

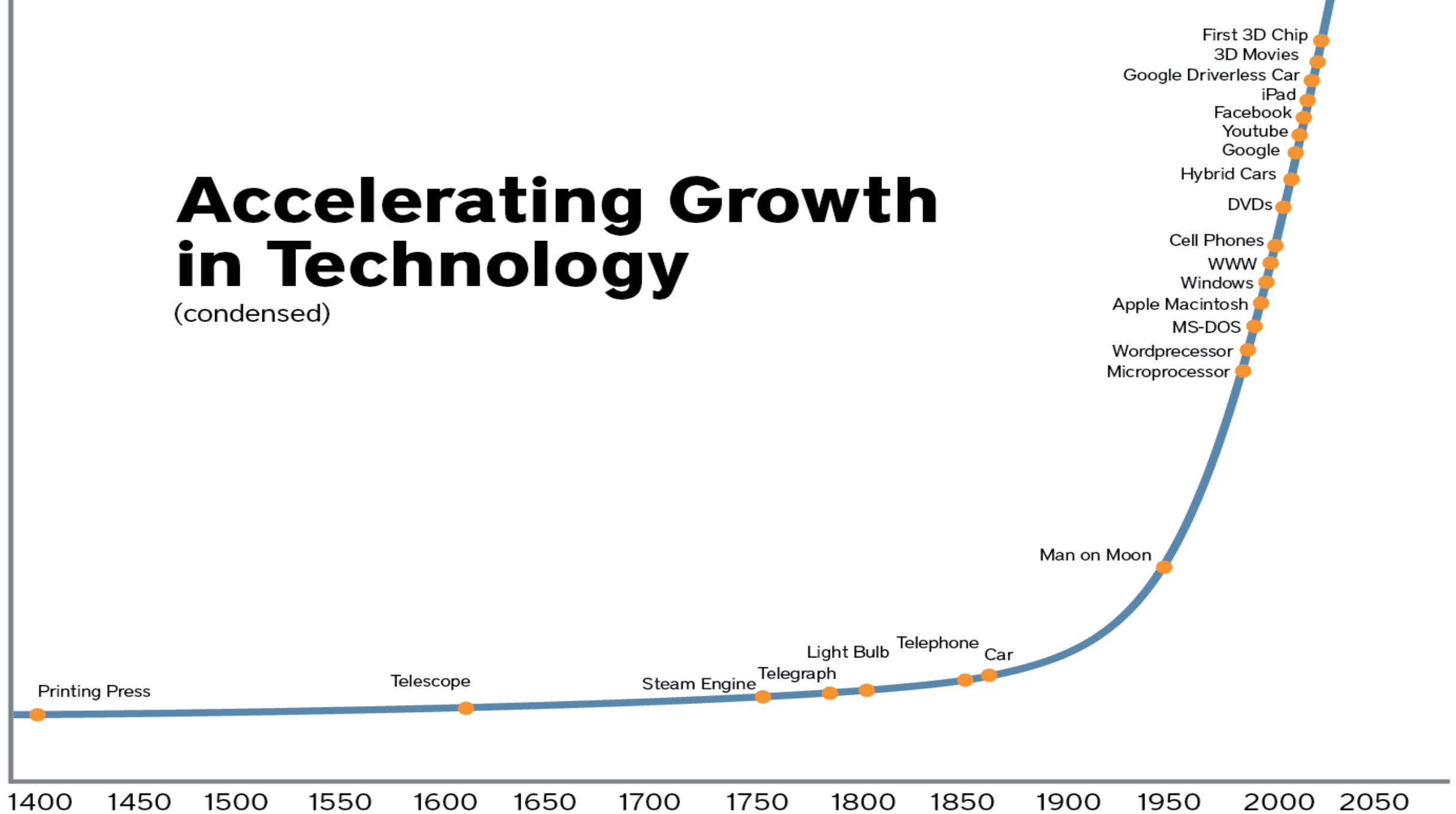


การพัฒนาทุนมนุษย์บนพื้นฐานเศรษฐกิจความรู้

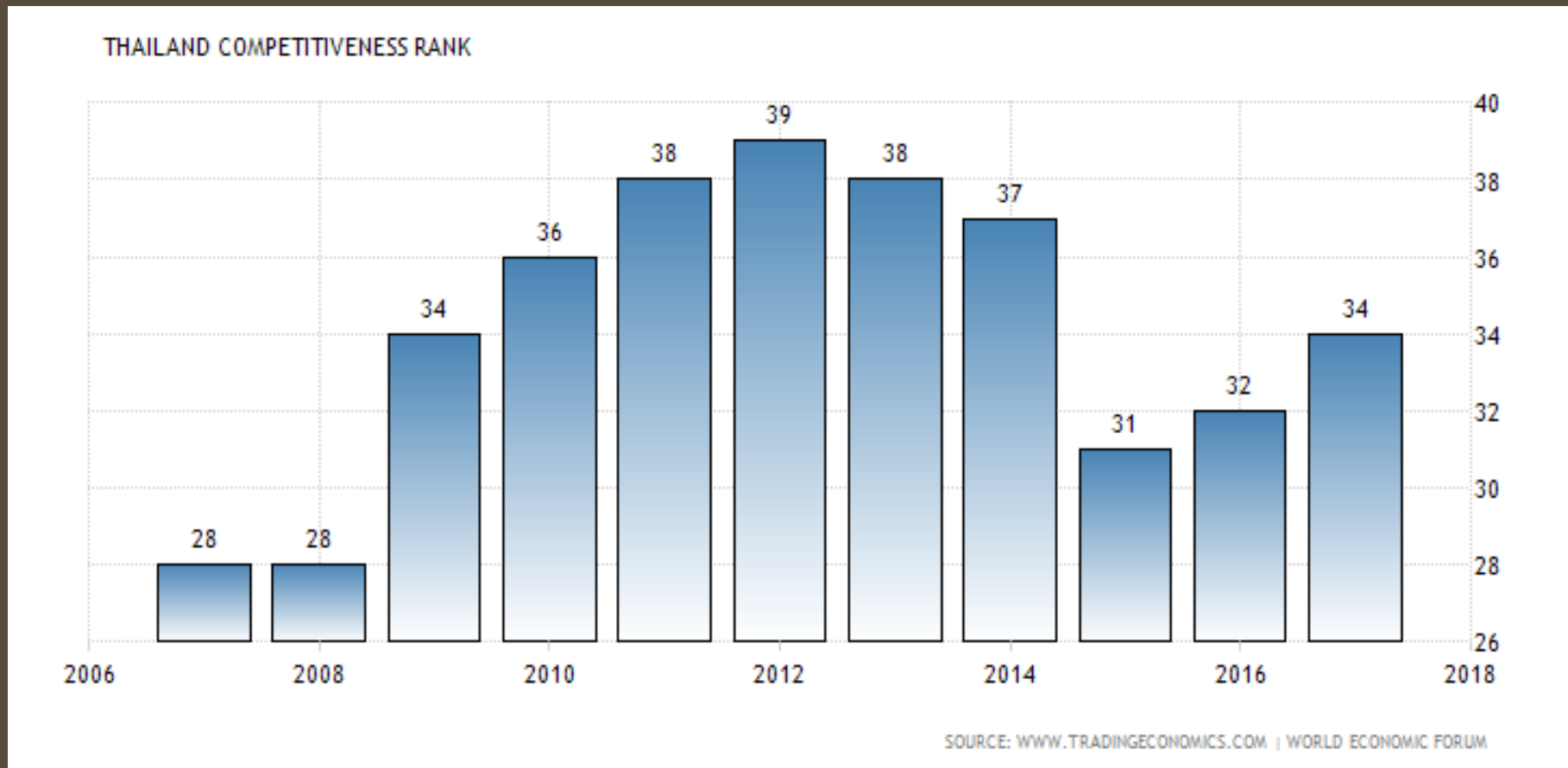
สำนักงานบริหารและพัฒนาองค์ความรู้
อภิชาติ ประเสริฐ, Ph.D.

Accelerating Growth in Technology

(condensed)



GLOBAL COMPETITIVENESS INDEX: THAILAND



GLOBAL COMPETITIVENESS INDEX 2016-2017: THAILAND BY PILLAR (138 COUNTRIES)

4th pillar: Health and primary education **86**

A. Health **85**

B. Primary education **89**

5th pillar: Higher education and training **62**

A. Quantity of education **56**

B. Quality of education **68**

C. On-the-job training **68**

9th pillar: Technological readiness **63**

A. Technological adoption **50**

B. ICT use **68**

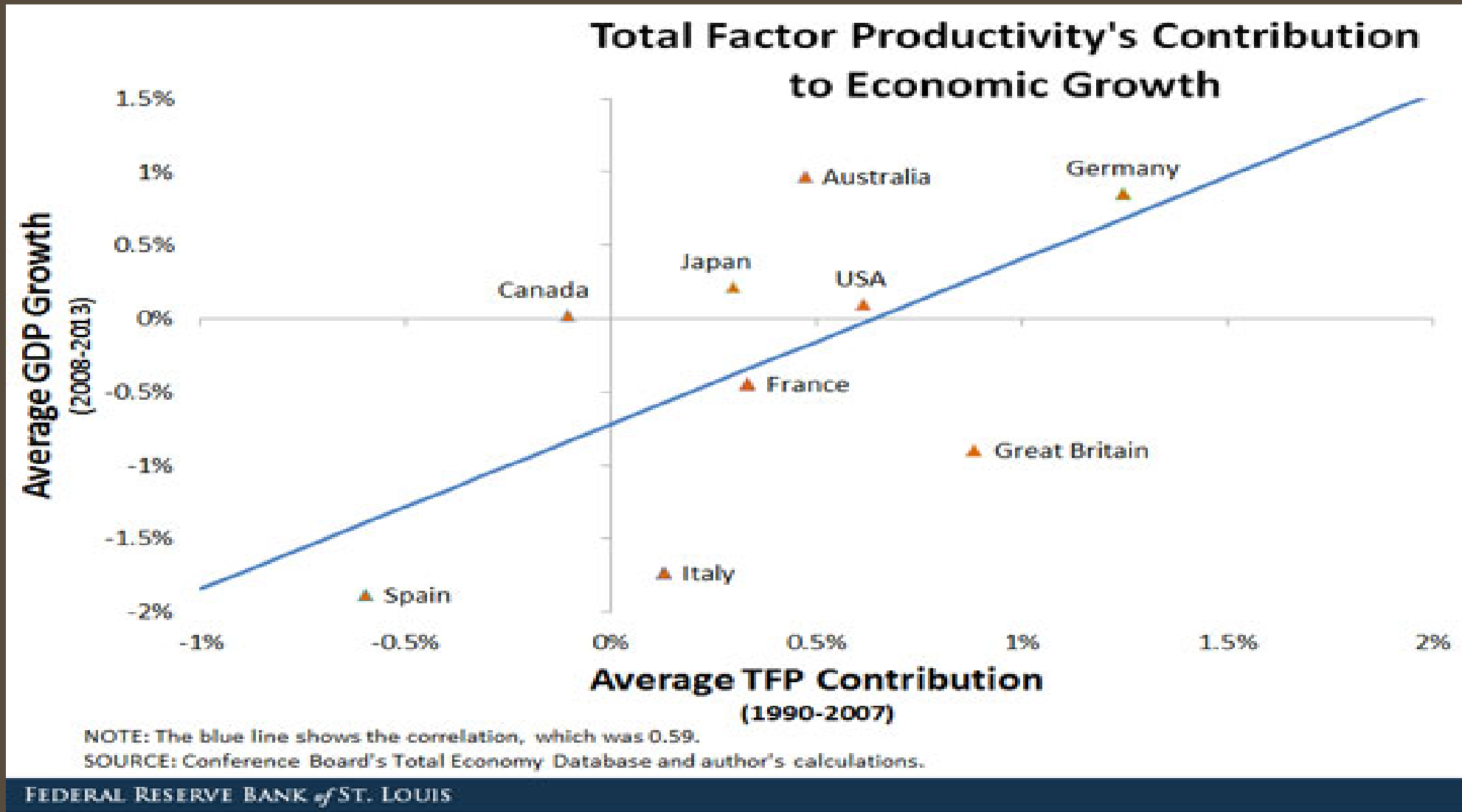
GLOBAL COMPETITIVENESS INDEX 2016-2017: THAILAND BY PILLAR (138 COUNTRIES)

12th pillar: Innovation

54

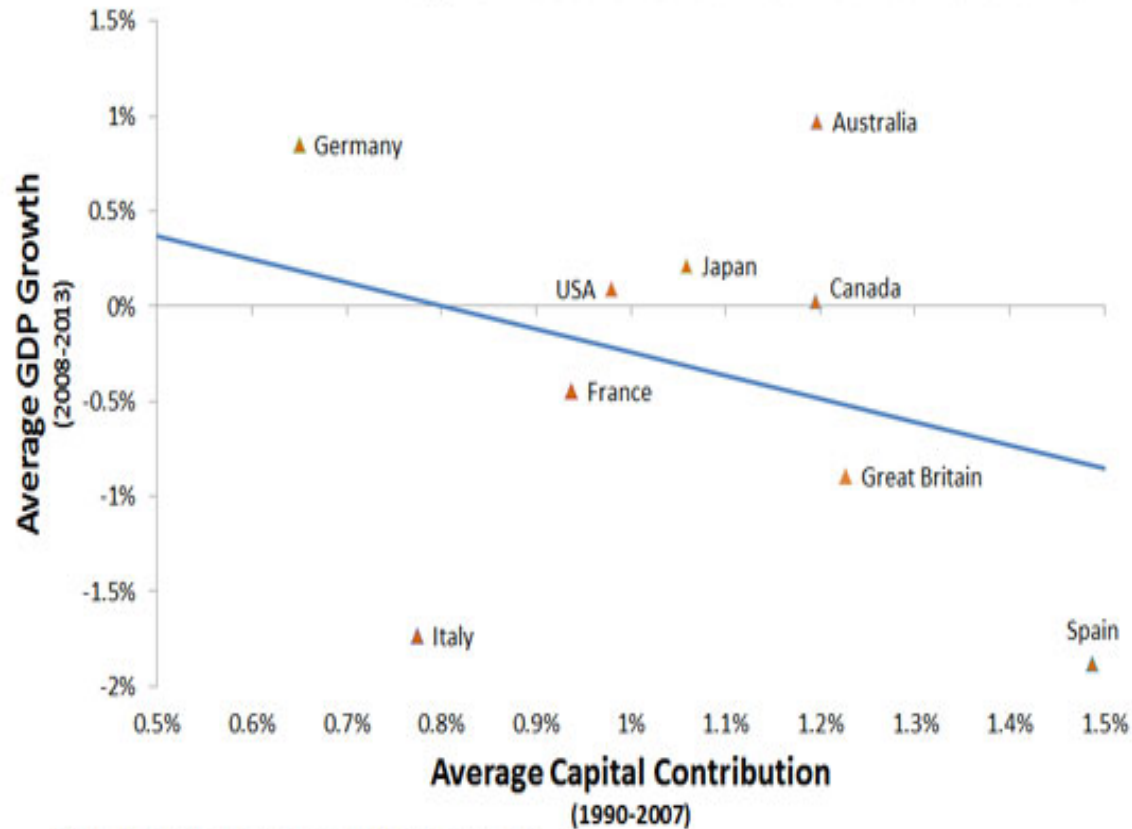
A. Capacity for innovation	70
B. Quality of scientific research inst.	56
C. Company spending on R&D	46
D. University-industry collaboration in R&D	41
E. Gov't procurement of advanced tech. products	65
F. Availability of scientists and engineers	57
G. PCT patents applications/million pop.	70

TFP CONTRIBUTION TO FUTURE ECONOMIC GROWTH



CAPITAL AND LABOR CONTRIBUTION TO FUTURE GROWTH

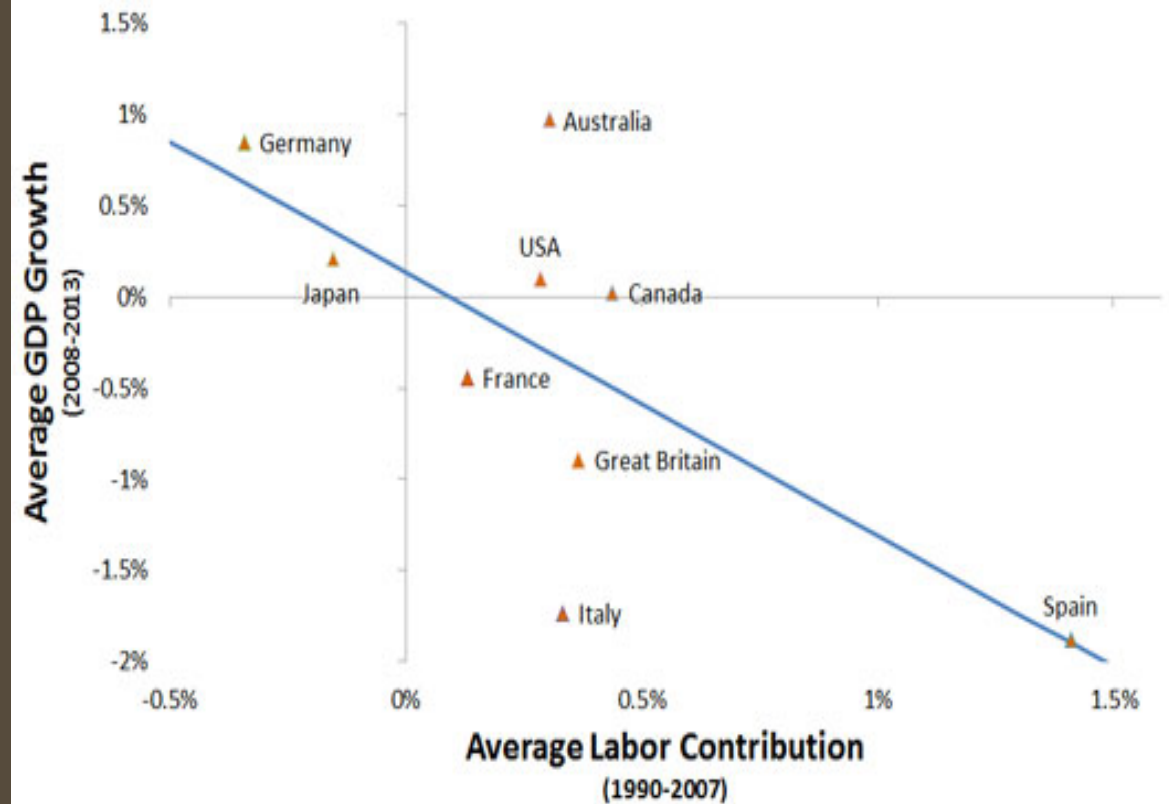
Capital's Contribution to Economic Growth



NOTE: The blue line shows the correlation, which was -0.30.

SOURCE: Conference Board's Total Economy Database and author's calculations.

Labor's Contribution to Economic Growth



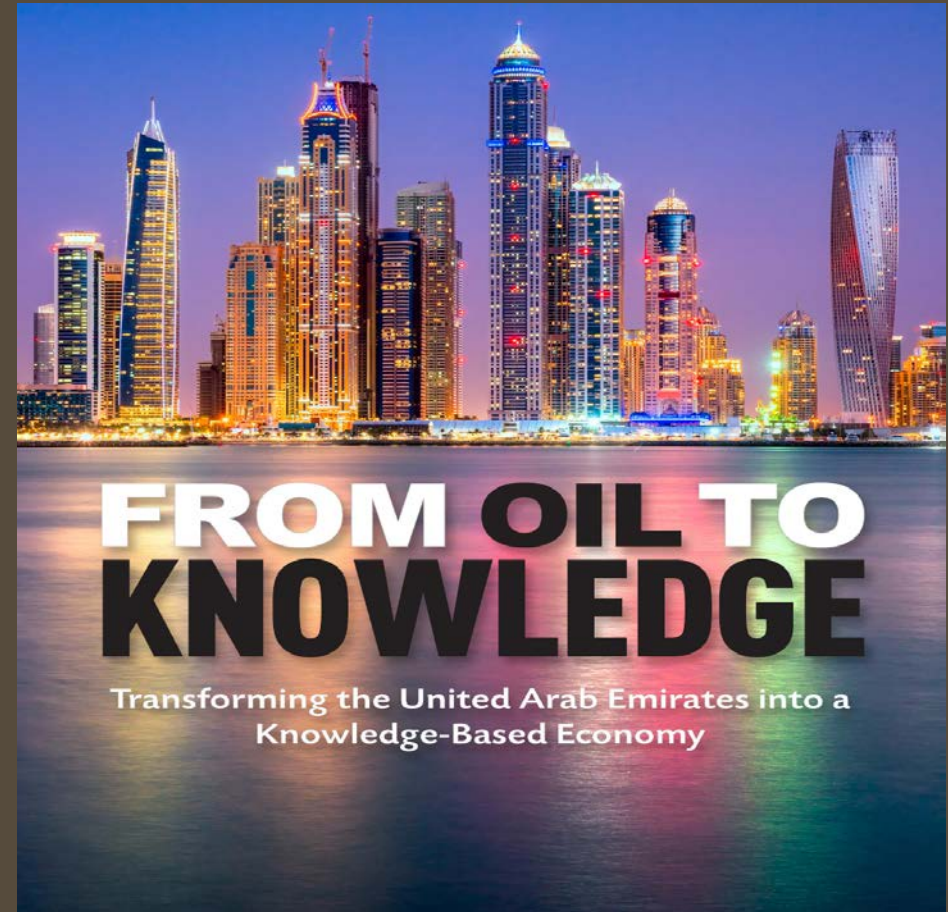
NOTE: The blue line shows the correlation, which was -0.68.

SOURCE: Conference Board's Total Economy Database and author's calculations.

KNOWLEDGE ECONOMY

“SUCCESS IN THE KNOWLEDGE ECONOMY COMES TO THOSE WHO KNOW THEMSELVES—THEIR STRENGTHS, THEIR VALUES, AND HOW THEY BEST PERFORM.”

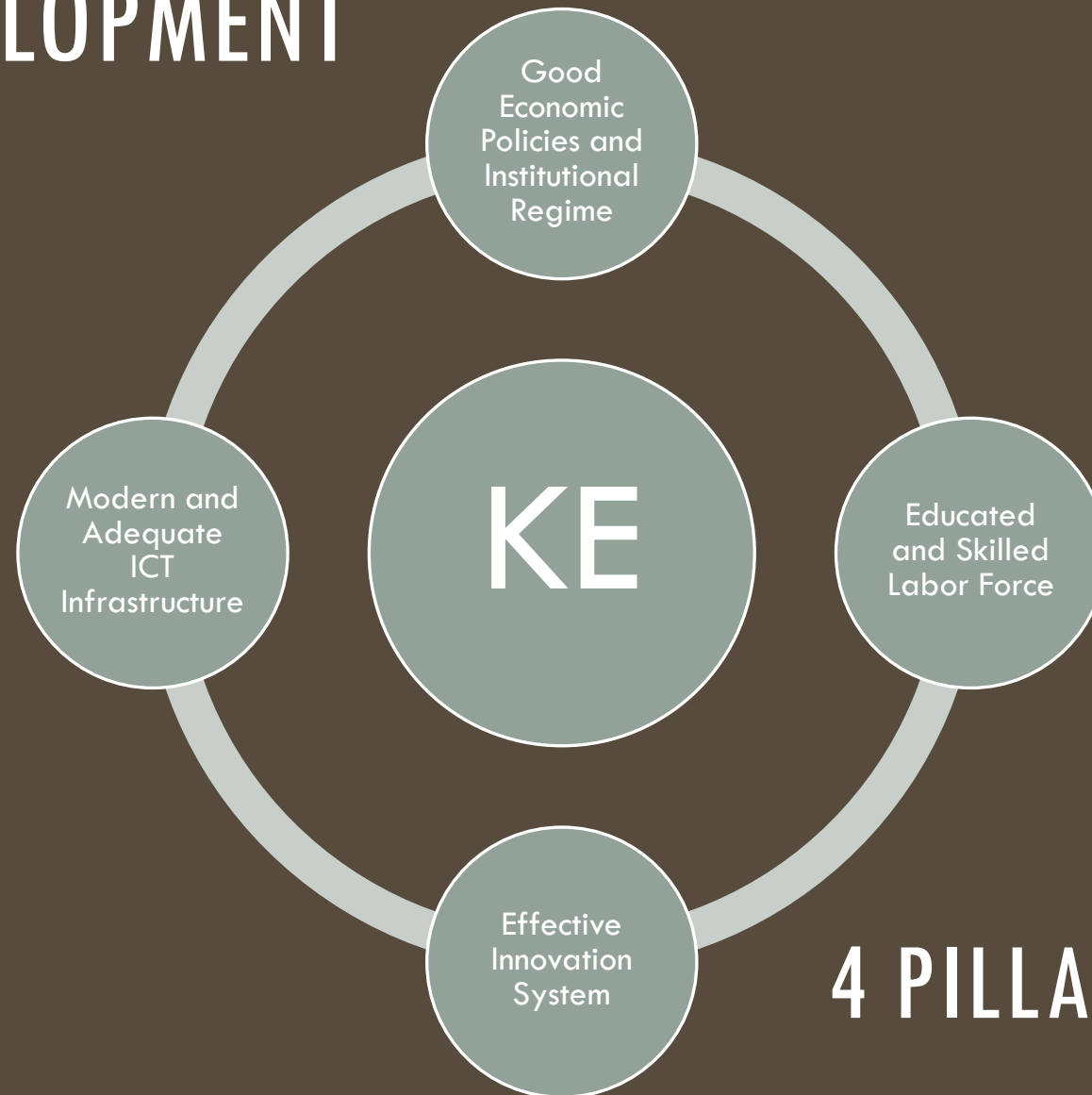
- Peter Drucker



From Oil to Knowledge provides an evaluation of the UAE's successful attempts in utilising knowledge and available technological infrastructure to transform the country's economy from oil-based to knowledge-based and towards the UAE Vision 2021.

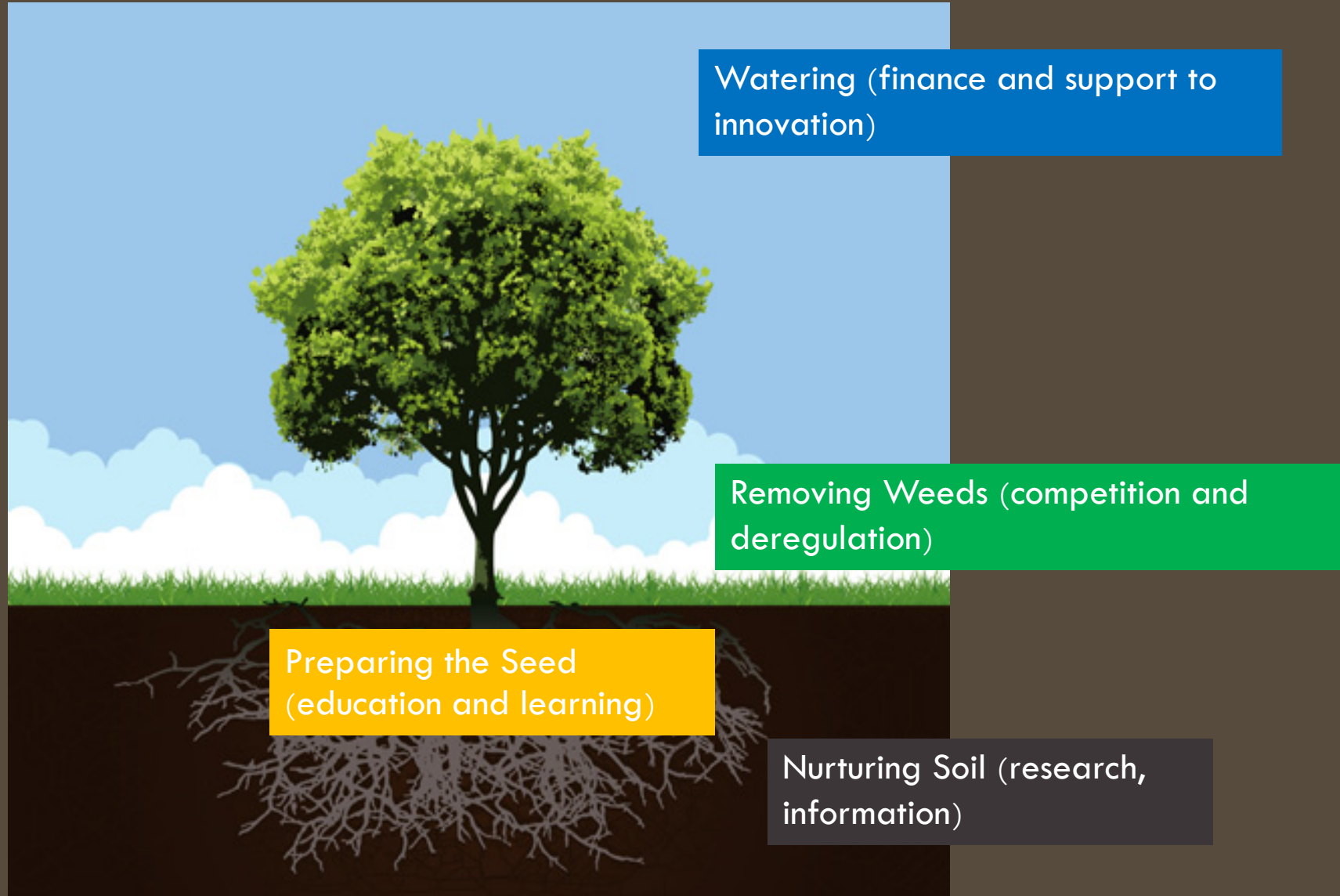
SYNCHRONIZING THE KE PILLARS WITH ECONOMIC DEVELOPMENT

- ❖ Emphasizing coordination and complementarities among the 4 KE pillars => Reducing misallocations and wastage of scarce resources



4 PILLARS OF KE

GARDENING INNOVATION



CONCLUSION: SUCCESS FACTORS

- I. Coordinated and Complementary Expansion of the 4 Pillars
- II. Government's Strong and Effective Leadership
- III. The Economy-Wide Reforms and the Array of Policy Measures
- IV. Education Basic (throughout the Stages of Industrialization) and Innovation System
- V. Mentalities, Traditions, Institutional Changes

TOWARDS THAILAND 4.0: STRATEGIES

A.
MIND
SET

Preparing Thai for
21st Century

Innovation System
(Connect and
Integrate)

Agri./Manu./Service
Sectors Development

1.
EXTREMITY

B.
SKILL
SET

Domestic Economy

Global Link

Physical/Network/Int
ellectual/Social
Infrastructure

2.
PARADOX

C.
BEHAVIOR
SET

D.
ECO
SYSTEM

Mechanism to Put
Forward the
Strategies

3.
DISRUPTION