

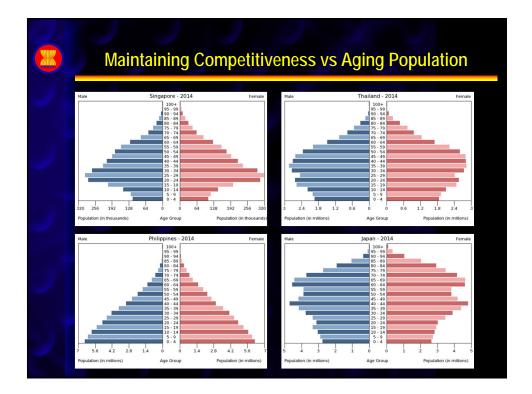


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| ASEAN in Figures (2012) | | | | | | | | | |
|-------------------------|-----------|----------------------------|-------------------------|------------------------|-------------------------|---------------|--|--|--|
| Country | Land Area | Population | GDP | GDP | Total Trade | GDP | | | |
| Brunei Darussalam | (km²) | ([,] 000) 400 | (USD million) 16,970 | (per capita) 42,445 | (USD million) 16,856 | Growth Rate | | | |
| Cambodia | 181,035 | 14,741 | 14,411 | 978 | 18,664 | 7.0% | | | |
| Indonesia | 1,860,360 | 244,776 | 878,223 | 3,588 | 381,721 | 6.2% | | | |
| Lao PDR | 236,800 | 6,514 | 9,083 | 1,394 | 6,159 | 7.9% | | | |
| Malaysia | 330,252 | 29,337 | 305,154 | 10,338 | 423,930 | 5. 6 % | | | |
| Myanmar | 676,577 | 60,976 | 52,525 | 861 | 18,503 | 5.6% | | | |
| Philippines | 300,000 | 97,691 | 250,543 | 2,565 | 117,382 | 6.8% | | | |
| Singapore | 710 | 5,312 | 276,610 | 52,069 | 788,117 | 1.3% | | | |
| Thailand | 513,120 | 67,912 | 366,127 | 5,391 | 477,302 | 6.5% | | | |
| Viet Nam | 331,051 | 88,773 | 141,669 | 1,596 | 227,793 | 5.0% | | | |
| ASEAN | 4,435,670 | 616,614 | 2,311,315 | 3,748 | 2,476,427 | 5.7% | | | |



The ASEAN Committee on Science and Technology (COST)

A little bit of history:

- 1. ASEAN was established on 8 August 1967
- 2. Ad-hoc Committee on Science and Technology met in Jakarta on 27-29 April 1970
- 3. The ASEAN Permanent Committee on Science and Technology (PCOST) was established in 1971. PCOST ⇒ COST in 1978
- 4. First meeting of ASEAN COST on 20-22 June 1978

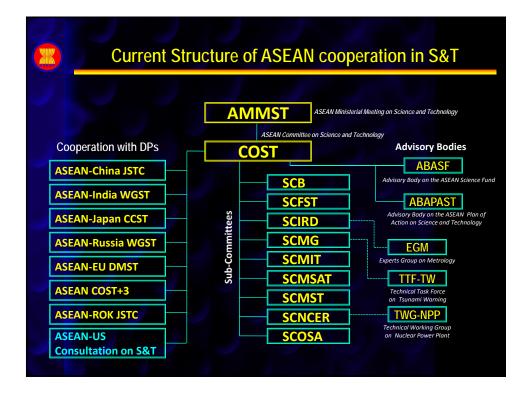
Mandate:

"ASEAN shall promote active collaboration and mutual assistance on matters of common interest in the economic, social, cultural, technical, scientific and administrative fields and provide assistance to each other in the form of training and research facilities in the educational, professional, technical and administrative spheres"

Vision:

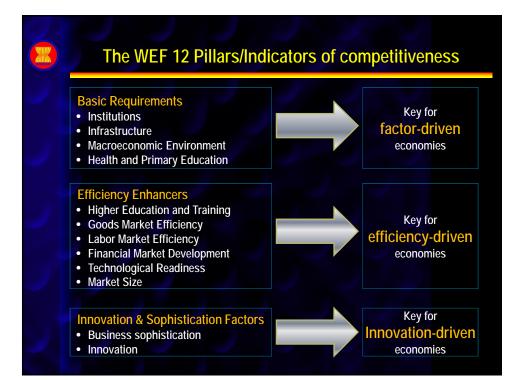
"A technologically competitive ASEAN, competent in strategic and enabling technologies, with an adequate pool of technologically qualified and trained manpower, and strong networks of scientific and technological institutions and centres of excellence".





| Acronyms: |
|---|
| ABAPAST: Advisory Body on the ASEAN Plan of Action on Science and Technology |
| ABASF: Advisory Body of the ASEAN Science Fund |
| AMMST: ASEAN Ministerial Meeting on Science & Technology |
| ASEAN-China JSTC: ASEAN-China Joint Science and Technology Committee |
| ASEAN-Japan CCST: ASEAN-Japan Cooperation Committee on Science and Technology |
| ASEAN-India WGST: ASEAN-India Working Group on Science and Technology |
| ASEAN-Russia WGST: ASEAN-Russia Working Group on Science and Technology |
| ASEAN-EU DMST: ASEAN-EU Dialogue Meeting on Science and Technology |
| ASEAN COST+3: Committee on Science and Technology Plus Three (China, Japan and ROK |
| ASEAN-ROK JSTC: ASEAN-ROK Joint Science and Technology Committee |
| ASEAN-US CST: ASEAN-US Consultation on Science and Technology |
| COST: ASEAN Committee on Science and Technology |
| EGM: ASEAN commute on science and recimology |
| SCB: Sub-Committee on Biotechnology |
| SCB: Sub-Committee on Bioleciniology SCFST: Sub-Committee on Food Science and Technology |
| 0,7 |
| SCIRD: Sub-Committee on S&T Infrastructure and Resources Development |
| SCMG: Sub-Committee on Meteorology and Geophysics |
| SCMIT: Sub-Committee on Microelectronics and Information Technology |
| SCMSAT: Sub-Committee on Marine Science and Technology |
| SCMST: Sub-Committee on Materials Science and Technology |
| SCNCER: Sub-Committee on Non-Conventional Energy Research |
| SCOSA: Sub-Committee on Space Technology and Applications |
| TTF-TW: Technical Task Force on Tsunami Warning |
| TWG-NPP: Technical Working Group on Nuclear Power Plant |
| |

| State of S&T development in ASEAN | | | | | | | |
|-----------------------------------|--------------------------|---------------------|--------------------------------------|---------------------------------------|--------------------------|--|--|
| Country | GERD (in '000 PPP\$)* | GERD (% of GDP)* | Per capita GERD ('000 PPP \$)* | No. of Researchers (per M pop.) | Scien Publica (200 | | |
| Brunei (2004) | 6,268 | 0.04% | 17.30 | 673 | 4 | | |
| Cambodia (2002) | 6,816 | 0.05% | 0.50 | 56 | 7! | | |
| Indonesia (2009) | 803,522 | 0.04% | 3.50 | 179 | 65 | | |
| Lao PDR (2002) | 2,637 | 0.04% | 0.50 | 37 | 5 | | |
| Malaysia (2008) | 3,161,875 | 0.82% | 80.10 | 1,135 | 2,71 | | |
| Myanmar (2002) | | 0.16% | 0.16 | 100 | 3 | | |
| Philippines (2007) | 342,491 | 0.11% | 3.90 | 130 | 62 | | |
| Singapore (2008) | 6,605,896 | 2.26% | 1,431.40 | 7,230 | 6,81 | | |
| Thailand (2007) | 1,120,750 | 0.21% | 16.70 | 582 | 4,13 | | |
| Viet Nam (2002) | 252,019 | 0.19% | 3.10 | 508 | 87 | | |



| Country | 2009-2010 | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 |
|-------------------|-----------|-----------|-----------|-----------|-------------|
| Brunei Darussalam | 32 | 28 | 28 | 28 | 26 1 |
| Cambodia | 110 | 109 | 97 | 85 | 88 🖡 |
| Indonesia | 54 | 44 | 46 | 50 | 38 🕇 |
| Lao PDR | - | - | | | 81 |
| Malaysia | 24 | 26 | 21 | 25 | 24 🕇 |
| Myanmar | | | | | 139 |
| Philippines | 87 | 85 | 75 | 65 | 59 1 |
| Singapore | 3 | 3 | 2 | 2 | 2 👄 |
| Thailand | 36 | 38 | 39 | 38 | 37 🕇 |
| Viet Nam | 75 | 59 | 65 | 70 | 70 ↔ |
| Japan | 8 | 6 | 9 | 10 | 9 1 |





Science Technology and Innovation (STI) for a Competitive, Sustainable and Inclusive ASEAN

| | ASEAN 2015 – Vision of ASEAN Leaders | | | | | | | |
|-------------------|--|--|---|--|-------------------------------------|-------------------|---|--|
| Rationale | Roles of STI – A Balance of Competitiveness and Human Development (People-oriented STI) | | | | | | | |
| | Reinventing ASEAN Scientific Community for a Meaningful Delivery of STI Agenda in ASEAN | | | | | | | |
| Thematic Tracks | ASEAN Innovation for Global Market | | 0 | gital Economy, New dia & Social Network | | Green chnology | Food Security | |
| | Energy Security | Water Management | | | Biodiversity for Health & Wealth | | nce and ion for Life | |
| Paradigm Shifts | STI Enculturation | Bottom-of-the -Pyramid Focus (BOP) | | Youth-focused Innovation | STI for Green Society | | Public-Private Partnership Platform | |
| | | | | | | | | |
| | Organisational restructure for a meaningful delivery of STI agenda in ASEAN | | | | | | | |
| Courses of Action | Develop mechanisms to pursue partnerships and cooperation with other stakeholders in STI | | | | | | | |
| | Enhance the ASEAN Plan of Action on S&T for 2012-2015 and leverage the recommendations of the Krabi Retreat for development of future APAST beyond 2015 | | | | | | | |
| | Implement monitoring &evaluation mechanism for the implementation of STI thematic tracks | | | | | | | |
| | | | | | | | | |



