

國際標案商情的蒐集和佈局
**Collecting International
Engineering Project Information**
- where and how

(商機經營策略與實務篇)

Dr. Edward Wang
15 July 2016

推動工程產業國際化背景分析

- **工程產業的國際化政策明確**
 - 歷年政府各項國際化政策和執行方案持續推出，產、官、學、研嚴謹的探討，成果有目共睹。
- **工程教育水準達國際標準**
 - 工程教育評鑑制度受到國際認可，亞太工程師、國際工程師流動論壇正式會員，有利國際競爭。
- **工程產業發達內需市場不足**
 - 隨國家發展，培養優質人才，然內需市場總產值逐年縮小，從業廠商仍持續增加，致使造價降低，工程品質和技術未能有效的提升。
- **具國際工程經驗人才嚴重斷層**
 - 具國際工程實務經驗的工程師均已屆齡退休，營建產業缺乏整體完善的人才留用政策。

推動工程產業國際化關鍵課題

- **工程師個人層面**

- 工程人員養成教育偏學理，缺乏語文能力、法律素養、財務管理及行銷實務，國內生活環境及家庭因素缺乏赴海外工作動機。

- **工程事業機關層面**

- 工程產業界電子商務能力不足、缺乏師徒制傳承經驗、人員派駐海外薪資結構與福利不足、缺乏長期培養人才之遠見和計畫，持續依賴內需市場。

- **工程產業主管層面**

- 缺乏專責機構發展遲緩，產業主管機關缺乏橫向聯繫，工程會需積極開拓技師於國際執業的空間。

- **政府機關層面**

- 外交保護有限、援外補助未能向國內業者採購，產業仰賴國家簽署FTA，中國輸出銀行放寬融資或信用額度、提供海外工程保險、財政部減稅政策。

推動工程產業國際化發展潛力

- **工程產業素質及國家發展經驗**

- 工程人員教育水準高素質佳，國家發展過程累積精良的建設經驗，國家地理位置具戰略價值，國家民主、清廉行政效率佳。

- **民間力量及人文素養**

- 異國文化接受度高，工程師可發揮創意，研究國際工程技術缺口，提供以精緻品質、附帶社會關懷、教育訓練和創新技術移轉等手法，提高當地產業附加價值進軍世界。

- **國際工程市場商機龐大**

- 掌握國際經濟發展趨勢，企業以大型化、跨領域、跨國整合，提供全方位及統包服務。有效利用有限資源，結合資金參與他國基礎建設。

推動工程產業國際化具體目標

- **建立工程產業海外營收超越國內市場營收**
 - 透過國家工程產業主管機關單一化，改善工程產業開發海外市場障礙，落實獎勵和輔導制度。
- **樹立「台灣製造」的國際工程品牌形象**
 - 促進工程產業與異業結盟整廠輸出，鼓勵上、下游產業結合，以聯盟方式打響台灣的品牌。
- **鼓勵工程產業參與國際指標性的開發計畫**
 - 凝聚各部會團結共識，有效引進民間資金和效能，建立兼具營造技術與工程顧問的事業體，參與國際高能見度之計畫，提高產業價值。
- **獎勵工程技術貢獻國際社會提升國家地位**
 - 充份善用援外資金，成立政府與民間共同合作之協力組織，貢獻優技術的海外工程旗艦計畫。

推動工程產業國際化建議作為

- **整體工程產業單一主管機關**
 - 協助產業界在海外開發市場時所需的必要協助，提供駐外工程人員即時而有效的照護與救援。修改勞基法增訂海外津貼，不計入工資等規定。
- **落實獎勵制度增加海外工程旗艦計畫**
 - 獎勵產業尋求學術界合作，結合國家對產業的紓困或補助方案，金質獎增設優質技術和管理，旗艦型海外補助計畫，宣揚最佳工程實務專案。
- **成立台灣政府與民間合資之海外控股公司**
 - 仿照經濟部國貿局旗下設立的「外貿協會」，採半官方色彩的民營企業，由政府來主導結合各駐外經貿、商務、金融、外交等單位資源，共同拓展海外業務。

Differentiators

- Infrastructural Development Experience
- Taiwan Higher Education System (Manpower)
- Past Experience on Multi-hazard Disasters
- Advantageous Location and Raising China
- Soft Skills
- World Perspective (after Japanese Disaster)
- Tolerance and Acceptance of Cultural Differences
- Ethics and Diligent Working Attitude
- Freedom and Democracies

Challenges

- Lack of Diplomatic Angle
- Weak Communication Skill
- Engineering Tradition and Mentality
- Lack of Track Records
- Conservatism
- Severe Local Competition
- Insufficient on Legal and Financial Training
- Long Term Investment
- Lack of teamwork experience
- Incentives, motivation

Trends

- Alliance (同業結盟)
- International Partnership (跨國結盟)
- Multi-disciplinary integration (異業結盟)
- Research and Development (專利布局)
- Sustainability and Environmental Concerns (趨勢)
- Green Energy
- Design/Build
- Capital Investment, BOT
- Public - Private – Partnership, PPP

Strategies

- Creativity
- Technology Transfer, IT and services (台灣牌)
- added value in culture, education, and humanity (關懷，創造就業機會)
- Planning and one-stop solution (upstream and downstream integration) (整廠輸出)
- Branding (形象塑造)
- Long term Partnering with locals and developers, investors (深根當地)
- Quality and culture (品質取勝)

國際援助和競爭-世界銀行(WD)

http://www.worldbank.org/en/country

English Español Français العربية Русский 中文

THE WORLD BANK
Working for a World Free of Poverty

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- Middle East and North Africa
- South Asia

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Country Group

ALL A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Windows taskbar: 1:22 PM 15/8/2013

國際援助和競爭—歐洲復興銀行(EBRD)

Screenshot of the European Bank for Reconstruction and Development (EBRD) website.

Website Header:

- Logo: European Bank for Reconstruction and Development
- Navigation: HOME, ABOUT US, NEWS AND EVENTS, WORKING WITH US, RESEARCH AND PUBLICATIONS, PROJECTS, COUNTRIES, SECTORS
- Language: ENGLISH, Русский, Français, Deutsch
- Search: Search EBRD
- Alerts, Contact, News Feeds

Main Content Area:

How important are non-tariff barriers?

A new EBRD [Working Paper](#) examines the effects of infrastructure and quality of institutions on trade flows and suggests that potential gains from improvements in infrastructure far exceed the effects of lowering tariff barriers.

The [Working Paper series](#) is produced by EBRD economists to stimulate debate on the economic transformation of central and eastern Europe and Central Asia.

What we do

The European Bank for Reconstruction and Development fosters transition to market economies in countries from central and eastern Europe to central Asia and the southern and eastern Mediterranean.

How you can work with us

- [Project finance](#)
- [Procurement notices](#)
- [Career opportunities](#)
- [Business advice](#)
- [Capital Markets](#)
- [Trade finance](#)

Understanding Banks

The EBRD is hosting a conference on 'Understanding Banks in Emerging Markets' on 5-6 September. Registration is free.

Latest news

- EBRD supports Kazakh beverage and food producer RG Brands
- EBRD invests in Turkey's first infrastructure bond
- Bureks go west: Jami expands internationally

Windows taskbar at the bottom shows the date 15/8/2013 and time 1:13 PM.

國際援助和競爭—伊斯蘭開發銀行(IDB)

Internet Explorer browser window showing the Islamic Development Bank (IDB) website.

Address bar: <http://www.isdb.org/irj/portal/anonymous>

Language: عربي | English

Navigation links: Glossary | Links | Contact Us | FAQ | Sitemap

Search bar: Search

Advanced Search

Islamic Development Bank
Together We Build A Better Future

Home | About IDB | Projects | Scholarship & Assistance | Cooperation | Opportunities | Topics | Publications | News & Events

IDB Group Annual Meeting
Dushanbe, Tajikistan
8-12 Rajab 1434H
(18 - 22 May 2013)

Links

- IDB 1440H (2020) Vision
- IDB Prize for Women's Contribution to Development
- IDB Prizes for Science and Technology 1435H (2014G)
- IDB Prize in Islamic Economics and Islamic Banking
- Science Development Network
- Saudi Project for the Utilization of Hajj Meat
- IDB Global Financial Crisis Forum

Resources For

- Capital Markets
- Careers
- Community
- Media

News

- » Islamic Development Bank and Earth Institute Partner to Meet Millennium Development Goals in Rural Africa
- » Islamic Development Bank Group Makes First Disbursement to Support Polio Eradication Program in Pakistan
- » Nigerian Vice President Commends IDB's Contribution to the Development of Nigeria
- » IDB Signs US \$23.7 Million Agreement for Agricultural Project in Mali
- » IDB Group to Cooperate with Dubai on Its Islamic Economy Initiative

Speeches & Videos

- » Speech of the President, IDB, at the Brunei Islamic Investment Summit 2013 (BIIS 2013), Brunei, June 18, 2013
- » Speech of the President, IDB, at the Inaugural Session of the VI Astana Economic Forum and World Anti-Crisis Conference, Astana, May 23, 2013
- » Keynote Speech of the Chairman, IDB Group, on the Occasion of Opening Ceremony of the 10th IFSB Summit, 16 May 2013 □ Kuala Lumpur
- » Keynote Speech of the President, IDB, at the International Conference on "Modern housing construction as a driving force of comprehensive development and transformation of rural areas, enhancing the living standards of population", Uzbekistan, 17 April 2013

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In Focus

- Malaysia - Member Country Partnership Strategy

Capital Markets Investor Information

IDB GROUP

- ICD** Islamic Corporation for the Development of the Private Sector (ICD)
- icic** Islamic Corporation for the Insurance of Investment & Export Credit (ICIEC)
- IRTI** Islamic Research and Training Institute (IRTI)
- itfc** International Islamic Trade Finance Corporation (ITFC)

Windows taskbar: 1:30 PM 15/8/2013

國際援助和競爭—日本國際合作處(JICA)

Screenshot of the JICA (Japan International Cooperation Agency) website in English.

Browser Address Bar: <http://www.jica.go.jp/english/>

Language Selection: 日本語 | English | Français | Español

Navigation Links: Site Map | FAQ | Contact Us | Low Bandwidth

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Focus on Higher Education

Higher education is a key part of JICA's mission of Inclusive and Dynamic Development, which encourages people to recognize the development issues they face and participate in addressing them.

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System tray icons: Windows, Internet Explorer, VLC, Firefox, Skype, Photoshop, and system clock: 12:38 PM 15/8/2013

國際援助和競爭—亞洲開發銀行(ADB)

ADB Asian Development Bank
FIGHTING POVERTY IN ASIA AND THE PACIFIC

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Kazakhstan

Contacts

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Kazakhstan Resident Mission	ПОСТОЯННОЕ ПРЕДСТАВИТЕЛЬСТВО АБР В КАЗАХСТАНЕ
Astana Office 12 Samal Microdistrict Astana Tower Business Center 20th Floor Astana 010000 Kazakhstan Tel: +7 717 232 5053/5054 Fax: +7 717 232 8343 Email contact form Website: www.adb.org/KARM ADB Local: 5506 Map	ОФИС В АСТАНЕ микрорайон Самал 12 Бизнесцентр "Астана Тауэр" 20 этаж г. Астана 010000 Казахстан Тел.: +7 717 232 5053/5054 Факс: +7 717 232 8343 Email contact form Website: www.adb.org/KARM ADB Local: 5506 Map
Almaty Office 20A Kazybek Bi Street 2nd Floor, Arai Building 050010 Almaty, Kazakhstan	ОФИС В АЛМАТЫ ул. Казыбек Би 20А, зд. Арай, 2 этаж, 050010 Алматы, Казахстан

NAVIGATION

- Main
- Strategy
- Economy
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- Results
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- Opportunities
- Publications
- Translations in Kazakh (Қазақ)
- News
- Speeches

STRATEGY2020
The Long-Term Strategic Framework of the Asian Development Bank 2008-2020
Asian Development Bank

12:48 PM 15/8/2013

國際援助和競爭— 亞投行AIIB

AIIB will focus on the development of infrastructure and other productive sectors in Asia,

- energy and power
- transportation and telecommunication
- rural infrastructure
- agriculture development
- urban development
- logistics

Chief Negotiators' Meetings (CNM)

total 35, come from 11 countries, including secondees from 7 PFM's (Prospective Founding Members)



Domestic Resources

- Asian Development Bank (ADB), World Bank (WB), European Bank for Reconstruction and Development (EBRD)
- Government Officials
 - Ministry of Foreign Affairs
 - Overseas Compatriot Affairs Commission
 - Taiwan External Trade Development Council vs. Chinese International Economic Cooperation Association
- Taiwanese Overseas Business Entity, Chamber of Commerce
- Local Agencies, brokers and Website Information
- NGO (Professional Societies, Education Programs)
- International Students & Universities
- Local business entities & International Networks

Opportunities and Threats



Opportunities and Threats

International Organizations (1 / 4)

African Development Bank ADB

Asia Pacific Energy Research Centre APERC

Asian Development Bank ADB

Asia-Pacific Economic Cooperation APEC

Association of Southeast Asian Nations ASEAN

Bank of International Settlements

Central Bank of Central African States BEAC

Central Bank of West African States BCEAO

Eastern Caribbean Central Bank ECCB

Economic and Social Commission for Asia and the Pacific UN-ESCAP

Economic and Social Commission for Western Asia UN-ESCWA

Opportunities and Threats

International Organizations (2/4)

Economic Commission for Africa UNECA

Economic Commission for Europe UNECE

Economic Commission for Latin America and the Caribbean
ECLAC

European Central Bank ECB

European Commission

Food and Agriculture Organisation FAO

Inter American Development Bank IADB

International Civil Aviation Organisation ICAO

International Energy Agency IEA

International Labour organization ILO

International Monetary Fund IMF

Opportunities and Threats

International Organizations (3/4)

International Energy Agency IEA

International Labour organization ILO

International Monetary Fund IMF

International Telecommunication Union ITU

International Trade Centre ITC

International Union Railway UIC

Interstate Statistical Committee of the Commonwealth of
Independent States CIS

Latin American Energy Organisation OLADE

Ministry of Finance of Andorra

Organisation for Economic Co-operation and Development OECD

Organization of American States OAS

Opportunities and Threats

International Organizations (4/4)

Organization of Petroleum Exporting Countries OPEC

Organization of the Black Sea Economic Cooperation BSEC

Secretariat of the Pacific Community SPC

The Statistical Office of the European Communities EUROSTAT

The World Bank

United Nations Conference on Trade and Development UNCTAD

United Nations Development Programme UNDP

United Nations Educational Scientific and Cultural Organization
UNESCO

United Nations High Commissioner for Refugees UNHCR

United Nations Industrial Development Organization UNIDO

United Nations Statistics Division UNSD

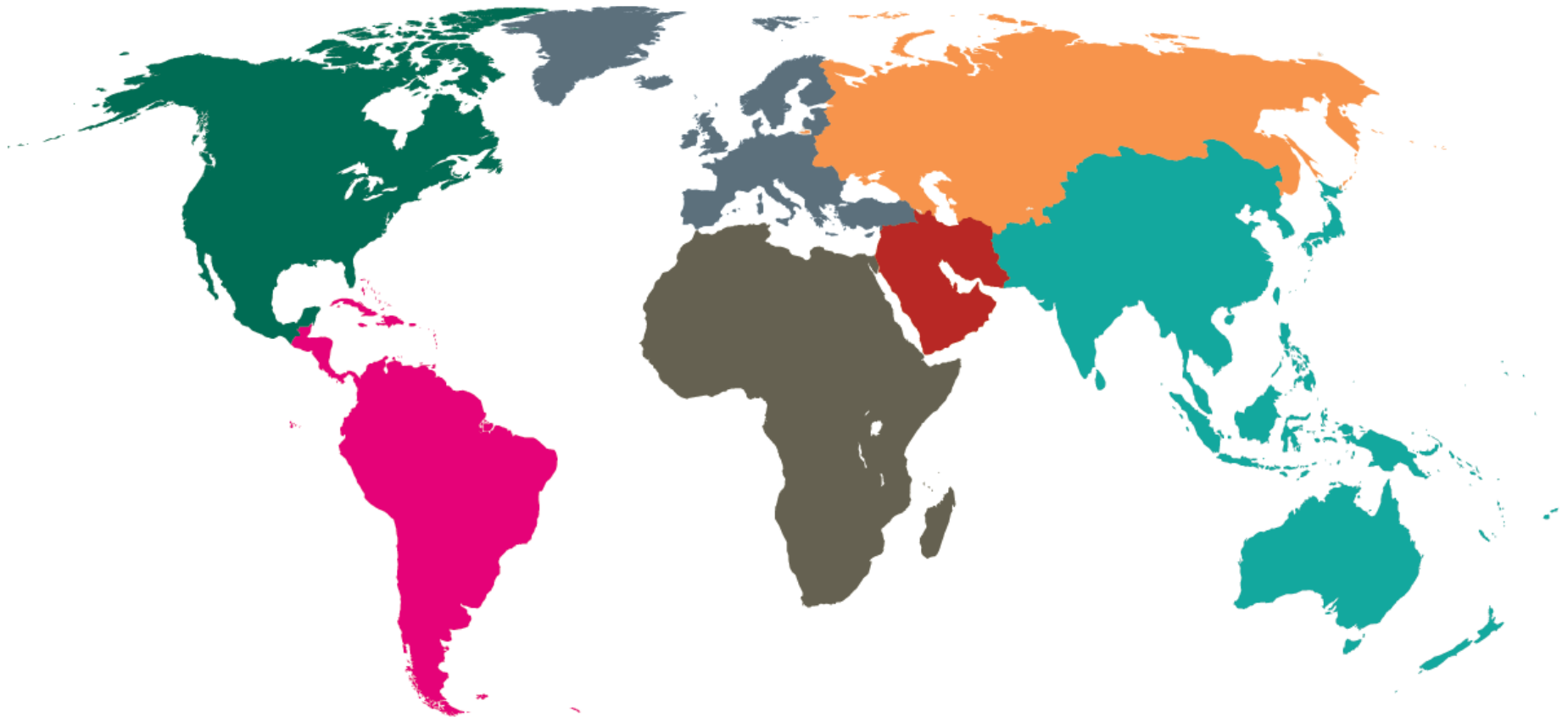
World Customs Organization WCO

World Health Organization WHO

World Tourism Organization WTO

World Trade Organization WTO 2002.01.01

Composition of geographical regions



- North America
- South/Central America
- Europe
- Commonwealth of Independent States
- Africa
- Middle East
- Asia

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WTO agrees membership terms for Yemen, paving way for formal decision in Bali

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Azevêdo sends letter asking ministers for "personal, active engagement" ahead of Bali

Panels established at the request of Panama, Honduras, Mexico and Canada

WTO agrees membership terms for Yemen, paving way for formal decision in Bali

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Trade negotiations



Implementation and monitoring



Dispute settlement



Building trade capacity



From the Director-General

Public Forum 2013, 1-3 October

"Expanding Trade through Innovation and the Digital Economy" (16/09/2013)



[> Watch the video \(1m 27s\)](#) [> More videos](#)



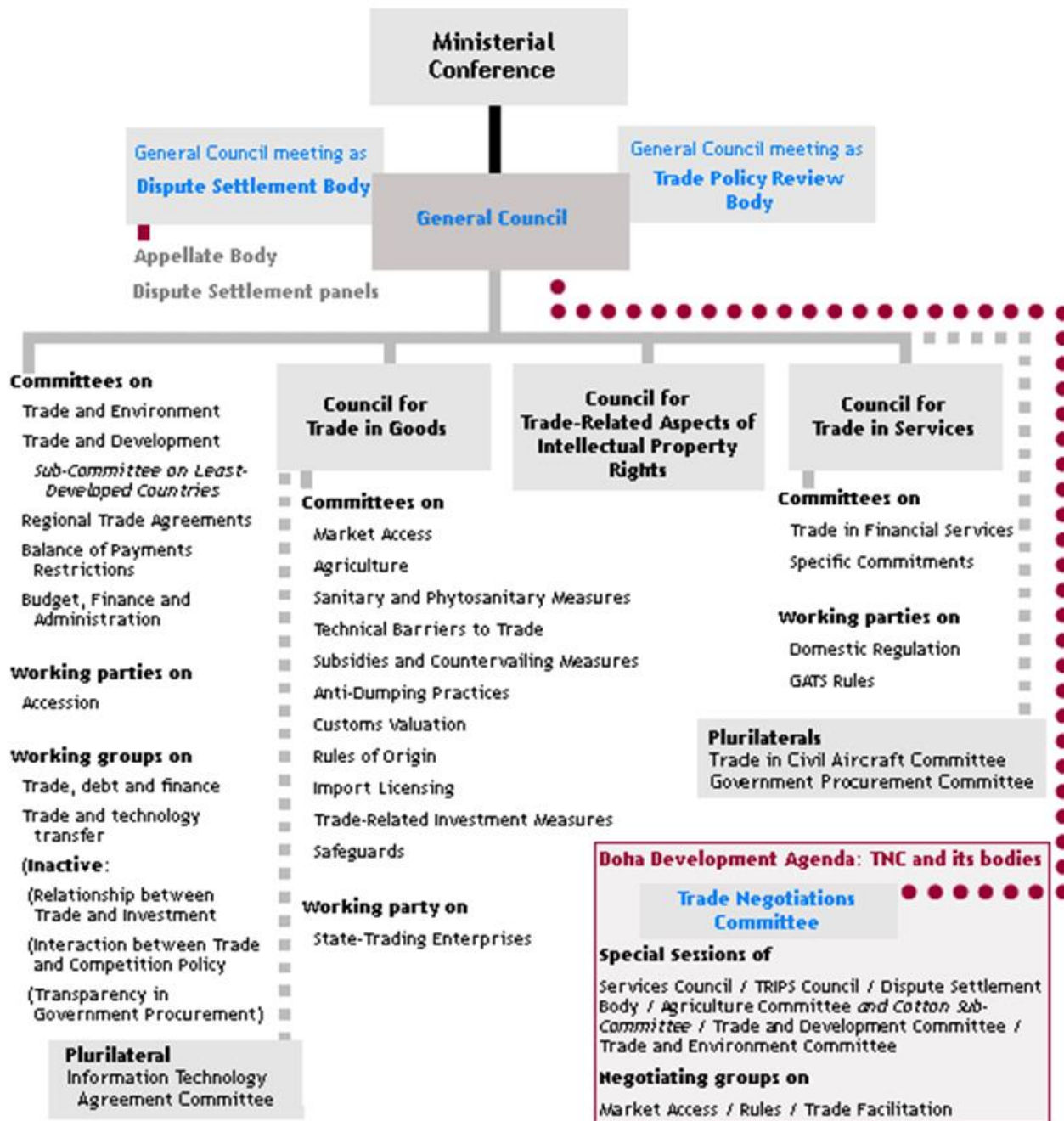
[> Programme](#)
[> Theme](#)
[> Full details](#)

Latest updates

- [> Information Centre: Updated 27 September](#)
- [> Updated: WTO Analytical Index and Supplement \(1995-2013\)](#)
- [> New publication: World Trade Report 2013: Factors shaping the future of world trade](#)
- [> New publication: The History and Future of the World Trade Organization](#)
- [> New publication: WTO Annual Report 2013](#)
- [> New working paper: Opening a Pandora's Box: Modeling World Trade Patterns at the 2035 Horizon](#)
- [> Made in the world: WTO/OECD trade data in value-added terms](#)







Panels established at the request of Panama, Honduras and Canada

What is the WTO?

Who we are
What we do
What we stand for
Mission statement

Introductory brochures

WTO in brief
Understanding the WTO
10 things the WTO can do

Flagship publications

Annual Report
World Trade Report
[International Trade Statistics](#)

Decision-making

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Millennium Development Goals (MDGs)

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STATISTICS

International trade and market access data

The WTO's databases and publications provide extensive access to trade and tariff data.

> [Where to find WTO trade, tariff and non-tariff statistics](#)

> [Feedback on this page](#)

Please contact

statistics@wto.org

> See also:

[Economic research and analysis](#)

**TRADE IN MERCHANDISE
AND SERVICES**

TARIFFS

**NON-TARIFF
MEASURES**



"Made In the World"



Measuring trade in value
added

DATABASES, PUBLICATIONS

REPORTS,

CAPACITY BUILDING,

New Interactive Tool

International Trade and
Market Access Data



Latest videos

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International Trade and Market Access Data

About this page

TRADE

TRENDS

TARIFFS

MiWi

More Data

Type of trade

Merchandise trade

Trade in Commercial Services

Merchandise trade

Commodity/Sector

Total merchandise

Trade flow

Exports

Year

2012





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International Trade and Market Access Data

About this page

TRADE

TRENDS

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MiWi

More Data

Type of trade

Trade in Commercial Services

Commodity/Sector

Total Services

Total Services

Trade In Commercial Services

Audiovisual services

Communications services

Computer and information services

Computer services

Construction

Financial services

Insurance services

Other business services

Other commercial services

Personal, cultural and recreational services

Royalties and licence fees

Telecommunications services

Transportation services

Travel

Trade flow

Exports

Year

2012

United States



International Trade and Market Access Data

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More Data

Type of trade	Commodity/Sector	Trade flow	Year
Trade in Commercial Services	Construction	Exports	2012



International Trade and Market Access Data

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TRADE

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Type of trade

Commodity/Sector

Trade flow

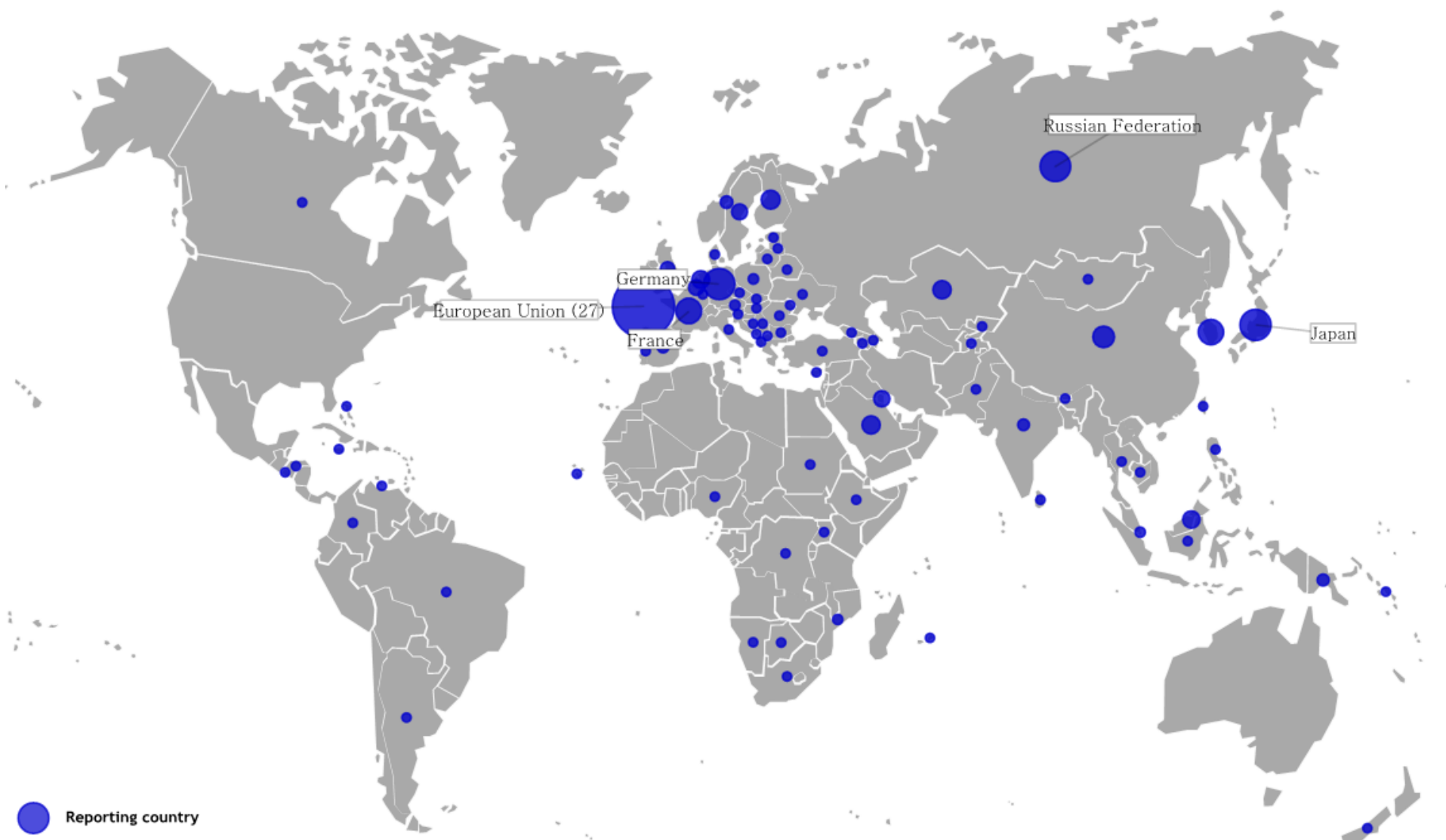
Year

Trade in Commercial Services

Construction

Imports

2012



Reporting country

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☒ Economic group
 ☐ Region

World

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Search:

World
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 Central American Common Market (CACM)
 Central European Free Trade Agreement (CEFTA)
 Common Market for Eastern and Southern Africa (COMESA)
 Economic Community of West African States (ECOWAS)
 European Free Trade Association (EFTA)
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 Least developed countries (LDC)
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 South Asian Preferential Trading Arrangement (SAPTA)
 Southern African Development Community (SADC)
 Southern Common Market (MERCOSUR)
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Economy

European Union (27)

Korea, Republic of

China

Japan

Germany

France

Spain

Russian Federation

Finland

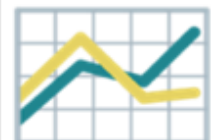
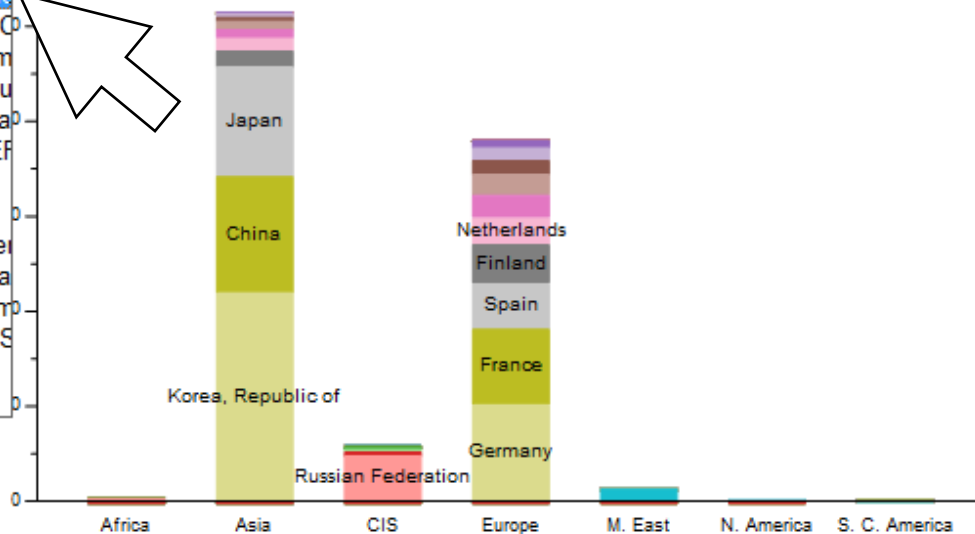
Netherlands

4,750.8

4,086.3

2,797.2

Leading reporters



COMPOSITION OF GEOGRAPHICAL
AND ECONOMIC GROUPINGS

DEFINITIONS AND METHODOLOGY

SPECIFIC NOTES FOR SELECTED
ECONOMIES

STATISTICAL SOURCES

ABBREVIATIONS AND SYMBOLS

Economy: World

Type of trade: Trade in Commercial Services

Value: US\$ 113,000 million

Commodity/Sector: Construction

Trade flow: Exports

Year: 2012

Trade with: World

Which country in ASEAN had the largest Construction Market in 2012



Reporting country

Disclaimer

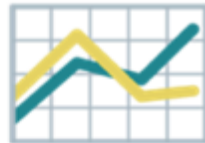
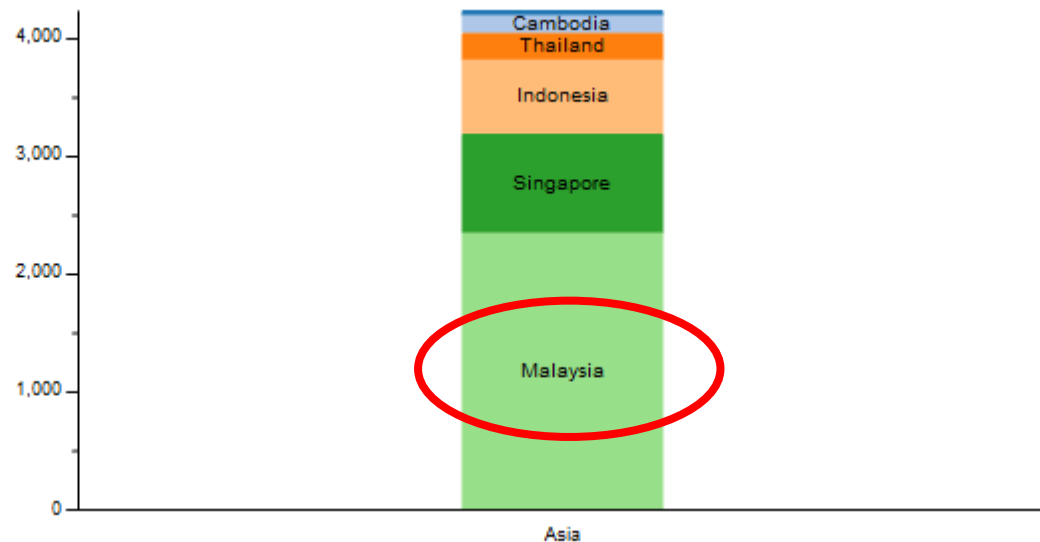
☒ Economic group ☐ Region

Economic group: Association of Southeast Asian Nations (ASEAN) Reporter: All Countries Partner: World

Search:

Economy	Million US Dollars
Malaysia	2,347.9
Singapore	836.3
Indonesia	631.8
Thailand	224.4
Cambodia	151.1
Philippines	42.0

Leading reporters



COMPOSITION OF GEOGRAPHICAL
AND ECONOMIC GROUPINGS

DEFINITIONS AND METHODOLOGY

SPECIFIC NOTES FOR SELECTED
ECONOMIES

STATISTICAL SOURCES

ABBREVIATIONS AND SYMBOLS

Economy: Association of Southeast Asian Nations (ASEAN)

Type of trade: Trade in Commercial Services
Commodity/Sector: Construction
Trade flow: Imports
Year: 2012
Trade with: World

Which country in APEC contributes the largest Construction Value

Reporting country

Disclaimer

☒ Economic group
☐ Region

Asia-Pacific Economic Cooperation

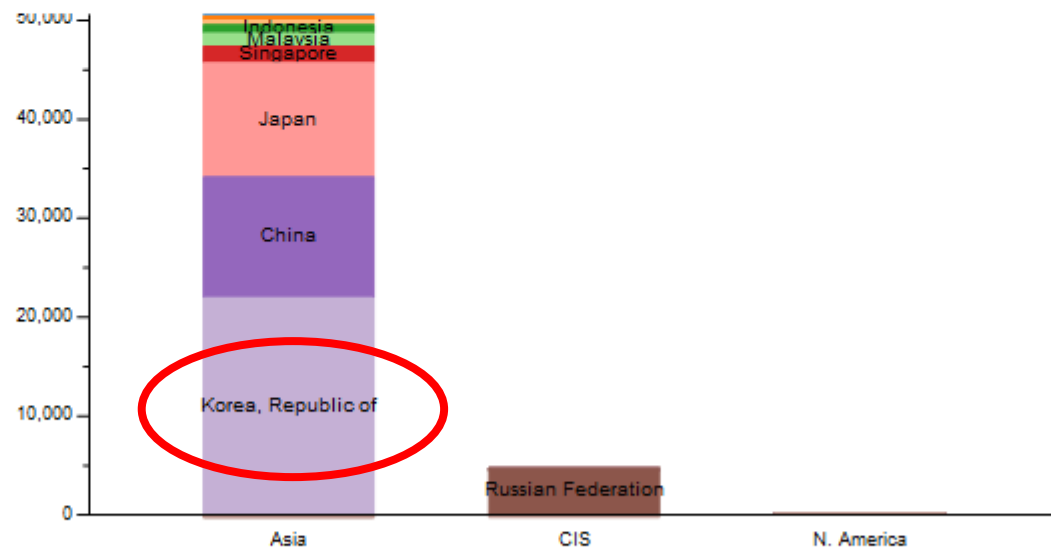
Reporter All Countries

Partner World

Search:

Economy	Million US Dollars
Korea, Republic of	21,904.9
China	12,245.9
Japan	11,551.6
Russian Federation	4,750.8
Singapore	1,680.6
Malaysia	1,311.3
Indonesia	862.9
Thailand	440.1
Taipei, Chinese	418.0
Canada	223.2

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COMPOSITION OF GEOGRAPHICAL
AND ECONOMIC GROUPINGS

DEFINITIONS AND METHODOLOGY

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ABBREVIATIONS AND SYMBOLS

Economy: Asia-Pacific Economic Cooperation (APEC)

Type of trade: Trade in Commercial Services

Value: US\$ 59,100 million

APEC 研究單位

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» 最新景氣調查月報



觀察近期國際經濟情勢，由於美國量化寬鬆政策暫不退場，對全球金融市場造成的波動可望降低，而主要經濟體中，美、日景氣持續復甦，中國經濟也觸底回穩，使得我國出口及外銷訂單等數據也有較佳表現。不過，歐洲經濟尚未明顯好轉..

[完整景氣預測內容](#)

» 活動訊息

- 2013「台灣是一個充滿投資機會的大地」系列研討會(二) [2013/10/22]
- 「農業基因體科技發展趨勢」研討會 [2013/10/29]
- 2014年經濟景氣趨勢研討會 [2013/11/5]
- 2013促進中小企業國際化經驗交流分享會 [2013/11/6]
- 會議論文徵稿---兩岸能源合作論壇：制度與前瞻 [2013/11/26]

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» 訊息公告

「101年全國科技動能調查」要覽暨摺頁圖印刷第一次公開招標 (點選後下載 zip檔)

2014 點我報名!!
經濟景氣趨勢研討會

製造業
個別產業景氣信號

» 新書通告

- 台灣經濟研究月刊 (第36卷第10期)
- 2014 台灣各產業景氣趨勢調查報告 (預購特惠中，請見備註欄)
- 從誘因機制觀點尋求油價最適調整路徑研究
- 走向低碳運輸—台灣綠色燃料與載具發展前景 (超值優惠中~詳見備註欄)
- 臺北產經 Taipei Economic Quarterly (非賣品)

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» 問卷調查

- 台灣地區企業研發與創新趨勢調查

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- 2013年ABAC第4次大會暨APEC企業領袖高峰會 (2013/10/2)
- 2013 APEC年度記者會 媒體露出整理 (2013/10/1)
- 2013年「APEC強化公私部門夥

APEC相關新聞

- Kolinlamil已為APEC高峰會做好準備 (2013/9/17)
- 印尼棕櫚油問題將於本次APEC會議中討論 (2013/9/13)
- 婦女與經濟論壇旨在賦予婦女權力經濟 (2013/9/8)
- 印尼軍隊已對APEC高峰會做好維安準備 (2013/9/6)
- 眾議院代表第八委員會支持婦女企業家發展 (2013/9/6)
- 中小企業婦女驅動亞太經濟 (2013/9/6)
- 女企業家須善用資訊技術的優勢 (2013/9/6)
- 印尼歡迎美國支持中小企業商業倫理發展 (2013/9/3)

APEC簡訊電子報



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財經策略中心 台灣與東協經濟關係之展望」國際研討會

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- 李淳：《財經放大鏡》陸加速國際接軌 台灣皮要繃緊
- 王健全：給希望 拉民調 搶救閩族群
- 王健全：《專家傳真》面對大陸新旅遊法 我們準備好了嗎？
- 顏慧欣：《名家觀點》保護台商 別讓投保協議睡著
- 王麗容：《觀念平台》我自經區金融開放 領先上海自貿區
- 劉大年：全球快轉 我卻空轉陸拚上海自貿區 台灣忙內鬥
- 吳惠林：《專家傳真》看時局 念寇斯

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需求結構與貿易型態：林德假說 (Linder hypothesis) 於創意商品的驗證

本文利用UNCTAD (2008) 全球創意商品貿易資料，驗證Linder (1961) 假說對於創意商品 (creative goods) 國際貿易的適用性。實證估



► 本院活動

- 「邁向東協經濟共同體：第...」國際研討會
- 敬邀參加10/24「中國大陸經...」研討會
- 敬邀參加10/23「放射性廢棄...」研討會
- 中華經濟研究院第三所急徵...研究員1名
- 「TPP/RCEP 產業對話」系列...
- 2013年第4季臺灣經濟預測記...

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- 王健全：出口產業 應該「吃軟飯」
- 台GDP保二 端看美國政治轉圜
- Fed/專家：葉連出任會逐步縮小QE
- 李淳：透過外在壓力推動國內改革

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2013/10/15 09:05 亞洲

駐甘大使館辦台灣盃國慶高球賽

2013/10/15 06:00 非洲

台駐宏使館 贊助宏京自行車賽

2013/10/15 04:00 中南美

駐斯洛伐克代表處慶雙十

2013/10/15 02:20 歐洲

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2012 TaiwanICDF 國際高等人力培訓外籍生獎學金計畫聯 2012 TaiwanICDF International Higher Education Scholarship Programs



各處室計畫

國際高等人力培訓 外籍生獎學金計畫

國合會外籍生獎學金計畫於9月6日在劍潭青年活動中心辦理聯合新生訓練，另配合政府推動「協助邦交國培育醫學人才計畫」，今年度加入義守大學學士後醫學系，提升邦交國醫師人數及醫療品質...

▶ 聯合新生訓練 - 新聞稿

焦點



秘書長訊息：向上提升，讓計畫有效、創新、切合需求

當各國國際組織皆聚焦提升開發援助計畫的有效性，大刀闊斧地調整組織與改造流程，本人也.....

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單位名稱	米蘭台灣貿易中心		
聯絡人	施玉霞		
國家	義大利		
電話	39 - 02 - 20241008	傳真	39 - 02 - 20422986
電子信箱	milan@taitra.org.tw		
地址	VIA STRADIVARI, 4, 20131 MILANO-ITALY		

▲ 歐洲

單位名稱	鹿特丹台灣貿易中心		
聯絡人	樊哲寧		
國家	荷蘭		
電話	31 - 10 - 4460300	傳真	31 - 10 - 4625265
電子信箱	rotterdam@taitra.org.tw		
地址	Innsbruckweg 118, 3047 AH Rotterdam, The Netherlands		

▲ 歐洲

單位名稱	華沙台灣貿易中心		
聯絡人	李建輝		
國家	波蘭		
電話	48 - 22 - 2888200	傳真	48 - 22 - 2888202
電子信箱	warsaw@taitra.org.tw		
地址	ul. Rakowiecka 17, 01-841 Warszawa, Poland		

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2013 波札那國際貿易綜合展

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※ 關於IEET

中華工程教育學會(IEET)成立於2003年，為一非官方、非營利的社團法人。IEET是國內首家受教育部認可的專業評鑑機構，主要業務為規劃及執行符合國際標準的工程教育(EAC)、資訊教育(CAC)、技術教育(TAC)及建築教育(AAC)認證。國內已有70餘所大學校院的450個系所通過IEET認證。

透過認證機制，IEET訂定及維持國際間認可的專業核心能力及倫理規範，藉此維繫業界、政府及整體社會對於我國未來工程、資訊、技術及建築領域專業人才的信心。

為何做認證？認證對誰有利？

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- 世界一流大學多參與認證
- 畢業生學歷受認可案例
- 畢業生學歷不受認可案例



> 最新消息

- 2013-07-17 林聰明博士就任IEET第六屆理事長
- 2013-06-19 首爾捷報！IEET通過WA審查
- 2013-06-03 年度持續改進報告系統自6/3起開放線上填報
- 2013-05-21 7月4日IEET會員大會，劉兆漢院士蒞臨演講
- 2013-03-19 IEET(101)學年度認證結果公告

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- › 本學會組團赴新加坡出席... *NEW
- › 2013年度第2批中華... *NEW
- › 敬請踴躍報名參加「三地... *NEW
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- › 中國工程師學會簡報
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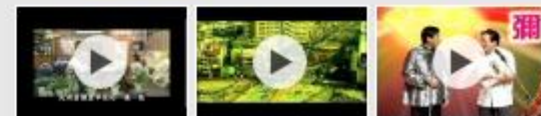
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最新消息

敬請踴躍報名參加「三地國際研討會-地下近接施工之管制及案例探討」

讚 傳送 趕快註冊來看看朋友對哪些內容按讚。

主旨：本學會中華台北亞太工程師監督委員會暨國際工程師監督委員會與馬來西亞工程師學會及香港工程師學會訂於本(102)年11月15日假台北公務人力發展中心福華國際文教會館共同舉辦「三地國際研討會」，敬請踴躍報名參加。

說明：

一、 地下鄰近施工若造成損壞或災害，將產生社會成本重大損失，並失去民眾對公共工程的信任，因此許多國家對地下近接施工之管制均已建置嚴格的禁限建管制規定。鑑於諸多亞洲國家都市開發及公共建設的蓬勃發展，本次特藉由三地國際研討會平台，就「地下近接施工之管制及案例探討」等相關議題進行討論及交流。

二、 活動報名至10月20日止，參加的亞太工程師及國際工程師核給第II類CPD積分18分，活動詳情請參閱網址：
<http://www.apecengineer.org.tw>。

三、 報名表及信用卡繳納單詳下連結，填寫後請傳真：02-2396-4260或Email: apecengineer@cie.org.tw，活動聯絡人請洽中華台北亞太工程師監督委員會鄒鳳雲組長，電話：02-2392-6325。

Resources - NGO



Chinese Taipei APEC Engineers Register

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- By-laws - Chairman, Vicechairmen, Supervisor - Members - Organization chart - APEC Engineer brief introduction slides	[2013/9/30] 第II類 CPD 積分課程：「地下近接施工之管制及案例探討國際研討會」補充說明-2013年11月15日舉辦 [2013/9/16] 第II類 CPD 積分課程：「中區學術與技術研討會」-2013年10月4日舉辦 [2013/9/12] 2013 年度第 2 批國際工程師及亞太工程師申請說明 [2013/9/2] 第II類 CPD 積分課程：「地下近接施工之管制及案例探討」三地國際研討會-2013年11月15日舉辦 - More...

Resources - NGO



中國土木水利工程學會

Chinese Institute of Civil and Hydraulic Engineering

首頁 | 廣告刊例



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中國土木水利工程學會

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最新消息

【最新】國立中央大學工學院徵求院長啟事

【最新】2014建築品質獎/2013.11.1中午截止報名

2013第21屆水利工程研討會/2013年10月25~26日/國立宜蘭大學萬斌廳/論文徵選摘要截稿日期8月12日
考選部民國100年10月12日修正「專門職業及技術人員高等考試技師考試規則」

本會會刊電子化收到意願調查

內政部修正「鋼骨鋼筋混凝土構造設計規範與解說」部分規定，自中華民國100年7月1日生效

『中國土木水利雙月刊』歡迎投稿

主題報導



友



聯

Consulting Engineers - WFEO



World Federation of Engineering Organizations
Fédération Mondiale des Organisations d'Ingénieurs

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WECDRR 2016



WECDRR2016
Lima - Peru

**WORLD ENGINEERING CONFERENCE
ON DISASTER RISK REDUCTION**

5 - 6 December

WFEO EXECUTIVE COUNCIL AND COMMITTEES MEETINGS

3 - 9 December

The world's engineering organisations

Discover...

Collaborate with...

...the world's Engineering Profession

Influencing International Institutions



**2015
TIME FOR
GLOBAL
ACTION**

WFEO COP-21 Engineering Summit Statement



World Days

ENGINEERS' DAY

EVENTS



HIGHLIGHTS



WFEO UN Relations Committee (WURC) participation in the UN Session of STI Forum, "Realizing the potential of Science, Technology, and Innovation for the SDGs"

The First annual Multi-stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals met June 6-7 at the UN HQ



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8th China Cloud Computing Conference (CCCC 2016)

NEWSLETTER

**News of engineering
from around the world**

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**WFEO President
Jorge Spitalnik**



Jorge Spitalnik's visit
to China

Consulting Engineers – FEANI

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Members



European Federation of National
Engineering Associations

MOVING OFFICES

FEANI has relocated its Headquarters to a business center near the European Institutions.

Our new address is:

FEANI Central Secretariat AISBL
c/o REGUS EU Commission
Schuman Square 6
5th floor
BE - 1040 Brussels

Our new Central Secretariat telephone number is: **+32 (0) 2 234 78 78**. Please note that our fax number has been permanently deactivated. Our other contact information remain the same. Email: secretariat.general@feani.org

Welcome to FEANI

FEANI is a federation of professional engineers that unites national engineering associations from 35 European Higher Education Area (EHEA) countries. Thus, FEANI represents the interests of over 3.5 million professional engineers in Europe. FEANI is striving for a single voice for the engineering profession in Europe and wants to affirm and develop the professional identity of engineers. Through its activities and services, especially with the attribution of the EUR ING professional title, FEANI aims to facilitate the mutual recognition of engineering qualifications in Europe and to strengthen the position, role and responsibility of engineers in society. The General Secretariat of FEANI, managing the activities of the federation, is located in Brussels since late 1997.

Latest EU News

1. [Speech by President Jean-Claude Juncker at European Business Summit \(June 2016\)](#)
2. [EUA - EU trade agreements and the recognition of professional qualifications \(June 2016\)](#)
3. [EC DG GROW - Consultation on regulated professions \(May 2016\)](#)
4. [Netherlands Presidency - All European scientific articles to be freely accessible by 2020 \(May 2016\)](#)
5. ["Reforming Regulation of Professions", speech by Commissioner Mrs Elzbieta BIENKOWSKA \(May 2016\)](#)
6. ["Speech of President B.OBAMA at Hannover Trade Fair" \(April 2016\)](#)

Consulting Engineers - FIDIC



International Federation of Consulting Engineers
The Global Voice of Consulting Engineers

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FIDIC International Infrastructure Conference

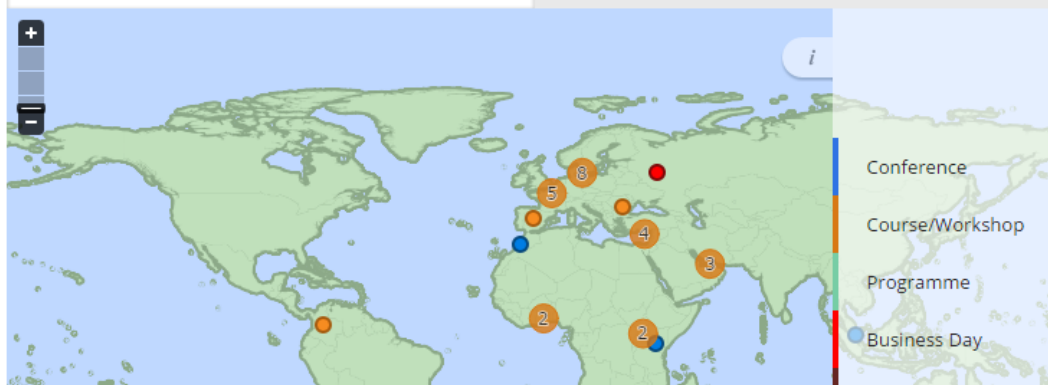
Quality, Integrity, Sustainability

Global Voice

Business Best Practice

(36) TRAINING & EVENTS

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HIGHLIGHTS

"ABC for Sustainable Cities" Launched

The City We Need 2.0

Consulting Engineers – Regional AFEO

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What is AFEO?

The ASEAN Federation of Engineering Organisations (AFEO) is a non-governmental body. Its members are the engineering institutions and organisations of ASEAN countries with the following main objectives:

- To promote goodwill and mutual understanding
- To establish and develop a ASEAN baseline standard for the engineering profession with the objective of facilitating the mobility of the engineers within the ASEAN countries.

[Find out more about our history »](#)

AFEO Member Organizations

The ASEAN Federation of Engineering Organisations (AFEO) is formed by 10 ASEAN member organisations.



[Pertubuhan Ukur Jurutera & Arkitek \(PUJA\)](#)



[Board of Engineers Cambodia \(BEC\)](#)



[Persatuan Insinyur Indonesia \(PII\)](#)



[Lao Union of Science and Engineering Associations \(LUSEA\)](#)



[The Institution of Engineers Malaysia \(IEM\)](#)



[Myanmar Engineering Society \(MES\)](#)



[The Philippine Technological Council \(PTC\)](#)



[The Institution of Engineers Singapore \(IES\)](#)



[The Engineering Institute of Thailand \(ETTI\)](#)



[Vietnam Union of Science and Technology](#)

Upcoming Events



CAFEO 2015

CAFEO 33 will be held from 23-26 November 2015 at the Hotel Equatorial, Penang, Malaysia. The theme of the Conference will be on *The Lights to Bytes : ASEAN Engineering Evolution & Future Challenges*.

[View details »](#)

Recent News

AER Commission and AFEO Mid Term meeting
3rd - 6th June 2015
In conjunction with the 3rd Engineering Summit on Engineers. Powered to

Consulting Engineers – FEIAP



FEDERATION OF ENGINEERING
INSTITUTIONS OF ASIA AND PACIFIC (FEIAP)



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*Engineering Initiatives for
Sustainable Development:
Integrating Innovation and Ethics*

2012

Venue : Hotel Taj Krishna,

[About International Conference](#)

Consulting Engineers – FEIAP



Federation of Engineering Institutions
of Asia and the Pacific (FEIAP)



Chinese Institute
of Engineers (CIE)



IEET
中華工程教育學會

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SMART TOURISM TAIWAN

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FEIAP 2015

Third Convention & 23rd GA Meeting

*CONTRIBUTIONS OF THE ENGINEERING PROFESSION TO SOCIETY AND
CIVILIZATION*

5-7 JULY, 2015, TAIPEI, TAIWAN



REGISTRATION

Consulting Engineers – REAAA



Road Engineering Association of Asia and Australasia

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MEMBERS

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JOB VACANCY IN REAAA
Chief Executive Officer
(CEO)

REAAA is the Road Engineering Association of Asia and Australasia.

The association promotes the science and practice of road engineering and related professions in the Asia Pacific region through developing professional and commercial links within and between countries in the region.

REAAA was set up in June 1973 with a permanent secretariat in Malaysia. It has more than 1,880 members in about 36 countries and holds regular events including an annual heads of road authorities (HORA) meeting, a triennial international conference, technical visits and study tours, trade exhibitions, seminars, forums and workshops.

Local REAAA Chapters have been set up in Australia, Brunei, Korea, Malaysia, New Zealand and the Philippines.

UPCOMING CONFERENCES



9 - 11 SEPTEMBER 2013
JOHOR, MALAYSIA



022586

Since 15th Nov 2008

Engineering Education – NABEEA

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NABEEA

Network Of Accreditation Bodies
For Engineering Education In Asia

official website

Home



Network Of Accreditation Bodies For Engineering Education In Asia

(NABEEA)

Construction Engineering – IFAWPCA 2014



ifawpca

International Federation of
Asian & Western Pacific Contractors' Associations

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41st IFAWPCA CONVENTION



Infrastructure for a Better Future

Infrastructure is the main pillar for economic growth and a vehicle to increase competitiveness in the international world, especially in Asia which has shown a significant surge in the last decade.

During the 41st IFAWPCA Convention in Jakarta, we will discuss various infrastructure issues, both technically and financially which will involve numerous funding option, as well as getting insight from countries with successful infrastructure

Surveying Engineering – FIG



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

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[\[YOUNG SURVEYORS NETWORK \]](#) [\[UNDER-REPRESENTED GROUPS \]](#) [\[MUTUAL RECOGNITION \]](#)
[\[PERSONALIA AND VISITS \]](#) [\[JOB SITE \]](#) [\[FIG OFFICE \]](#) [\[PARTNERS \]](#) [\[LINKS \]](#)
[\[FIG SURVEYING EDUCATION DATABASE \]](#) [\[JOINT BOARD OF GEOSPATIAL INFORMATION SOCIETIES \]](#)
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Major FIG Conferences	FIG Platinum Corporate Members	
FIG CONGRESS 2014 - 16-21 JUNE 2014  <i>Engaging the Challenges, Enhancing the Relevance</i> ■ FIG Congress Web site: www.fig.net/fig2014 ■ Exhibition possibilities ■ Call for Papers ■ Submit your abstract - abstract submission for peer review papers close 1 November 2013		
		
	FIG WORKING WEEK 2015 17-21 May 2015	

Water Resources Engineering – WWC



 Français  español



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Events

World Water Council co-organizes Water Summit with Hungary and the United Nations

More than 1200 delegates are meeting today at the Budapest Water Summit to recommend to the United Nations that water should play a central role in the post-2015 development agenda. Water's cross-cutting nature underpins all progress - not only as access to water for water's sake but as a tool to ensure health, food and energy to eradicate poverty within a growing global population.

[Read article](#)



News

WWC



WWC



WWC



Events

22
Oct
2013

The 7th IWA Specialist
Conference on Efficiency Use
and Management of Water
Paris, France
22 October 2013 to 25

Energy Engineering – WEC



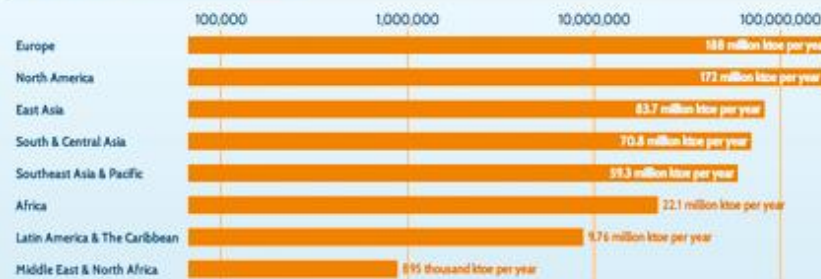
WORLD ENERGY COUNCIL
CONSEIL MONDIAL DE L'ÉNERGIE

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22nd World Energy Congress
DAEGU 2013

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COAL RECOVERABLE RESERVES BY REGION



COAL



GEOTHERMAL



BIOMASS



NUCLEAR



- Middle East & North Africa (0.1%)
- North America (28.5%)
- Latin America & The Caribbean (1.5%)
- South & Central Asia (11.6%)
- Africa (3.7%)
- Southeast Asia & Pacific (9.8%)
- East Asia (33.7%)
- Europe (31.1%)

Explore: World Energy Resources data

Identify national or regional fossil fuel reserves and renewables installed capacity, rank top producing countries, value resources' potential in countries around the world and more. Since 1933, the World Energy Resources data provide the most complete and impartial set of information about available energy resources globally to help inform the energy debate and support decisions that will shape a sustainable future.



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Consulting Engineers - IPEA



Working Together to Advance Benchmarking and Mobility in the Engineering Profession

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[International Professional Engineers Agreement](#)

[APEC Engineer](#)

[International Engineering Technologist Agreement](#)

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[Graduate/professional competence profiles](#)

[Glossary of Terms \(pdf\)](#)

[Abbreviations & Acronyms](#)

Introduction

There are six international agreements governing mutual recognition of engineering qualifications and professional competence. In each of these agreements countries/economies who wish to participate may apply for membership, and if accepted become members or signatories to the agreement. In broad principle, each country/economy must meet its own costs, and the body making application must verify that it is the appropriate representative body for that country/economy.

Agreements covering tertiary qualifications in engineering

There are three agreements covering mutual recognition in respect of tertiary-level qualifications in engineering:

[The Washington Accord](#) signed in 1989 was the first - it recognises substantial equivalence in the accreditation of qualifications in professional engineering, normally of four years duration.

[The Sydney Accord](#) commenced in 2001 and recognises substantial equivalence in the accreditation of qualifications in engineering technology, normally of three years duration.

[The Dublin Accord](#) is an agreement for substantial equivalence in the accreditation of tertiary qualifications in technician engineering, normally of two years duration. It commenced in 2002.

Agreements covering competence standards for practising engineers

The other three agreements cover recognition of equivalence at the practising engineer level i.e. it is individual people, not qualifications that are seen to meet the benchmark standard. The concept of these agreements is that a person recognised in one country as reaching the agreed international standard of competence should only be minimally assessed (primarily for local knowledge) prior to obtaining registration in another country that is party to the agreement.

Members Login

Organisation:

Password:

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Consulting Engineers - IPEA

IEAM 2016

Date: Monday 30 May to 3 June 2016

Place: Kuala Lumpur Malaysia

Participants: 142 delegates from 27 countries

Chinese Taipei: 9 IEET and 2 CIE



Consulting Engineers - IPEA

WEEKLY PLAN

	AM session	Morning Break (10.00 – 10.30)	AM session	Lunch (12.30 – 1.30)	PM session	Afternoon Break (3.00 – 3.30)		
Monday 30th May 2016	Arrival of Delegates		Meeting of the IEA Governing Group (commences 11:00am)		Continuation of the IEA Governing Group Meeting Governing Group		Delegate Registration Desk (opens at 5:00pm - prior to dinner)	(commences 6.00pm at the Royale Chulan Hotel)
Tuesday 31st May 2016	Delegate Registration Desk (opens at 8:00am - prior to opening session) Opening Session for all delegates (commences 9:00am)		Day One – Workshops Summary of Workshop Sessions		Continuation of Day One – Workshops		Continuation of Day One – Workshops	
Wednesday 1st June 2016	Day Two Workshops (commences 8:30am)		Continuation of Day Two – Workshops		Continuation of Day Two – Workshops		Midweek Social Event for all delegate & partners Briefing, Twin Tower Sky Bridge Walk & Dinner at KLCC (depart Hotel at 4.00pm, dinner served approx. 7:00pm)	
Thursday 2nd June 2016	Washington Accord Meeting – Open Session (commences 8:30am)		Washington Accord Meeting – Closed Session		Continuation of Washington Accord Meeting – Closed Session		Combined Sydney & Dublin Accord Meetings – Open Session Sydney Accord – Closed Session Dublin Accord – Closed Session	BEM Hosted Dinner for all delegates & partners at Saloma Bistro (depart Hotel at 6.00pm)
Friday 3rd June 2016	IPEA Meeting – Open Session Closed Session (commences 8:30am)		APEC Meeting – Open Session Closed Session		IETA Meeting – Open Session Closed Session AIET Meeting – Open Session Closed Session		Closing Session for all delegates (commences 4:00pm) Followed by a meeting of the IEA Governing Group	

Consulting Engineers - IPEA

Major outcome

1. Chinese Association of Science and Technology, CAST becomes a full member of Washington Accord.
2. Peruvian Association of Engineers, PAE becomes a provisional member of APEC Engineers.
3. Chinese Taipei IntPE Monitoring Committee received 6 years signatory status.
4. Institute of Engineers India, IEI must propose improvement plan within 6-month for keeping a full member of IntPE.
5. COE Thailand must propose improvement plan within 6-month for keeping a full member of APEC Engineers.
6. IEB Bangladesh full membership application was rejected.

2016 IEA Interim Meeting

Major Achievements – EA CIE MOU

A lunch Meeting with Mr. Glen Crawley (EA)



2016 IEA Interim Meeting

Major Achievements – PAE

Meeting with President Jorge (PAE)



2016 IEA Interim Meeting

Major Achievements – Seminar

Meeting with HKIE Delegates



2016 IEA Interim Meeting

Major Achievements – Local knowledge

Meeting with the Ambassador



2016 IEA Interim Meeting

Major Achievements – Company visits

Meeting with Taiwan Engineers



Resources - NGO



ACECC

The Asian Civil Engineering Coordinating Council



➤ About ACECC

About ACECC (The Asian Civil Engineering Coordinating Council)

➤ Contact Information

ACECC (The Asian Civil Engineering Coordinating Council) was established on September 27, 1999, with the aims of promoting the acquisition and transfer of civil engineering knowledge for advancing the design and construction practices that ultimately improve the quality of life of all citizens from ACECC member countries.

➤ Founding Documents

The member societies/institutions of the ACECC shall be open to worldwide societies/institutions of civil engineers under the condition of one society/institution from an economy.

➤ ACECC History

➤ ACECC Members

To achieve the objectives of ACECC, international conferences called Civil Engineering Conference in the Asian Region (CECAR) will be held on a triennial basis as the main activity of the ACECC.

➤ ACECC Objectives

Introduction of ACECC

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➤ Organizations

➤ Technical Committee

➤ Newsletter

➤ CECAR

Resources - NGO



ACECC

The Asian Civil Engineering Coordinating Council



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➤ Founding Documents

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➤ ACECC Objectives

➤ Organizations

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➤ Newsletter

➤ CECAR

Continuous Secretariat Office: Japan

Secretary General
Dr. Kenichi Horikoshi



Deputy Secretary General **Dr. Edward H. Wang**

Office Administrator: Ms. Emiko Serino



Clerical person, Treasurer
Other supporting staffs

-Meeting Coordination, Financial Management, Information Source, Document Control, Web-site Operation, and others

CECAR Host Member: ASCE 2013-2016

Chair of ACECC
Dr. Albert T. Yeung



CECAR Local Organizing Committee
LOC Chair: Dr. Udai P. Singh



LOC Sub-Committee

CECAR is held every 3 years.
ACECC chair is nominated from CECAR host country every 3 years

Executive Committee Meeting (ECM)

ECM is held in each member country

Financial Committee Meeting (FCM)

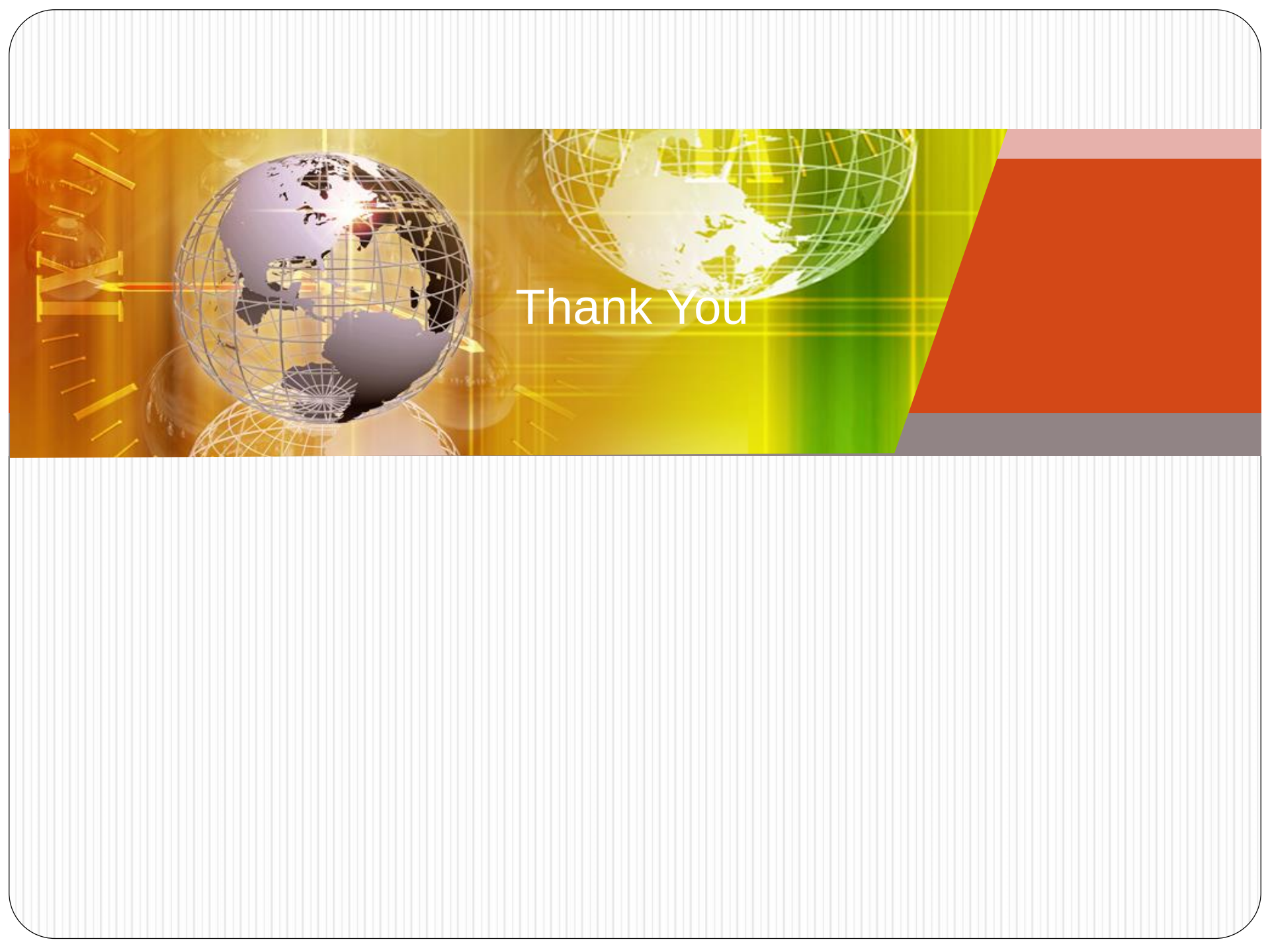
Planning Committee Meeting (PCM)

Technical Coordinating Committee Meeting (TCCM)
Chair: Mr. Potenciano A. Leoncio Jr.



Sub-Committee

Technical Committee

The image features a collage of globes and a large Roman numeral 'X' on a yellow and green background. The globes are wireframe and show different parts of the world. The Roman numeral 'X' is large and yellow. The background is a mix of yellow and green with some light effects. On the right side, there is a large orange triangle pointing towards the center.

Thank You