



**FIRST MEETING OF THE HIGH LEVEL QUALITY AND
ACCREDITATION COMMITTEE TO FOLLOW-UP
IMPLEMENTATION OF
“KEY PERFORMANCE INDICATORS”
IN OIC MEMBER STATES**

**IMPROVING THE HIGHER EDUCATION
IN OIC MEMBER STATES**

**7-8 May 2014
Jeddah-Kingdom of Saudi Arabia**

Zehra Zümür Selçuk

KNOWLEDGE-BASED ECONOMY

TRANSITION

```
graph TD; TE[TERTIARY EDUCATION] --> T[TRANSITION]; T --- EIR[economic and institutional regime]; T --- II[information infrastructure]; T --- HCB[human capital base]; T --- NIS[national innovation system];
```

**economic
and
institutional
regime**

**information
infrastructure**

**human
capital
base**

**national
innovation
system**

TERTIARY EDUCATION

SESRIC REPORT

EDUCATION AND SCIENTIFIC DEVELOPMENT

IN THE OIC MEMBER COUNTRIES
2012 / 2013



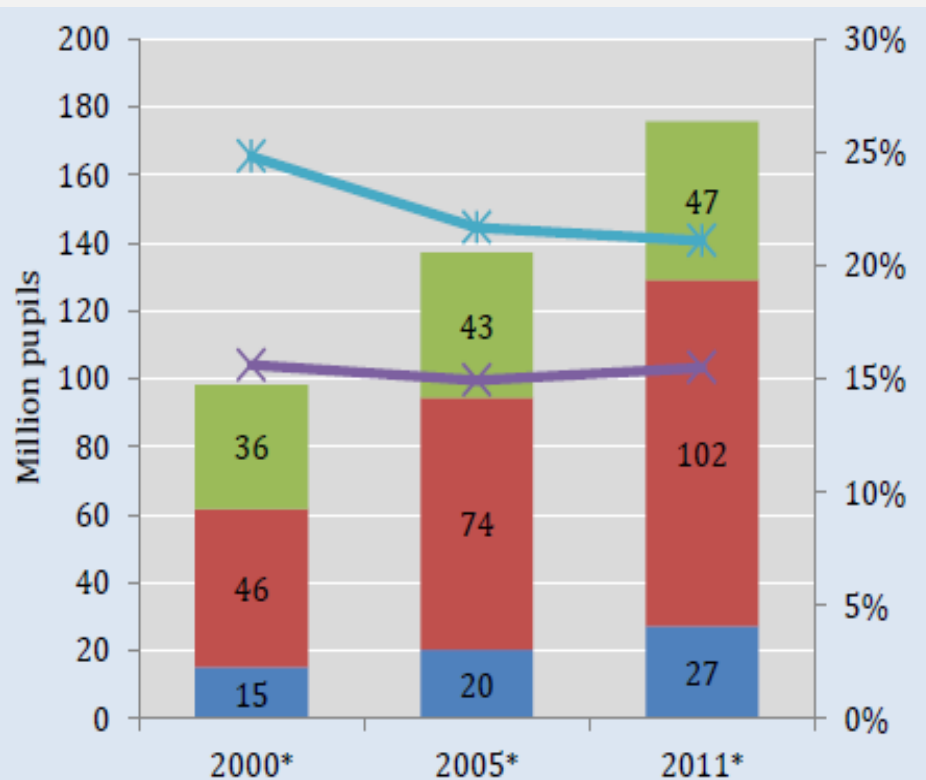
ORGANISATION OF ISLAMIC COOPERATION

STATISTICAL ECONOMIC AND SOCIAL RESEARCH
AND TRAINING CENTRE FOR ISLAMIC COUNTRIES
(SESRIC)

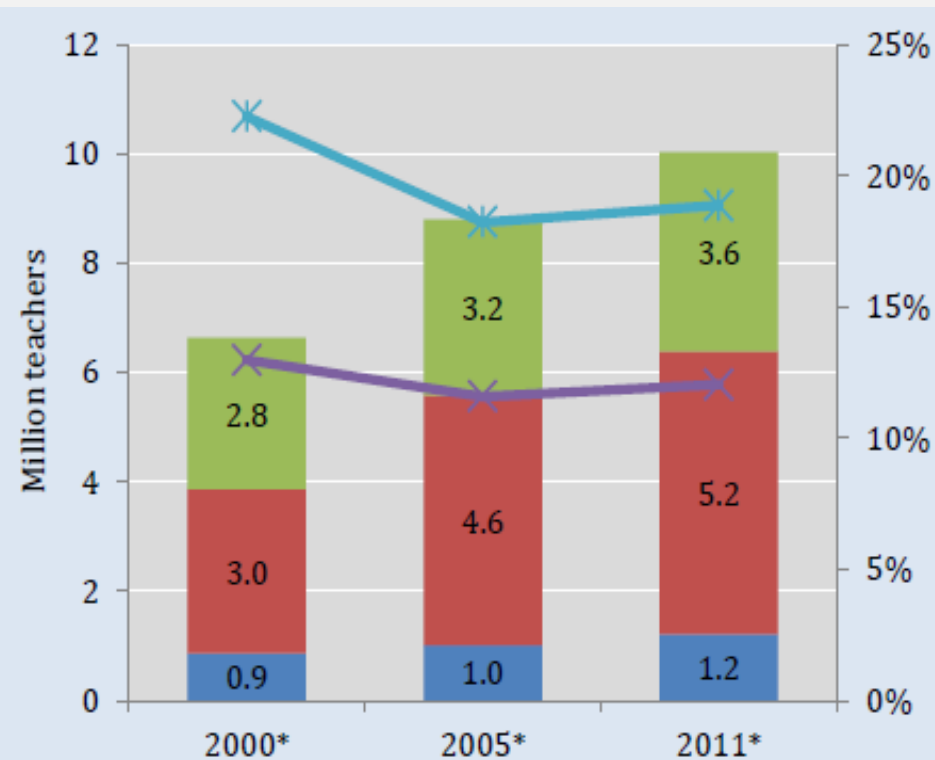
- ❖ Submitted to the 6th Islamic Conference of the Ministers of Higher Education and Scientific Research (ICMHESR) on November 2012 held in Khartoum, Sudan.
- ❖ The new version is being prepared to be submitted to the upcoming 7th ICMHESR.

TERTIARY EDUCATION

Total Enrollment in Tertiary Schools



Teaching Staff in Tertiary Schools

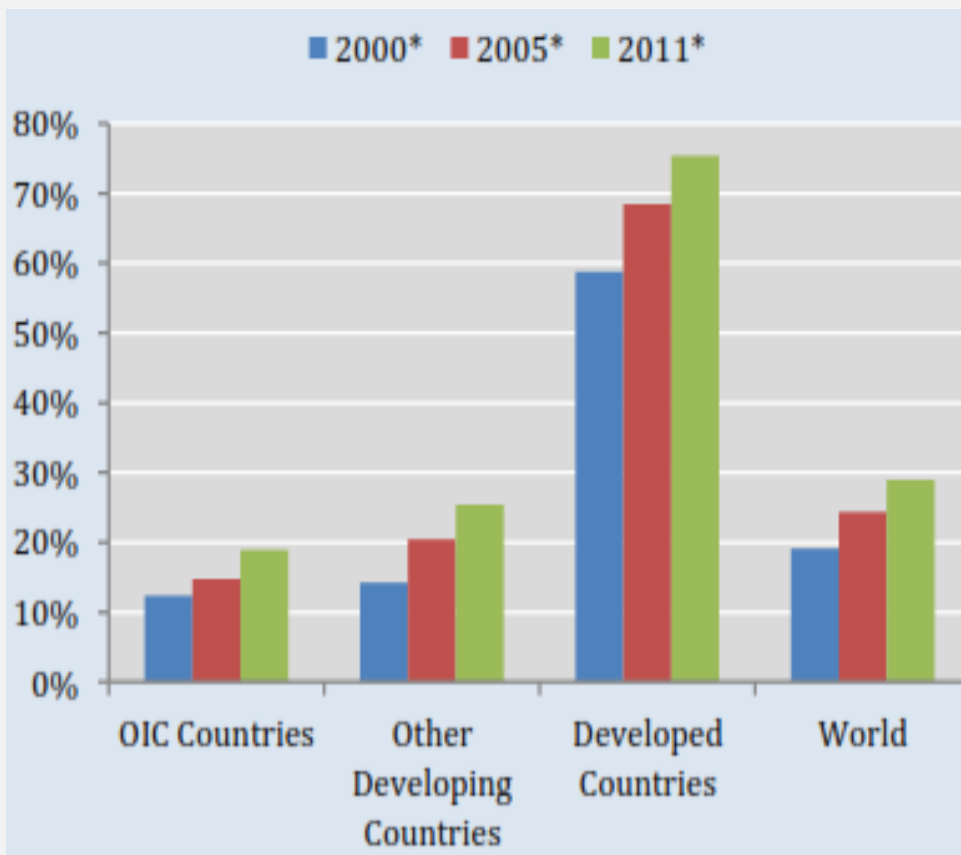


■ OIC Countries
■ Developed Countries
—* OIC (% of Developing)

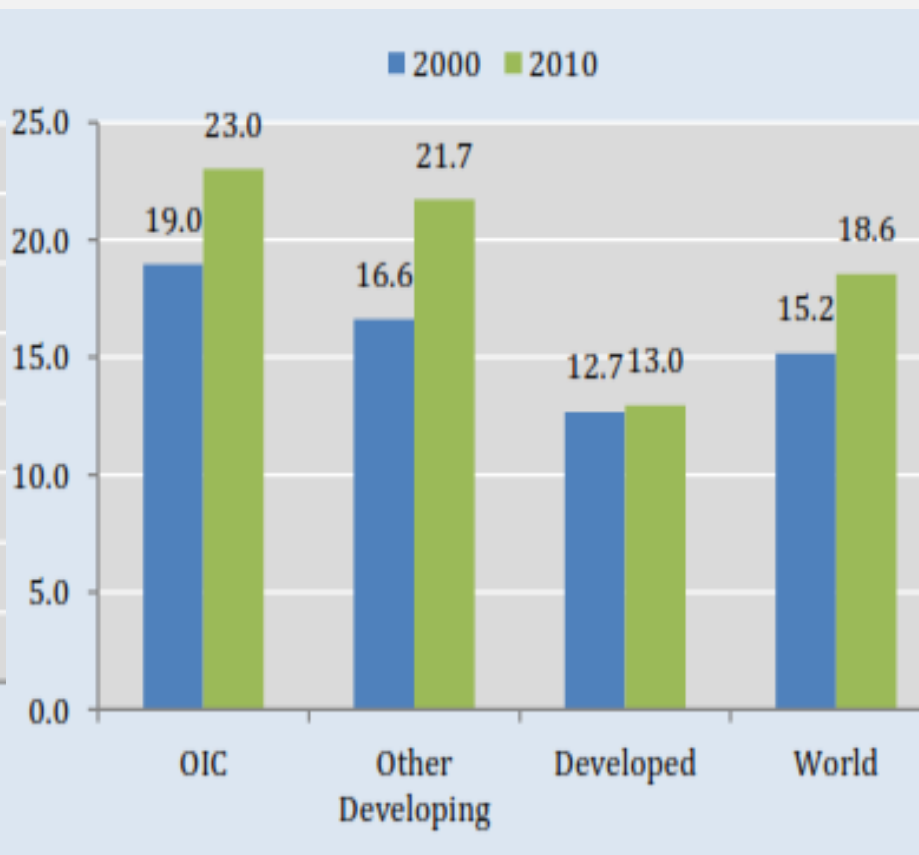
■ Other Developing Countries
—* OIC (% of World)

TERTIARY EDUCATION

Tertiary School Enrollment Rates (GERs)



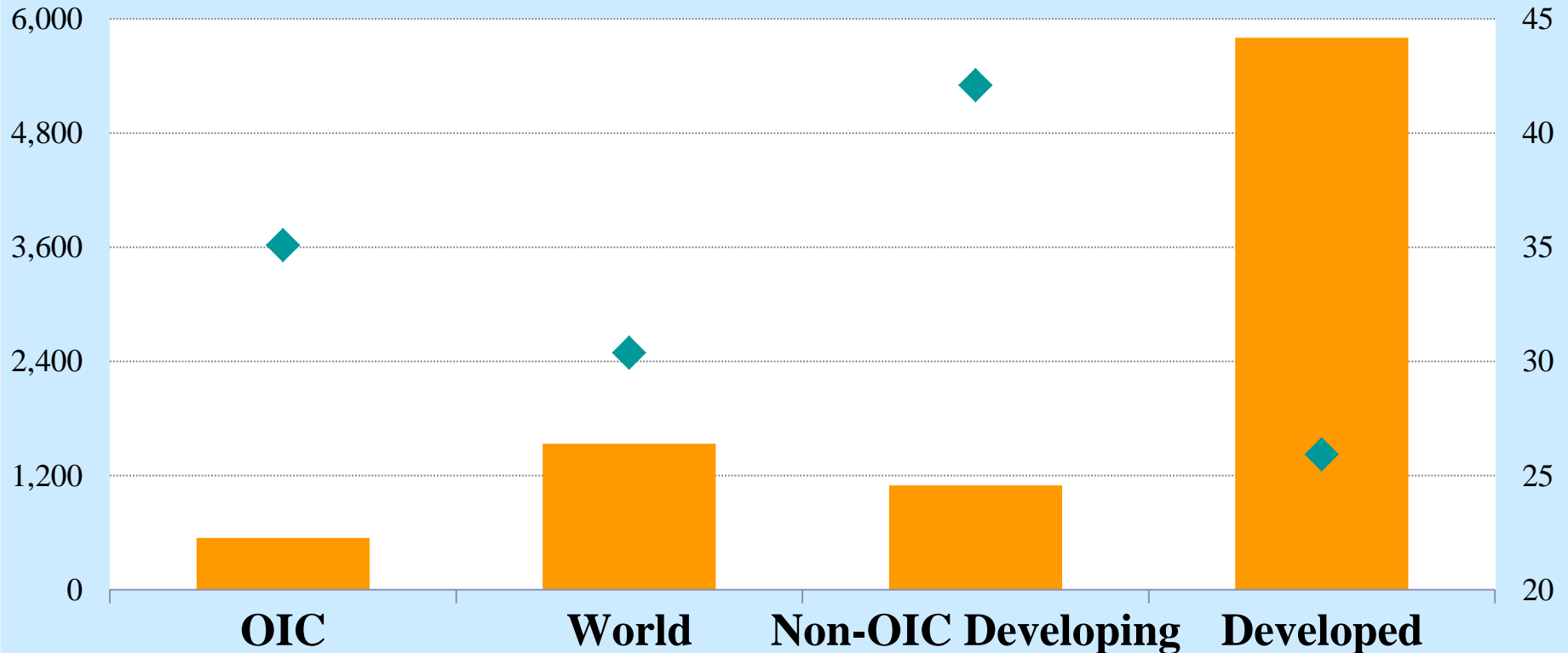
Student-Teacher Ratios in Tertiary Schools



SCIENTIFIC DEVELOPMENTS

TARGET: To achieve workforce of at least 1441 researchers, scientists and engineers per million by 1441 Hijri.

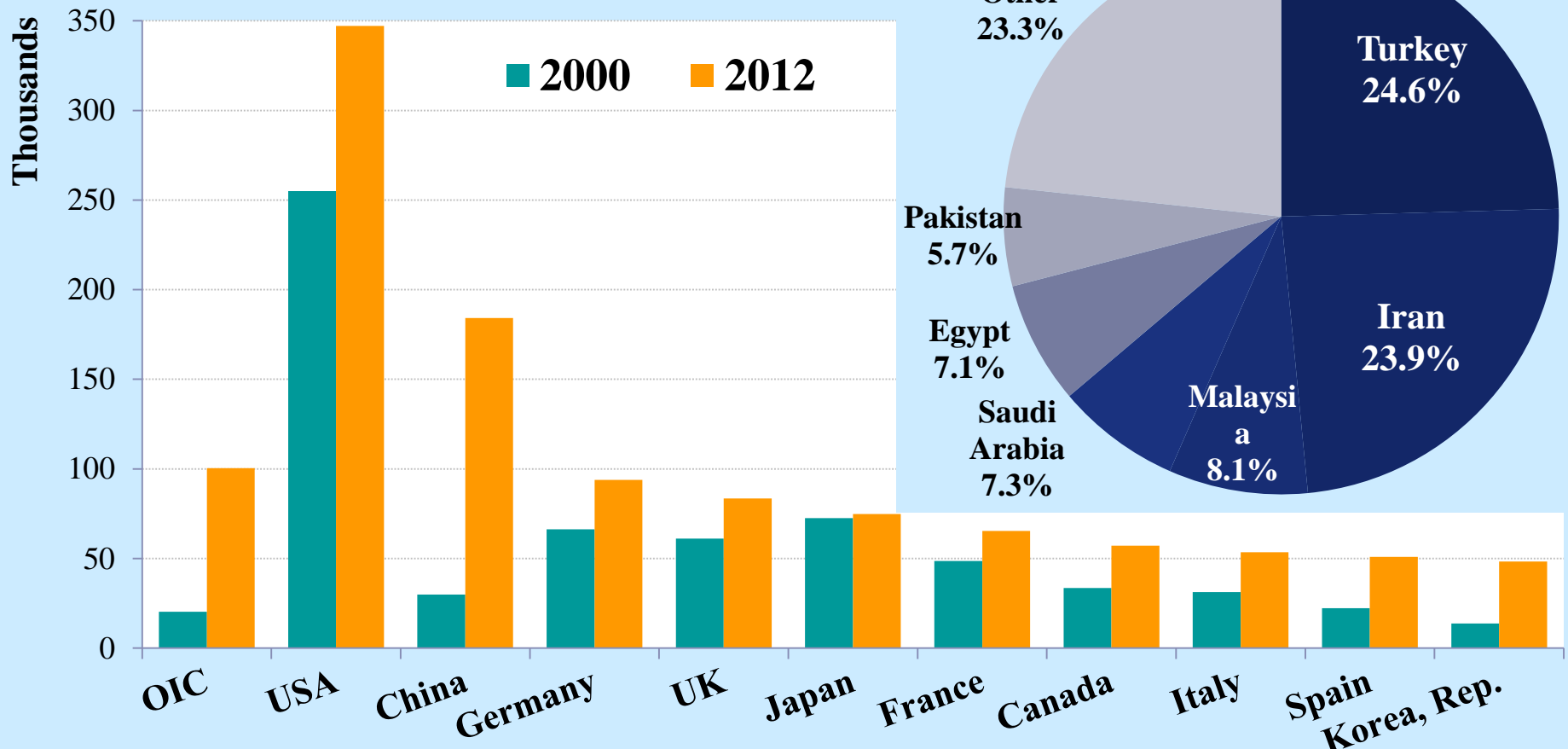
- **Researchers per Million People**
- ◆ **Female Researchers (% of total researchers) -- right axis**



SCIENTIFIC DEVELOPMENTS

TARGET: To achieve at least 14% of World's scientific output by 1441 Hijri.

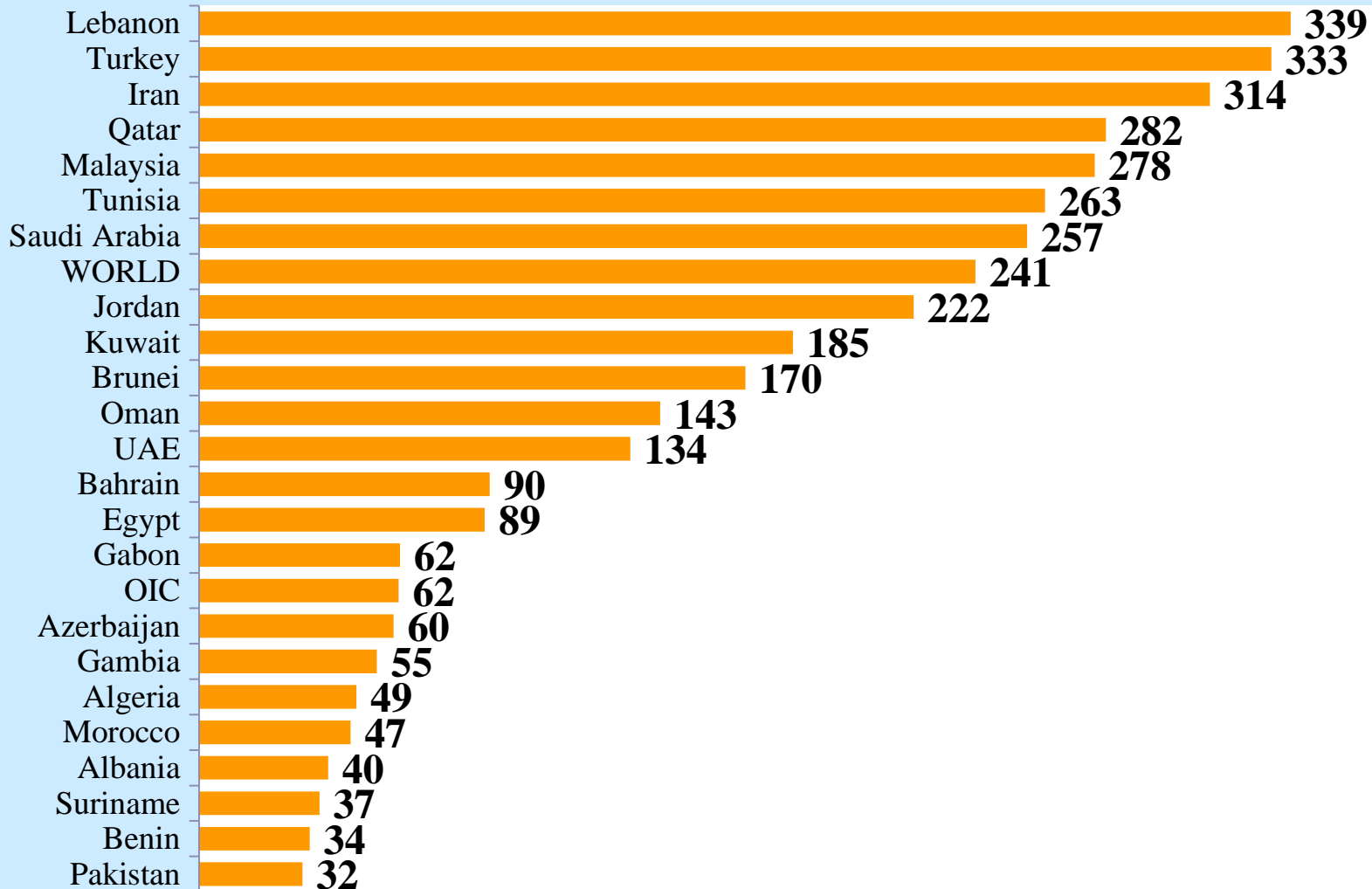
Number of Published Articles*



*In journals that are covered by Science Citation Index Expanded (SCI-EXPANDED), Social Science Citation Index (SSCI), and Arts & Humanities Citation Index (A&HCI).

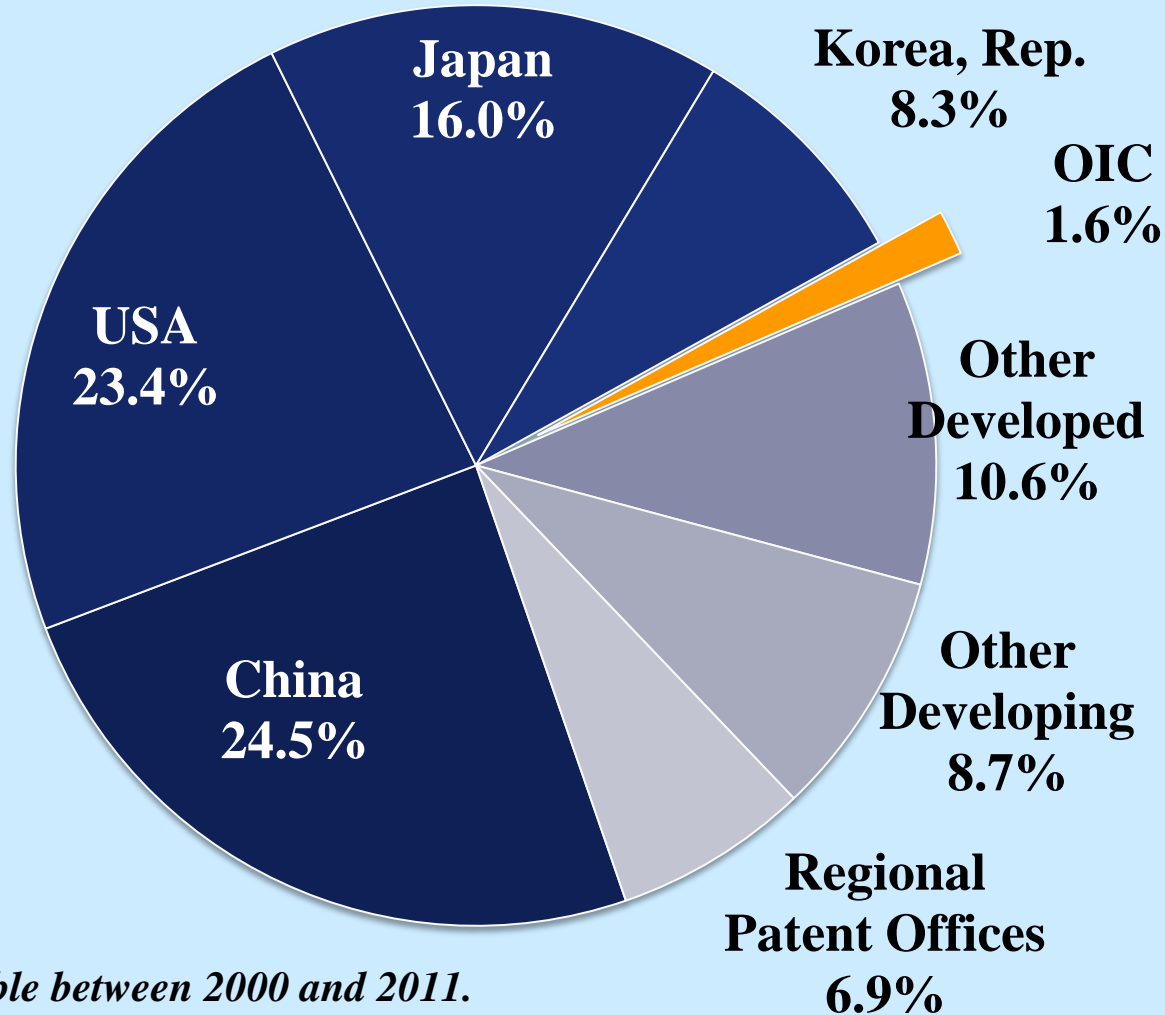
SCIENTIFIC DEVELOPMENTS

OIC Countries by Articles per Million People, 2012



SCIENTIFIC DEVELOPMENTS

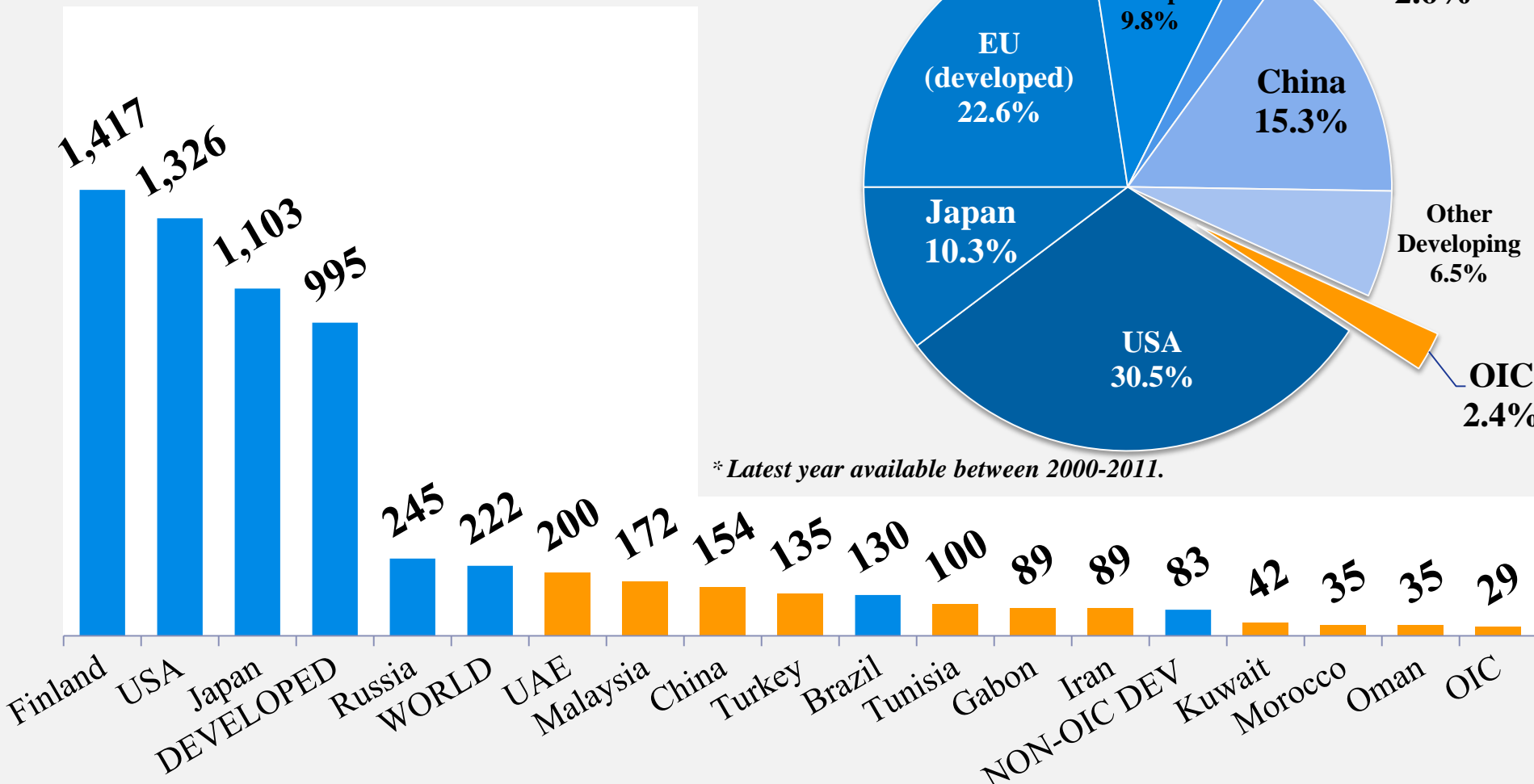
Distribution of World Total Patent Applications by Filing Office*



* Latest year available between 2000 and 2011.

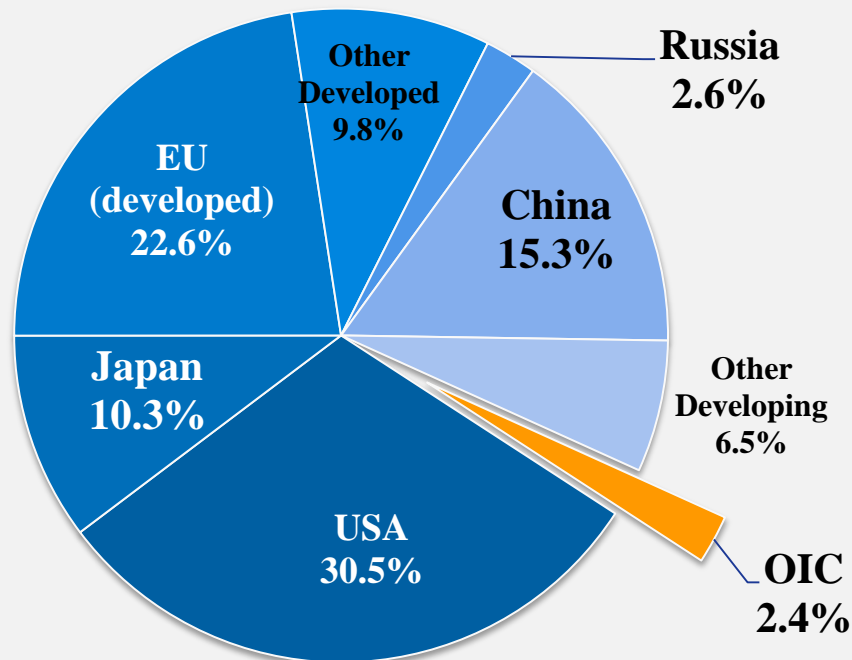
SCIENTIFIC DEVELOPMENTS

**GERD per capita (current PPP\$)
for Selected Countries***



*Latest year available between 2000-2011.

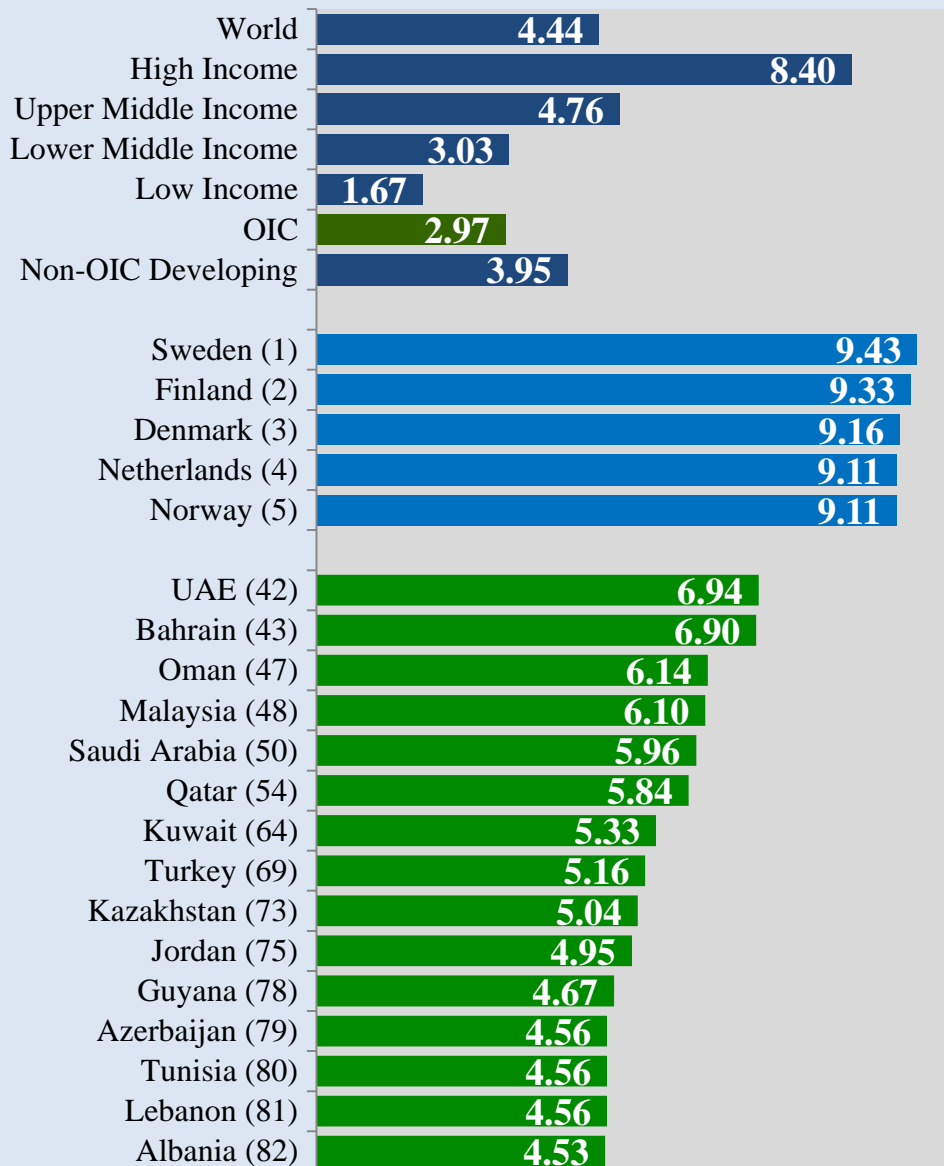
GERD* (% of world)



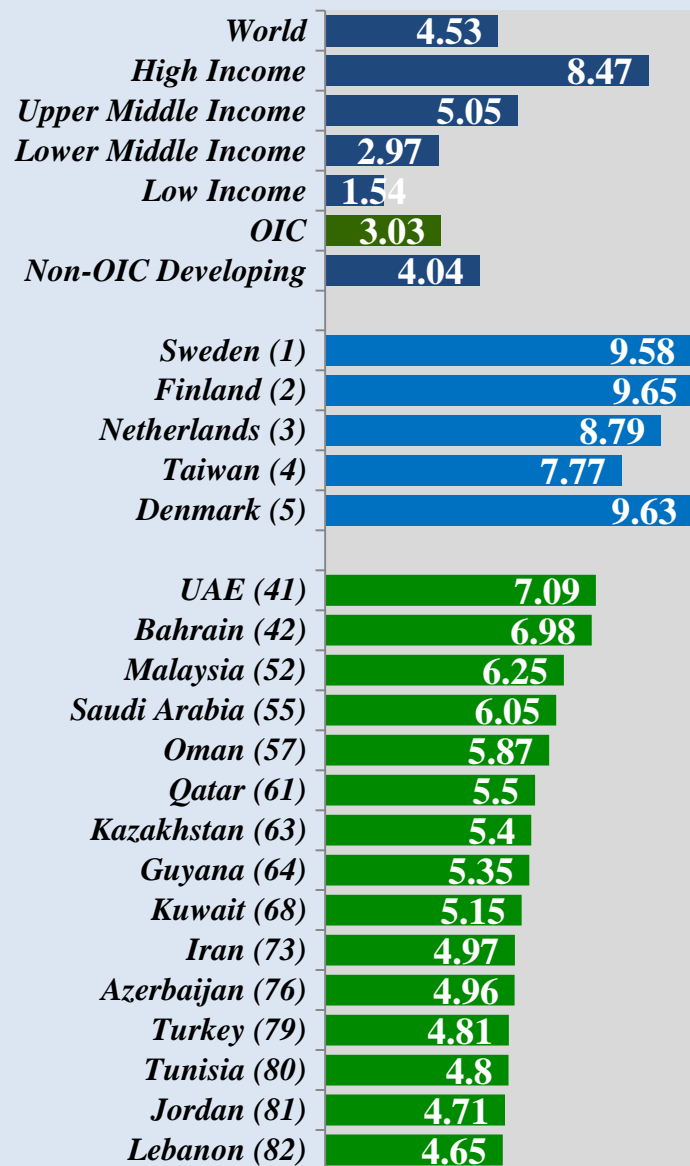
*Latest year available between 2000-2011.

SCIENTIFIC DEVELOPMENTS

Knowledge Economy Index, 2012

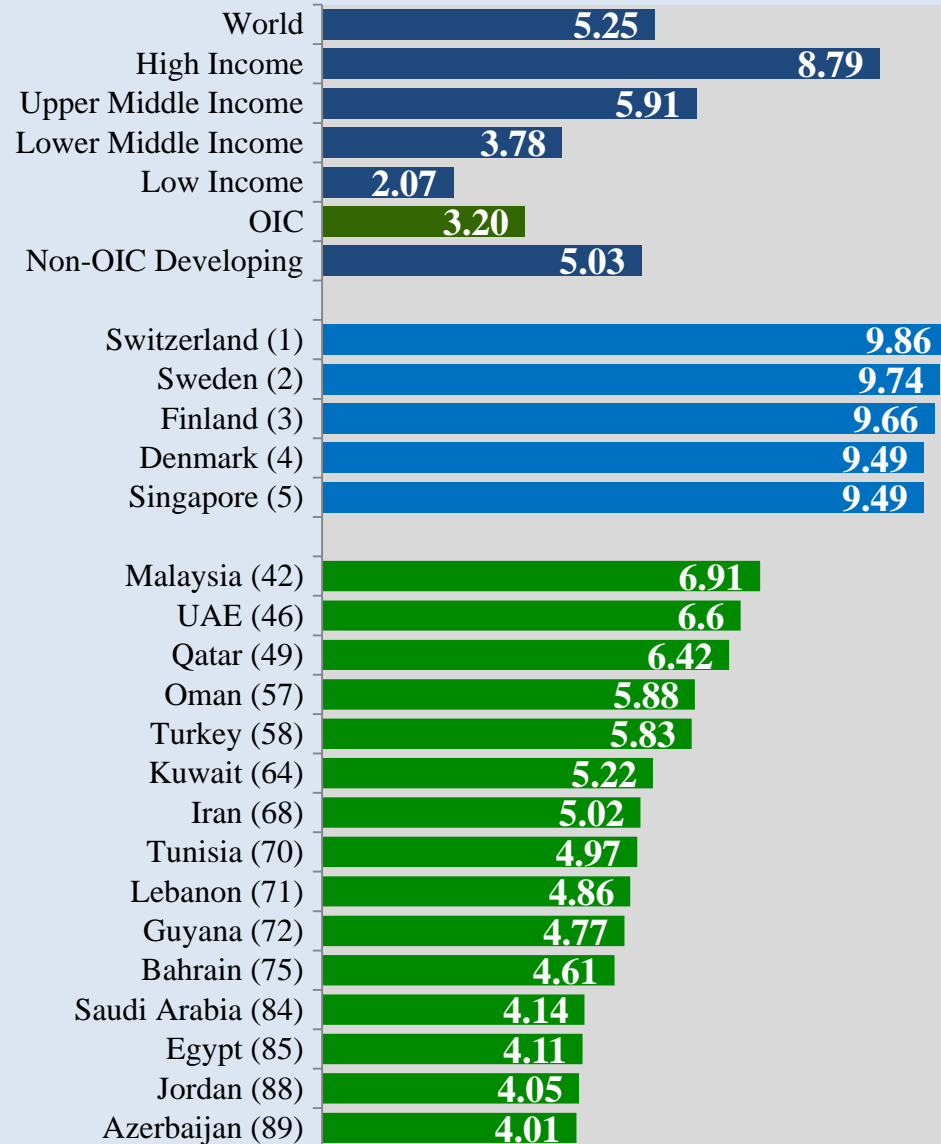


Knowledge Index, 2012

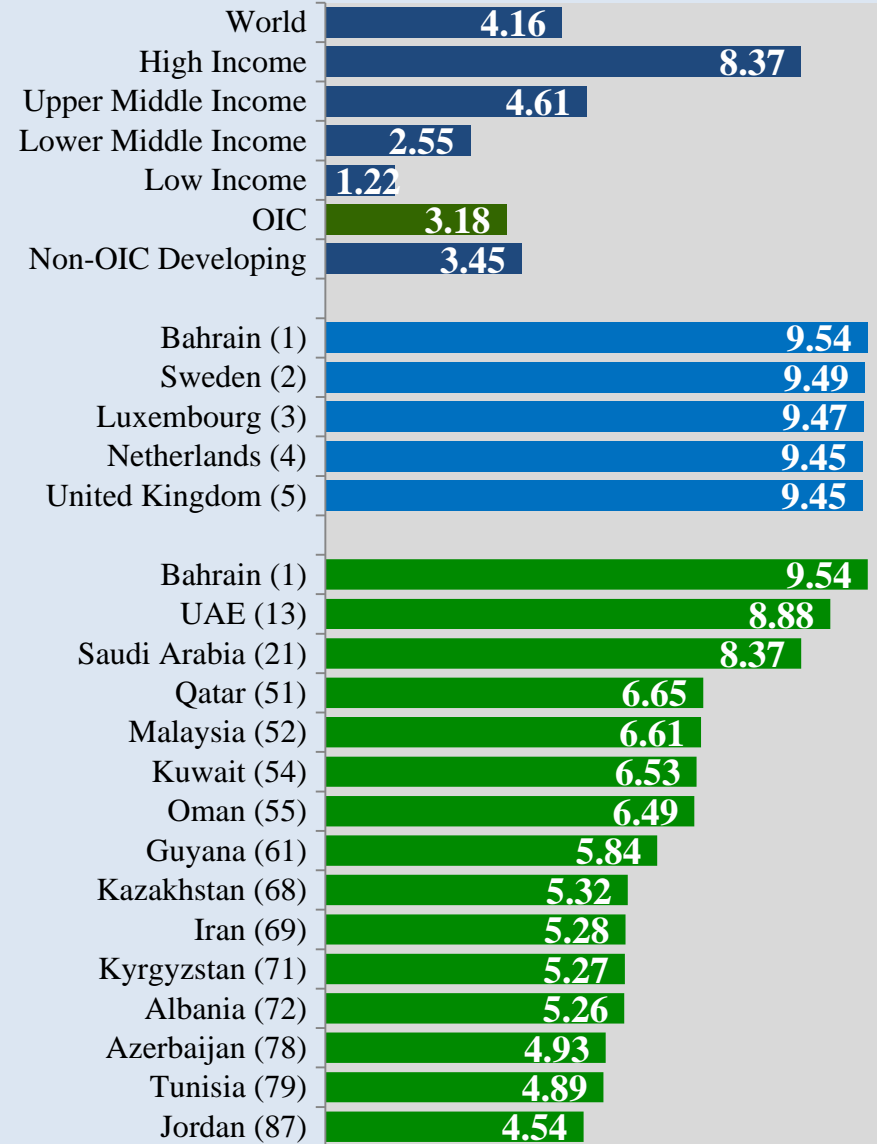


SCIENTIFIC DEVELOPMENTS

Innovation Index, 2012

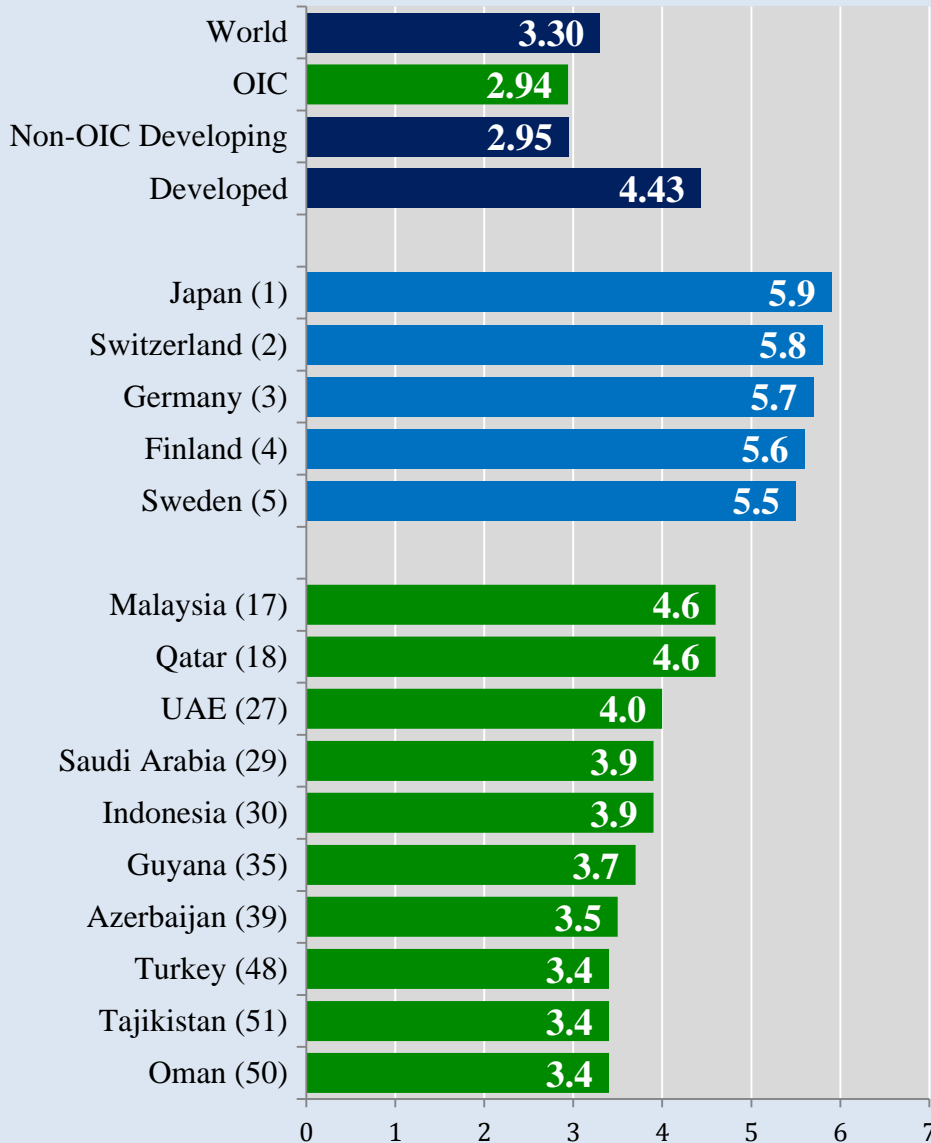


ICT Index, 2012

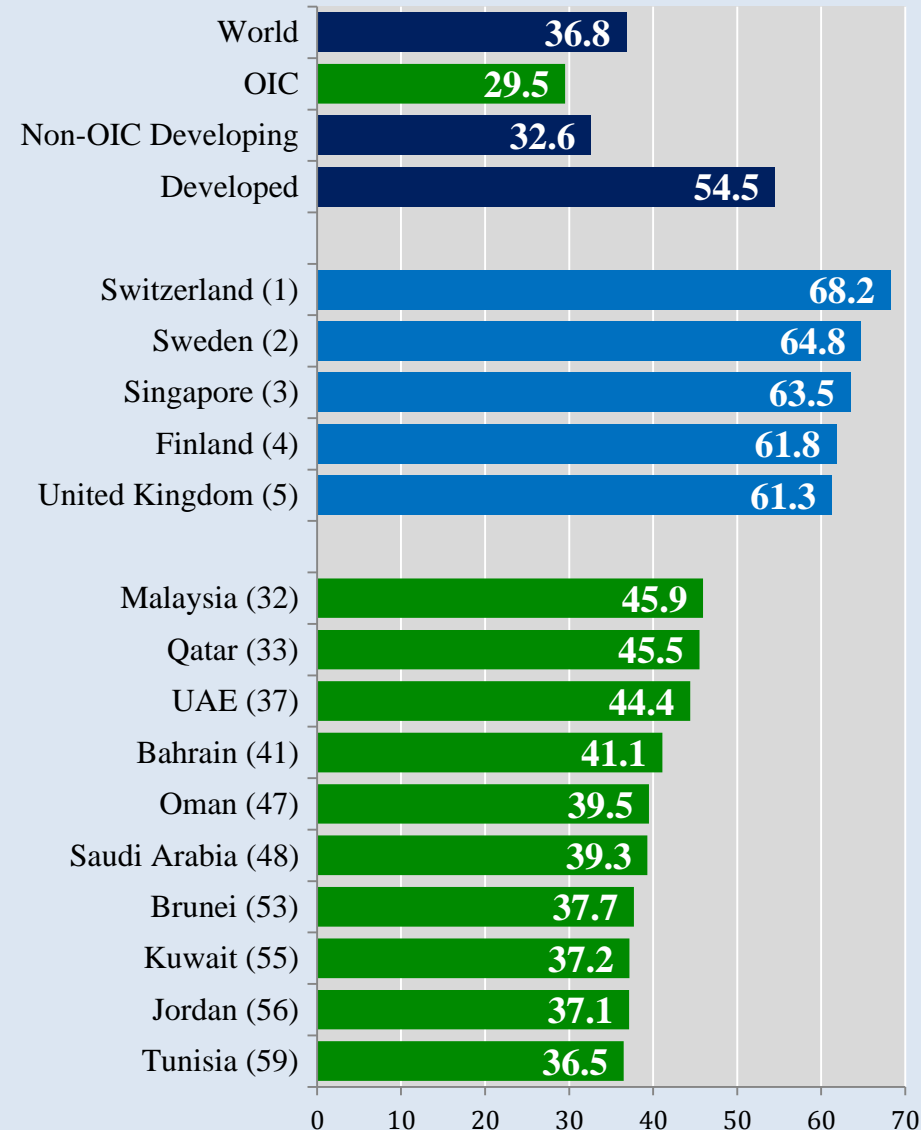


SCIENTIFIC DEVELOPMENTS

Capacity for Innovation, 2012



Global Innovation Index, 2012



ATLAS OF ISLAMIC WORLD SCIENCE AND INNOVATION (AIWSI)

BACKGROUND

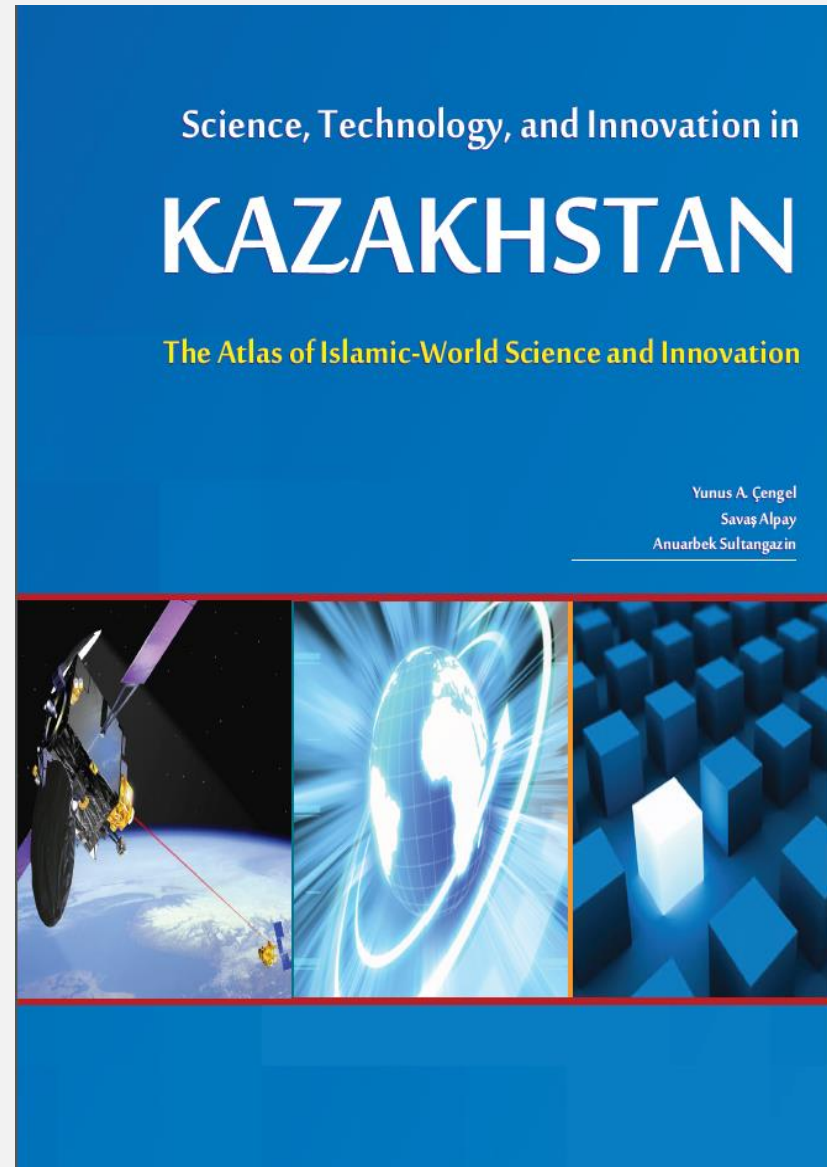
- ❖ **launched to implement the recommendations of**
 - OIC Vision 1441 H for S&T adopted by the 10th OIC Summit Conference held in Putrajaya in October 2003
 - OIC Ten-Year Programme of Action adopted by the 3rd OIC Extraordinary Summit Conference held in Makkah-al-Mukarramah in December 2005
- ❖ **endorsed by the 11th OIC Summit Conference held in Dakar in March 2008**
- ❖ **officially started with the Kick-off Meeting in Istanbul in July 2008**

ATLAS PROJECT

- ❖ an international project with many national and international partners
- ❖ aims to map and evaluate the changing landscape of Science, Technology and Innovation (STI) across the selected OIC member countries reflecting diversity of the OIC membership in regional, economic and scientific terms.
- ❖ Case countries: **Egypt, Indonesia, Jordan, Kazakhstan and Malaysia**
- ❖ Co-organizers: SESRIC, the British Council

ATLAS PROJECT

- ❖ prepared by SESRIC in collaboration with the Ministry of Industry and New Technologies of the Republic of Kazakhstan and National Agency for Technological Development JSC (NATD).
- ❖ “Science, Technology and Innovation in Kazakhstan” Report was launched on 25 May 2013 in Astana, Kazakhstan during the 6th Astana Economic Forum.
- ❖ attended by international partners, academicians, high-level government officials and business leaders and provided a platform to assess and discuss the recommendations and findings of the Report.



ATLAS PROJECT

KAZAKHSTAN

- ❖ It is important not only to finalize reports but also to implement the findings and recommendations of such reports, especially through international cooperation and collaboration with OIC Member Countries.
- ❖ To make a formal commitment of cooperation in STI: MOU signed between SESRIC & NATD during the Kazakh-Turkish Business Forum held on 12 October 2012 in Istanbul, Turkey.
- ❖ SESRIC always ready to take necessary measures in support of the implementation of the outcomes of the finalized reports.

DATABASES and MODULES

BASEIND (Basic Social and Economic INDicators)

- ❖ the most comprehensive database for the OIC Member Countries: <http://www.sesric.org/baseind.php>
- ❖ available for researchers all over the world for their research.
- ❖ 266 socio-economic variables under 18 categories for the 57 OIC member countries dating back to 1970
- ❖ regularly updated and enriched
- ❖ Education category of BASEIND
 - 33 indicators ; 44% fullness
 - Need for statistical capacity building.



OIC-VET

The Vocational Education and Training Programme for the OIC Member Countries

- ❖ a programme originally designed and developed by SESRIC to improve the quality of vocational education and training in the public and private sectors
- ❖ covers the training areas included in the national training programmes of the OIC Member Countries by introducing a transnational perspective in conformity with national priorities

<http://www.oicvet.org>

OIC-VET

GOALS

- ❖ to develop the competencies and skills of the people according to the needs and priorities of labour markets through intra-OIC partnerships at institutional level
- ❖ to contribute to the development and competitiveness of the economies of OIC
- ❖ to facilitate the sharing of knowledge between OIC Member Countries.
- ❖ to raise the accessibility of the organizations involved in VET through building intra-OIC partnerships, exchanging best practices, increasing the expertise of their staff

CAPACITY BUILDING

Technical and Vocational Education and Training

```
graph LR; A[Education] --> B[Technical Training]; B --> C[Labour Market]; C --> D[Workplace & Lifelong Learning]; D --> E[Productivity & Growth]
```

Education

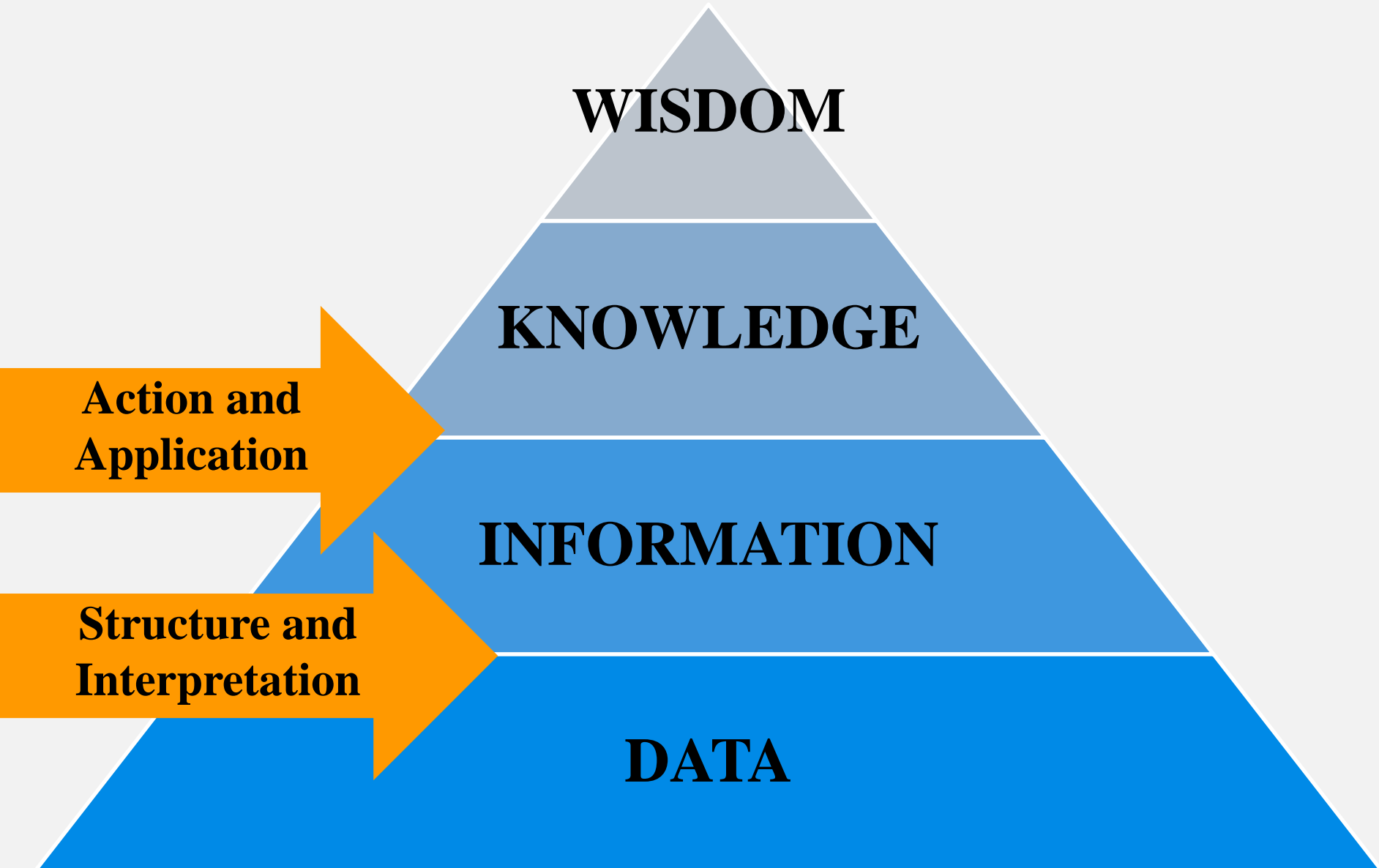
**Technical
Training**

**Labour
Market**

**Workplace &
Lifelong Learning**

**Productivity &
Growth**

KEY PERFORMANCE INDICATORS



UNIVERSITY RANKING PROJECT

BACKGROUND

- ❖ **SESERIC was a member of the Core Group, responsible for coordinating and implementing the activities of project of Ranking the Universities of OIC Member Countries.**
- ❖ **established on November 2006 at the sideline of the Third Islamic Conference of Ministers on Higher Education and Scientific Research held in Kuwait.**
- ❖ **OIC, ISESCO, IDB, COMSTECH had been also members of the Core Group**

AIMS OF THE PROJECT

- ❖ **Assessing OIC universities among themselves;**
- ❖ **Assessing the gap between OIC universities and world-class universities;**
- ❖ **Increasing competitiveness among OIC universities;**
- ❖ **Assessing academic excellence of each university;**
- ❖ **Helping determine best practices;**
- ❖ **Giving impetus to science and research policy in national settings;**
- ❖ **Contributing to the intensification of scientific relations and wider-reaching networking of national and international research.**

KEY PERFORMANCE INDICATORS

OBJECTIVES OF MEETING

- 1. Generate awareness of the KPI's document in Member States**
- 2. Enhance the standards and quality of higher education in Member States**
- 3. Assess the progress made on the follow-up and implementation of KPI's**

What can be done to achieve these Objectives?

1) AWARENESS RAISING

A sound promotion strategy



```
graph TD; A[A sound promotion strategy] --> B[A public relations plan]; A --> C[Setting incentives]; B --> D[Country and region specific items]; C --> E["*Internal"]; C --> F["*External"];
```

A public relations plan

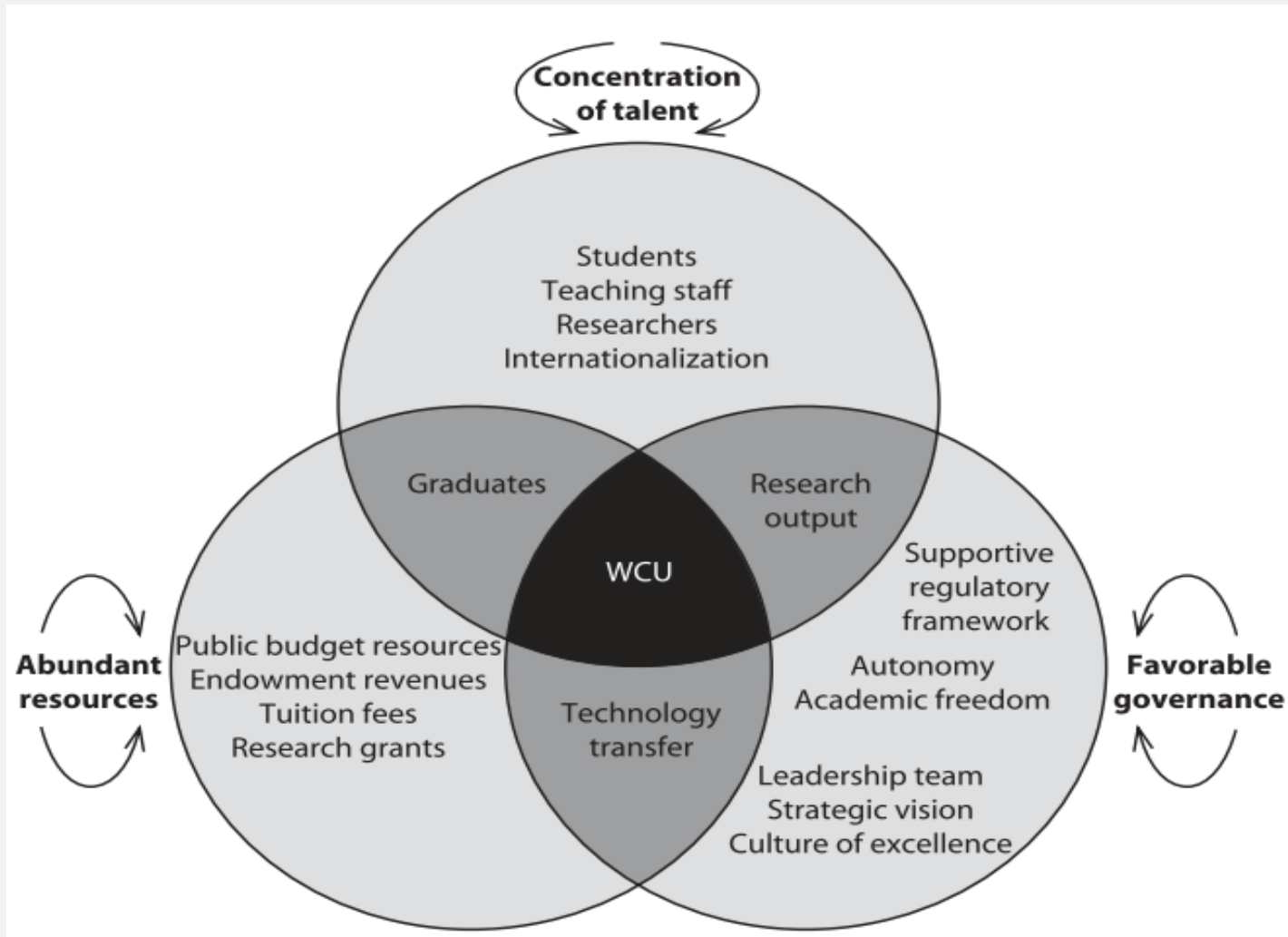
Country and region specific items

Setting incentives

***Internal**
***External**

2) ENHANCING THE STANDARDS AND QUALITY OF HIGHER EDUCATION

Characteristics of WCU



Source: Jamil Salmi, World Bank

2) ENHANCING THE STANDARDS AND QUALITY OF HIGHER EDUCATION

Establishing alliances with Higher Education Institutions of OIC MCs

non-OIC countries

OIC countries

IDB Scholarship Programme

***Regular meetings**

***Capacity building programmes (i.e. twinning programmes matching the needs and capacities of universities in OIC MCs)**

***A common online platform**

***Accreditation Programme for Universities in OIC MCs**

***OIC Educational Exchange Programme**

2) ENHANCING THE STANDARDS AND QUALITY OF HIGHER EDUCATION

E-LEARNING

Benefitting from already existing and freely available e-learning platforms such as [coursera.org](https://www.coursera.org)

UNIVERSITIES

TEACHING
STAFF

STUDENTS

2) ENHANCING THE STANDARDS AND QUALITY OF HIGHER EDUCATION

Funding universities by developing public-private partnerships at global level

GLOCALIZATION

3) ASSESSING THE PROGRESS MADE ON THE FOLLOW UP-AND IMPLEMENTATION OF KPIS

- ❖ **pilot project**
- ❖ **more concrete time plan including actions**
 - **OIC Plan of Action**
 - **Post 2015 Development Agenda of UN**
- ❖ **objective assesment**
- ❖ **target setting / benchmarking**
- ❖ **regular reporting and monitoring**
- ❖ **continuous follow-up and communication**



THANK YOU!

<http://www.sesric.org>

<https://twitter.com/sesric>