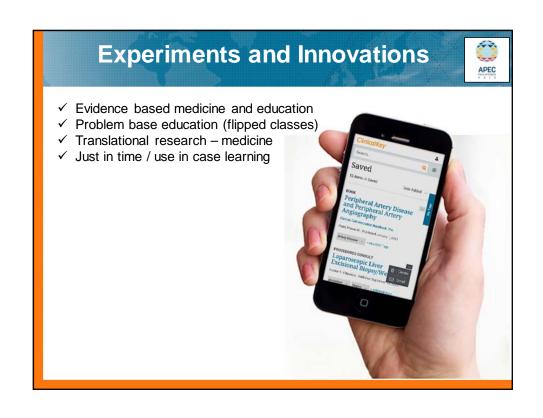




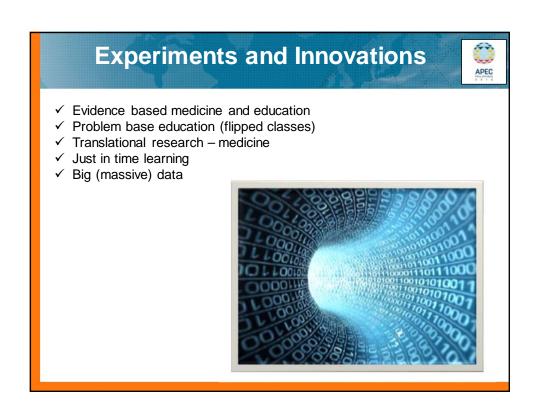












Big Data - A Black Swan Evolution or Revolution?



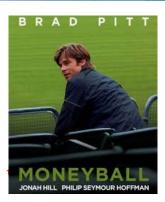


The Wall Street Journal called out "Big Data" as one of three game changer or 'black swan' technologies that will transform the future.

Practically every major sector of the economy and scientific enterprise is thinking about (or rekinkling) the idea of Big Data as key to solving important problems in and across disciplines.

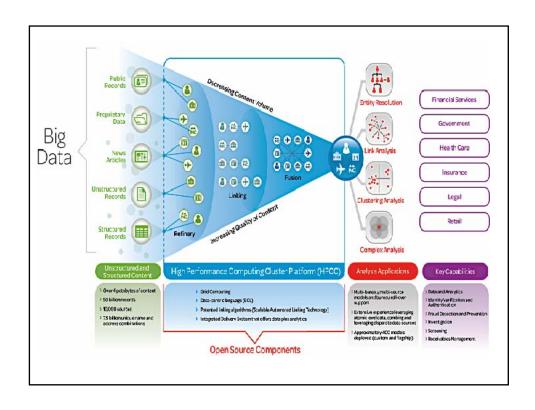
Harnessing Big Data Is Our Opportunity

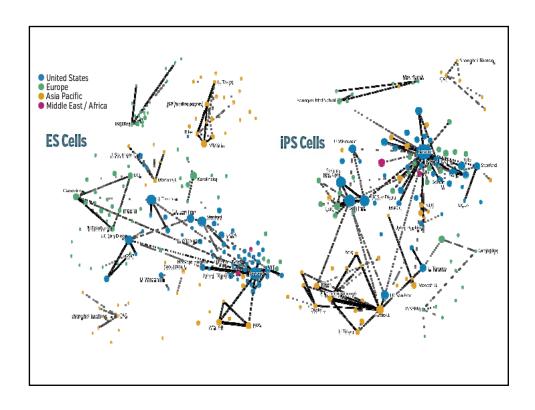


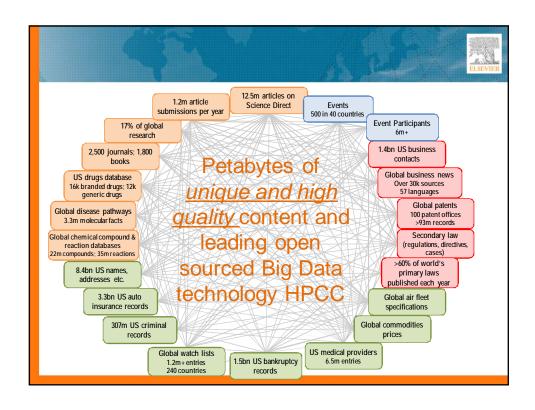


"A Team of Experts is not an Expert Team without Data"

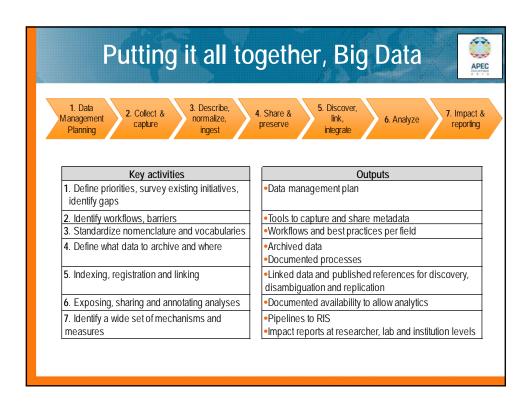






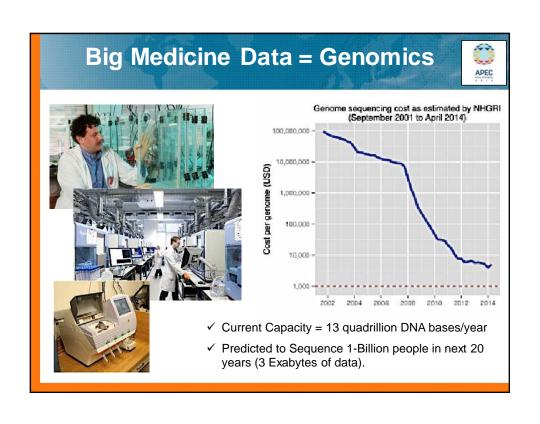


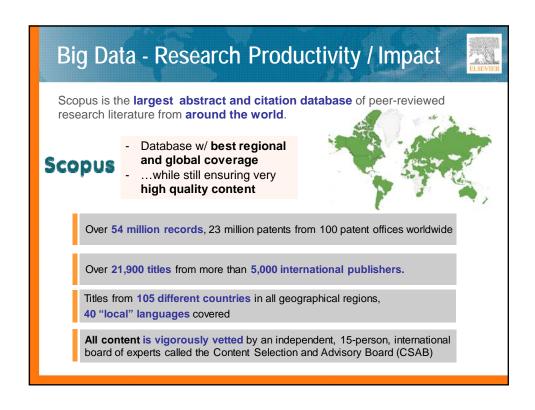






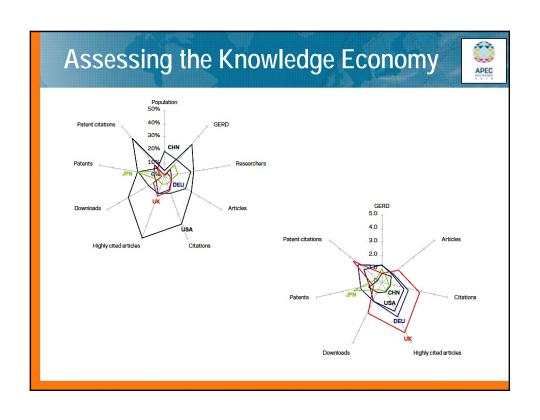














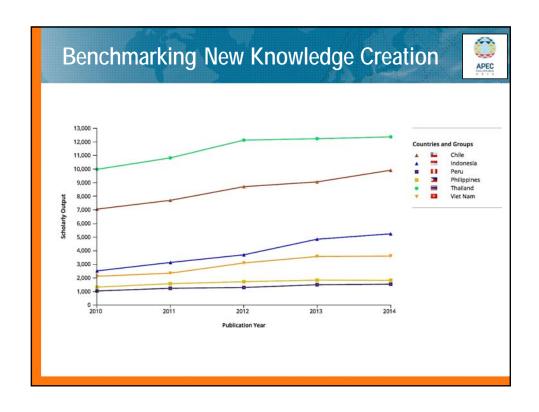


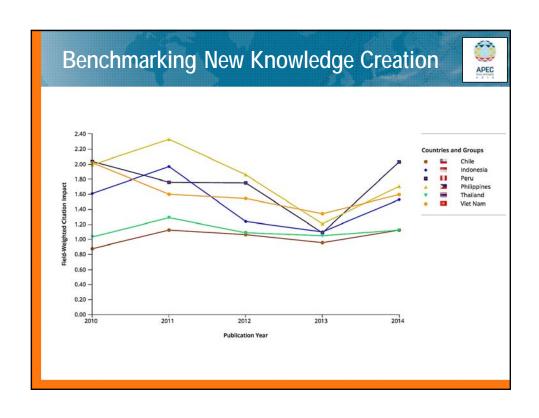












Biomedical Research - Medical Education **Big Data** APEC Medical Learning and Practice is evolving rapidly to meet current and future needs. Biomedical Research is producing new knowledge at an increasing rate. Biomedical Big Data is more than just very large data or large number of sources. ✓ Structure and Unstructured Data ✓ Data Analysis and Combined Analysis Biomedical Big Data provides spectacular opportunities. ✓ New Insights and Directions ✓ Increased Accuracy and Levels of Precision Biomedical Big Data is diverse and complex. ✓ Genetic, Social, Environmental, Phenotypic Biomedical Big Data faces many challenges. ✓ Amount of Information (What to Keep?) ✓ Organization and Access ✓ Training

