# JST and Our Survey Report on "the Development of Advanced Research Equipment and Shared Research Facilities in ASEAN Countries"

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Japan Science and Technology Agency (JST)

Asia and Pacific Research Center (APRC)

Mr. Yoshihide Kobayashi

# About JST

## Japan's STI Framework

Prime Minister

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Cabinet Office
Council for S&T Innovation (CSTI)

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Ministry of Education, Culture, Sports, S&T (MEXT)

↓ ↓

Universities

Research Agencies

↓ ↓

Research Institute

Funding Agencies
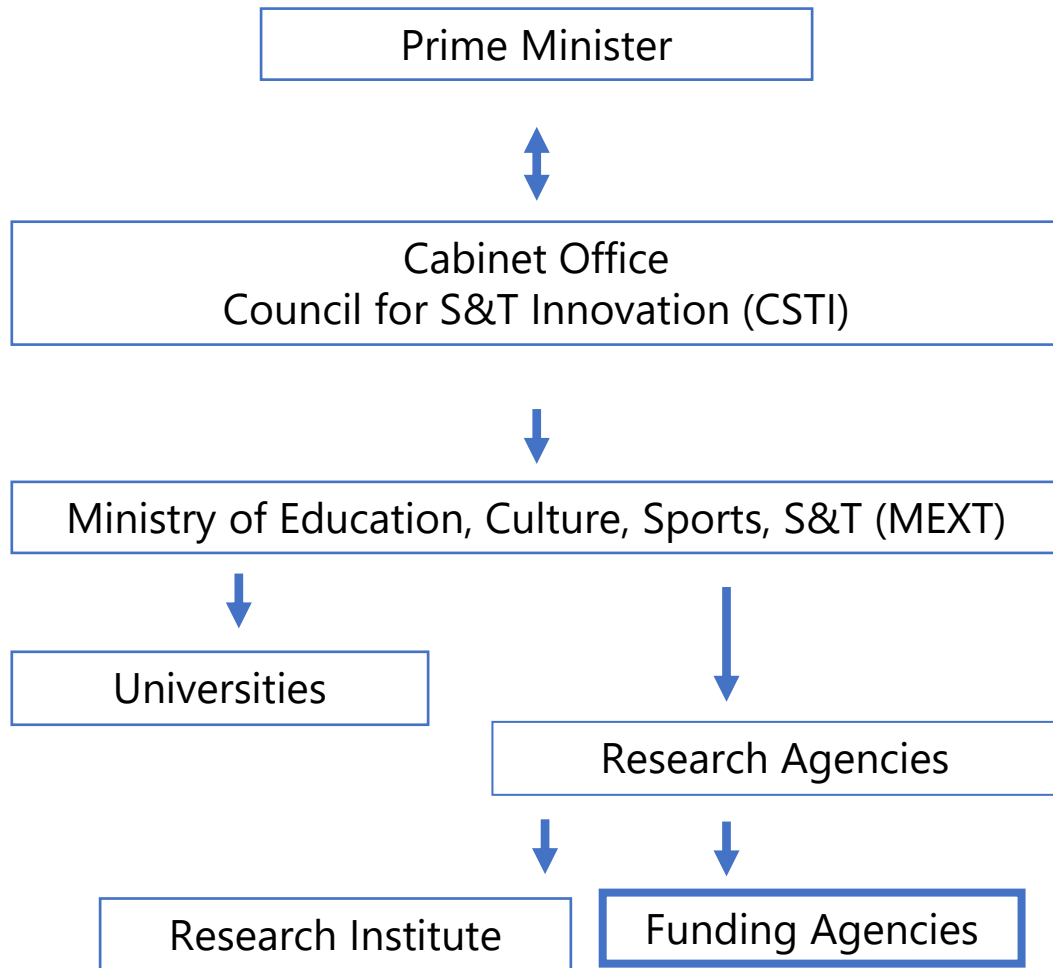
**Major functions**

- Funding Programs
- Public Engagement
- R&D Strategy Planning
- Information Platform and Database Services

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# Collaboration with ASEAN countries in Funding Programs

**SATREPS**
Science and Technology Research Partnership
for Sustainable Development Program

**e-ASIA JRP**
The e-ASIA Joint Research Program

**SAKURA SCIENCE**
Exchange Program

| | SATREPS | e-ASIA JRP | SAKURA SCIENCE |
|---|---|---|---|
| | 2008- | 2012- | 2014-2019 |
| Overall | **164** projects — **52** countries | **43** projects — **11** countries | **33,197** persons — **41** Countries/regions |
| | Global Common Issues | Regional Common Issues | Promoting International Exchange with Japan |
| With ASEAN countries | **74** projects — 45% | **43** projects — 100% | **13,724** persons — 41% |

https://www.jst.go.jp/global/english/

https://www.the-easia.org/jrp/

https://ssp.jst.go.jp/en/

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# Status of Advanced Research Equipment in ASEAN Countries

| Classification | Country | Deployment of Equipment*1 | Equipment Sharing*2 | Policy for Equipment Sharing*3 | Operational Mechanism and system for Sharing*4 | Organizations Interviewed |
|---|---|---|---|---|---|---|
| Category 1 | SG | ○ | ○ | ○ | ○ | National Research Foundation(NRF), St John's Island National Marine Laboratory(SJINML), SingaScope, Singapore Immunology Network (SIgN) |
| Category 2 | MY | ○ | ○ | ○ | ○ KRSTE.my | MIMOS Berhad, Universiti Malaysia Terengganu(UMT), SIRIM Berhad, Jabatan Kimia Malaysia （KIMIA) |
| | ID | ○ | ○ | ○ | ○ ELSA | BRIN, LIPI, BB Biogen, Universitas Indonesia |
| Category 3 | TH | ○ | ○ | △ | ○ | Khon Kaen University, Thailand Institute for Scientific and Technological Research, National Nanotechnology Center (NANOTEC) |
| Category 4 | VN | ○ | ○ | △ | × | Ho Chi Minh City University of Technology, Vietnam National University of Hanoi(VNU), Hanoi University of Science and Technology (HUST) |
| | PH | ○ | ○ | △ | × | Advanced Science and Technology Institute(ASTI), University of the Philippines Visayas, University of the Philippines Mindanao |
| | BN | ○ | △ | × | × | Universiti Brunei Darussalam(UBD) |
| Category 5 | LA | × | × | × | × | |
| | KH | × | × | × | × | |
| | MM | × | × | × | × | |
| - | JP | ○ | ○ | ○ | △ | |

Legend　※1 ○ In several locations　× Unable to confirm (limited)
　　　　※2 ○ In several locations　△ In some locations　× Unable to confirm (limited)
　　　　※3 ○ There is a policy for shared research facility　△There is a related policy, although not directly mentioned　×No supporting policy can be found
　　　　※4 ○ Multiple sites have reservation and management IT systems　△ Some sites have IT system　× No site has IT system

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