



Introduction of APEC especially on Science & Technology

APEC Climate Symposium 2010

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Program Director in APEC Secretariat

Introducing APEC



Asia-Pacific
Economic Cooperation



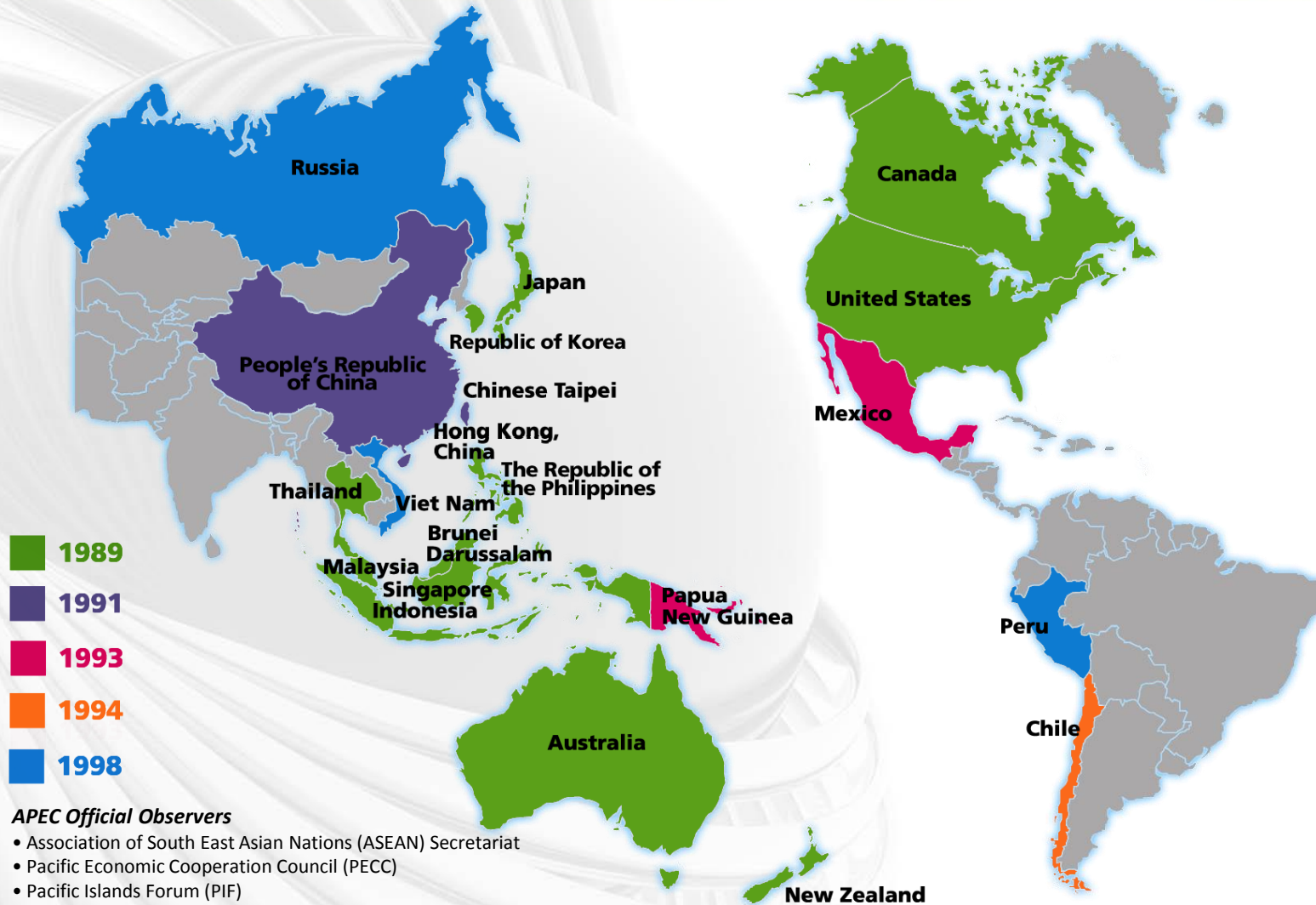
**Asia-Pacific
Economic Cooperation**

Advancing Free Trade
for Asia-Pacific **Prosperity**

APEC Member Economies



Asia-Pacific
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APEC Official Observers

- Association of South East Asian Nations (ASEAN) Secretariat
- Pacific Economic Cooperation Council (PECC)
- Pacific Islands Forum (PIF)

Mission Statement



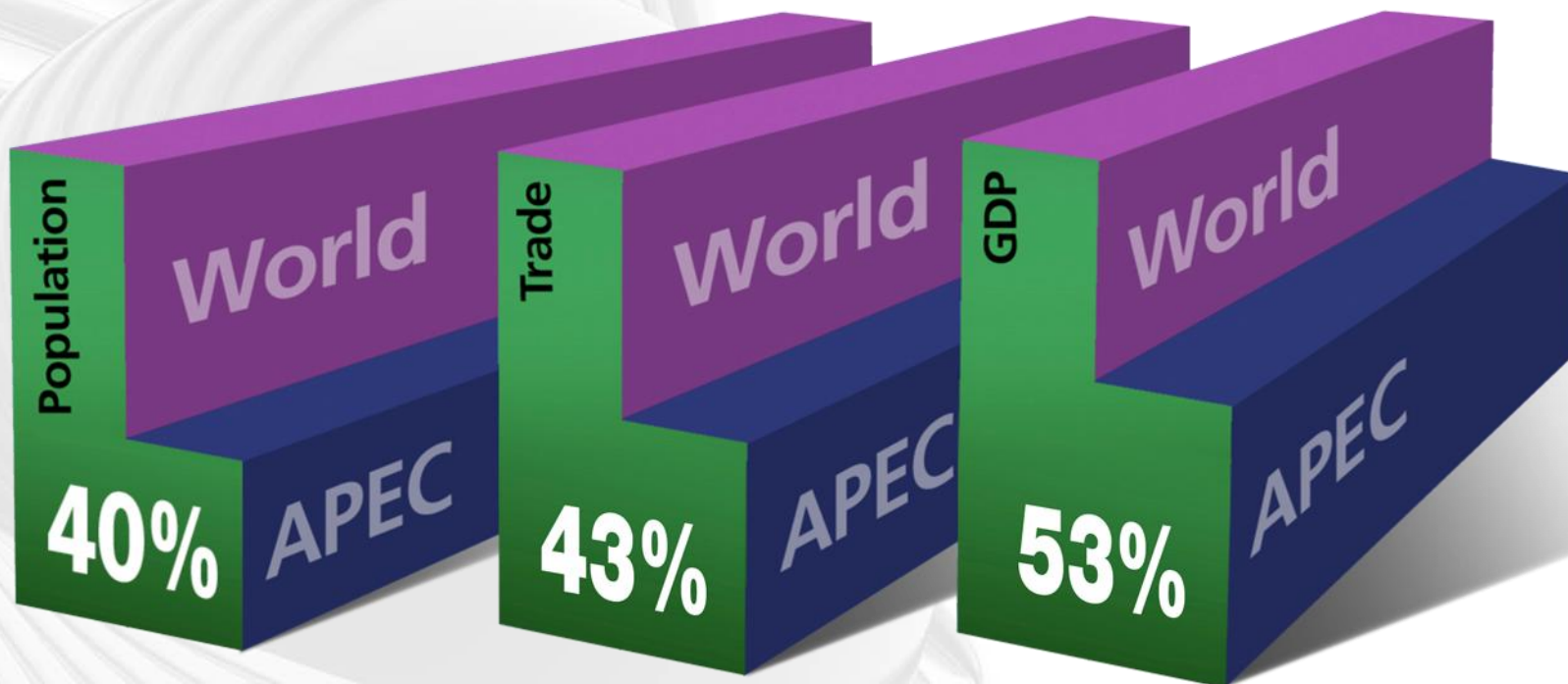
APEC is the premier Asia-Pacific economic forum. Our primary goal is to support sustainable economic growth and prosperity in the Asia-Pacific region.

We are united in our drive to build a dynamic and harmonious Asia-Pacific community by championing free and open trade and investment, promoting and accelerating regional economic integration, encouraging economic and technical cooperation, enhancing human security, and facilitating a favourable and sustainable business environment. Our initiatives turn policy goals into concrete results and agreements into tangible benefits.

APEC's Economic Significance



Asia-Pacific
Economic Cooperation



World 6.7 billion
APEC 2.7 billion

World US\$40 trillion
APEC US\$17 trillion

World US\$61 trillion
APEC US\$32 trillion

Source: Department of Trade and Foreign Affairs, Australia (2009), "The APEC Region Trade and Investment 2009"

Economic Indicators



Asia-Pacific
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Member Economy and Year Joined	Area ('000 sq km)	Population (million)	GDP (US\$bn) (current prices)	GDP per capita (US\$)	Exports (US\$m)	Imports (US\$m)
Australia (1989)	7,692	22.0	1,013.10	46,806	231,673	239,118
Brunei Darussalam (1989)	6	0.4	14.6	37,053	9,487	2,654
Canada (1989)	9,971	33.6	1,499.60	45,085	523,114	496,168
Chile (1994)	757	17.0	169.5	10,117	80,335	67,875
China (1991)	9,561	1334.3	4,327.40	3,259	1,575,981	1,290,393
Hong Kong, China (1991)	1	7.1	215.4	30,726	462,972	439,292
Indonesia (1989)	1,905	231.5	511.8	2,239	152,193	157,381
Japan (1989)	378	127.6	4,910.70	38,457	930,992	931,423
Korea, Republic of (1989)	99	48.7	929.1	19,136	497,997	527,999
Malaysia (1989)	330	27.8	221.6	8,118	230,049	187,327
Mexico (1993)	1,958	107.8	1,088.10	10,200	311,145	334,085
New Zealand (1989)	271	4.3	128.4	30,030	39,540	41,935
Papua New Guinea (1993)	463	6.3	8.1	1,306	8,811	3,394
Peru (1998)	1,285	29.1	127.5	4,448	34,798	43,267
Philippines (1989)	300	92.2	166.9	1,845	59,219	65,402
Russian Federation (1998)	17,098	141.4	1,676.60	11,807	519,301	343,407
Singapore (1989)	1	4.8	181.9	38,972	421,223	398,852
Chinese Taipei (1991)	36	23.2	391.4	16,988	278,003	274,791
Thailand (1989)	513	67.1	273.3	4,116	211,566	227,127
United States (1989)	9,364	307.2	14,441.40	47,440	1,833,022	2,508,901
Viet Nam (1998)	332	87.2	89.8	1,042	66,557	91,101

Area; Population; GDP (current prices); GDP per capita

Source: Economic Fact Sheets, <http://www.dfat.gov.au/geo/fs>

Exports and Imports

Source: The APEC Region Trade and Investment 2009

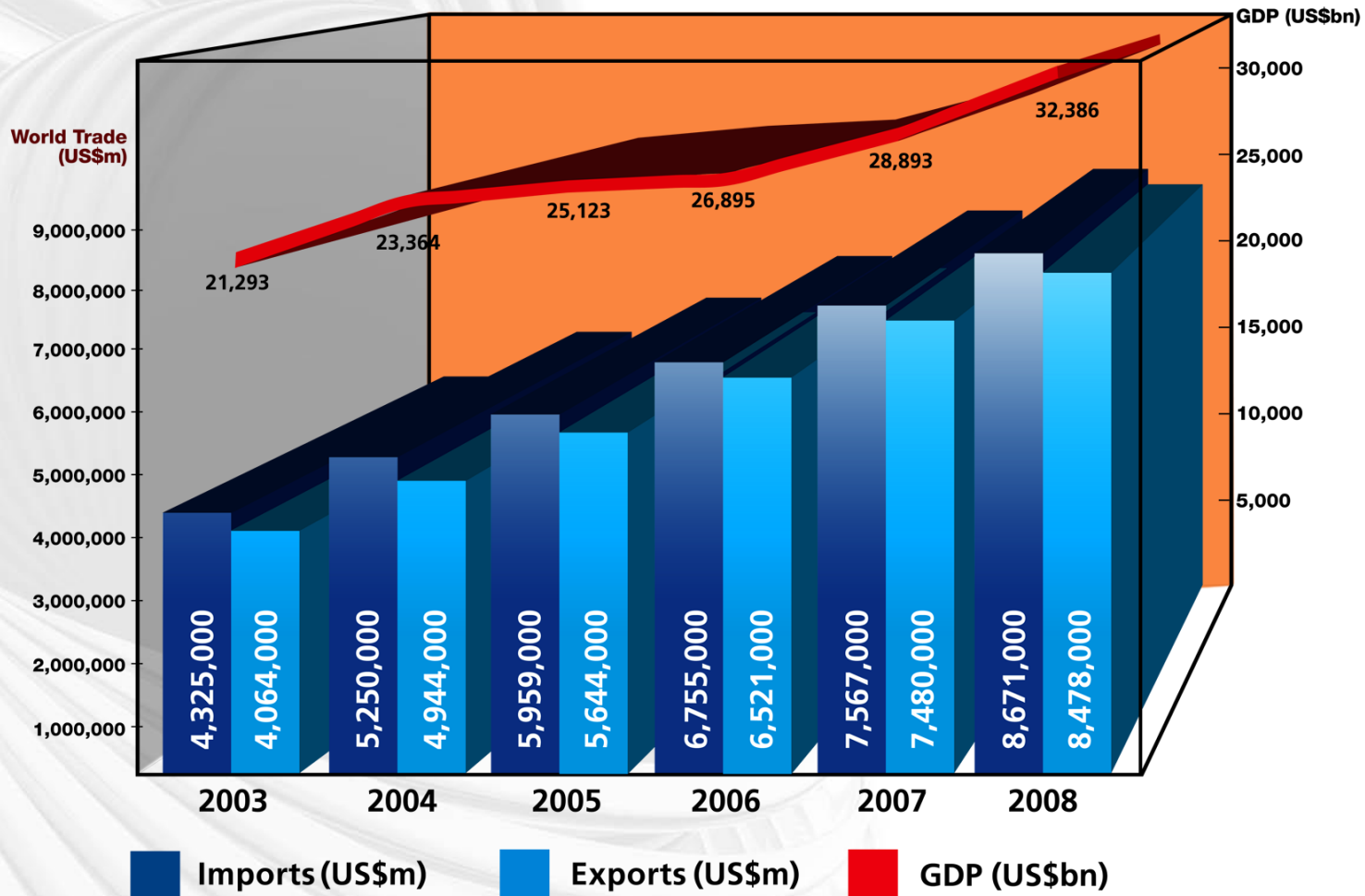
* From 2008, Exports and Imports include goods and services trade



APEC Economic Data



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Source: Department of Trade and Foreign Affairs, Australia (2009), "The APEC Region Trade and Investment 2009"

APEC's Development



- **1989-1992 Ministerial level dialogue**
- **1993 First APEC Economic Leaders' Meeting**
- **1994 Bogor Goals of free and open trade and investment in the Asia-Pacific**
 - **by 2010 for industrialized economies**
 - **by 2020 for developing economies**



Scope of Work



1. Trade and Investment Liberalisation

- **Tariff and non-tariff barriers**
- **Regional economic integration**

2. Business Facilitation

- **Structural reform**
- **Ease of Doing Business**
- **Supply chain connectivity**

3. Economic and Technical Cooperation

Expanded Scope



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- **Counter-terrorism**
- **Health pandemics**
- **Emergency Preparedness**
- **Climate Change Mitigation**
- **Food security**



How APEC Operates



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Policy Level

Leaders' Meeting

APEC Business
Advisory Council

Ministerial
Meeting

Sectoral
Ministerial Meetings

Senior Officials'
Meeting (SOM)

Working Level

APEC
Secretariat

Committee on
Trade & Investment
(CTI)

Budget &
Management
Committee (BMC)

Economic
Committee (EC)

SOM Steering
Committee on
ECOTECH (SCE)

Sub-committees/
Experts Group

Special Task Groups

Working Groups (WG)

- **APEC Secretariat established in 1993**
- **Headed by Executive Director, Ambassador Muhamad Noor**
- **Support units include:**
 - **Communications**
 - **Finance**
 - **Information Technology**
 - **Project Management Unit**
 - **Policy Support Unit**



APEC Host Economies



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Year	Member Economy	Leaders' Meeting/Ministerial Meeting Venue
2013	Indonesia	TBA
2012	Russia	Vladivostok
2011	USA	Honolulu
2010	Japan	Yokohama
2009	Singapore	Singapore
2008	Peru	Lima
2007	Australia	Sydney
2006	Viet Nam	Hanoi
2005	Korea	Busan
2004	Chile	Santiago
2003	Thailand	Bangkok
2002	Mexico	Los Cabos
2001	China	Shanghai
2000	Brunei Darussalam	Bandar Seri Begawan
1999	New Zealand	Auckland
1998	Malaysia	Kuala Lumpur
1997	Canada	Vancouver
1996	Philippines	Subic
1995	Japan	Osaka
1994	Indonesia	Bogor
1993	United States	Blake Island, Seattle



APEC 2010 Theme: “Change and Action”

- **Regional Economic Integration**
- **New growth strategy**
 - **Inclusive growth**
 - **Sustainable growth**
 - **Balanced growth**
 - **Knowledge-based growth**
- **Human Security**

Sustainable Growth & Climate Change (I)



❑ *Sydney APEC Leaders' Declaration on Climate Change, Energy Security and Clean Development in 2007*

- Milestone in APEC, firstly addressing the Climate Change issues
- Comprehensive approach
- Some “Quantitative” approach
- Committing to the UNFCCC principles and supporting for a post-2012 international climate change arrangement
- *Not directly touching upon the green house gas emission reduction target or goal in APEC*

❑ *Action Agenda*

- APEC-wide target of reducing energy intensity by 25 percent by 2030
- Increasing forest cover in the region by at least 20 million hectares of all types of forests by 2020

Sustainable Growth & Climate Change (II)



□ AELM Declaration in 2008 Lima, Peru – “*CLIMATE CHANGE, ENERGY SECURITY AND CLEAN DEVELOPMENT*”

- As a global issue, ***climate change*** must be addressed through international cooperation under the UN Framework Convention on Climate Change (UNFCCC) in accordance with the principle of “***common but differentiated responsibilities and respective capabilities***”
- Recalling the 2007 Sydney Declaration

Sustainable Growth & Climate Change (III)



□ *Promoting Sustainable Growth*

- Supporting for an ambitious outcome in Copenhagen
- **Environment Goods & Services (EGS) Work Program**
 - “EGS Projects Mapping” from CTI (MAG, GOS, SCSC), EWG, ISTWG
- Best Practice on ***Energy Efficiency***
 - Voluntary APEC Peer Review on Energy Efficiency

Sustainable Growth & Climate Change (IV)



□ APEC Energy Ministers give instructions on energy security and efficiency in 2010

- Collaborative Assessment of Standards and Testing (CAST) scheme to boost trade and investment in energy efficient appliances;
- Nuclear Power Emissions Reduction Potential Study to assess the potential for nuclear power to reduce carbon emissions in interested APEC economies;
- APEC Smart Grid Initiative to evaluate the potential of smart grids to support the integration of intermittent renewable energies and energy management approaches in buildings and industry; and
- Low Carbon Model Town Project aimed at developing best practices to achieve low-emissions urban communities.

Industrial Science & Technology Working Group (ISTWG)



• Objective

- - “Fulfilling the APEC vision for the 21st century”

• Six Key Priorities

- - Improved availability of information
- - Improved human resources development
- - Improved business climate
- - Contribution to sustainable development
- - Enhanced policy dialogue and review
- - Facilitation of networks and partnership

Stakeholders in ISTWG

- **S&T Human Net-working Hub in Asia-Pacific areas**
 - Policy maker in government & think-tank
 - Researcher & scientist
 - International & regional organization
 - Business & industry



Issues in Science & Technology

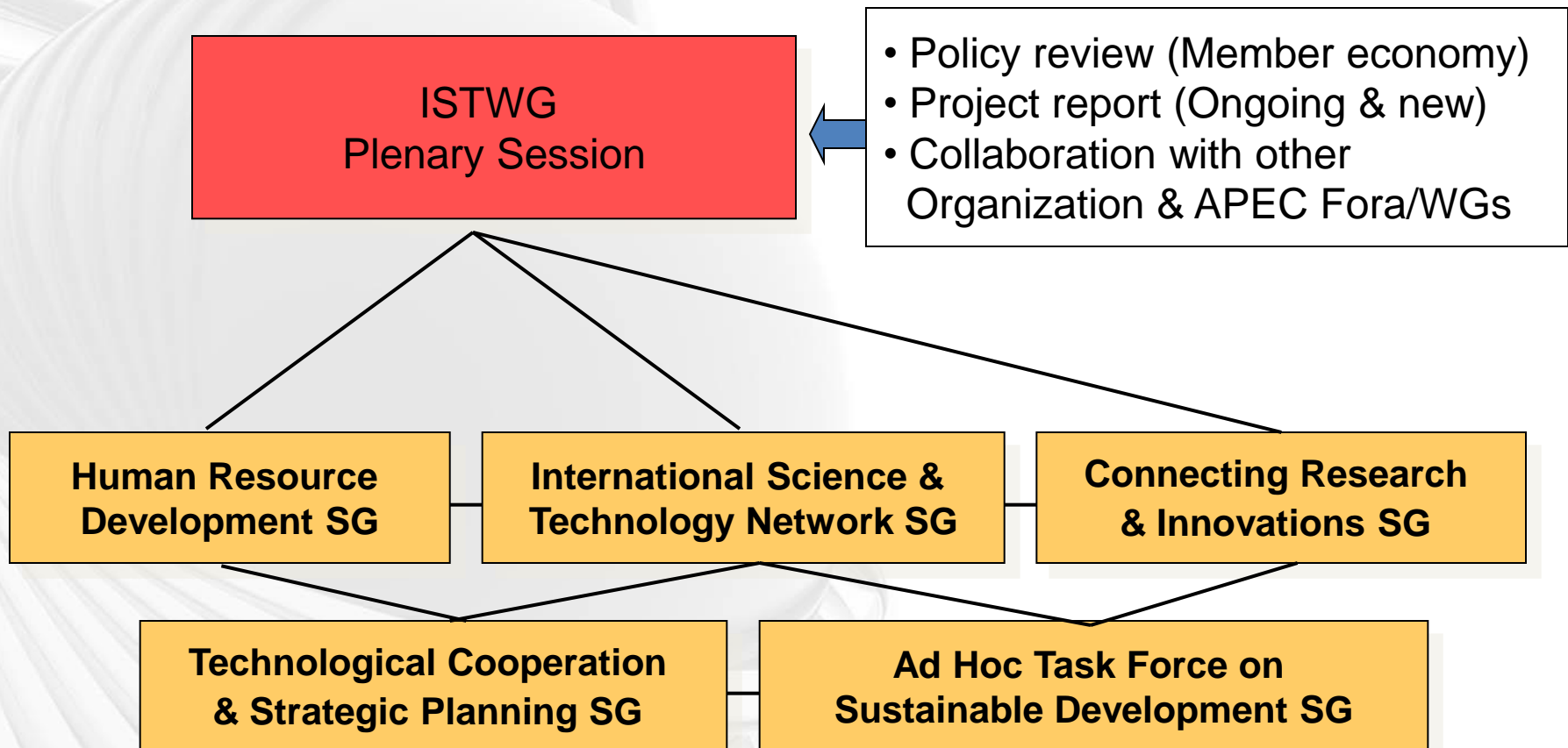


Asia-Pacific
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- Biotechnology
- Environmental and Cleaner Production Technologies
- Communication
- Information Technologies/Electronics
- Advanced Materials
- Mechatronics
- Transportation
- Resource Management Technology
- Energy
- Sustainable Agriculture
- Emergency Preparedness and Climate Prediction
- Exploitation of natural resources, etc.

Structure of ISTWG



Further information



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APEC Website - www.apec.org

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