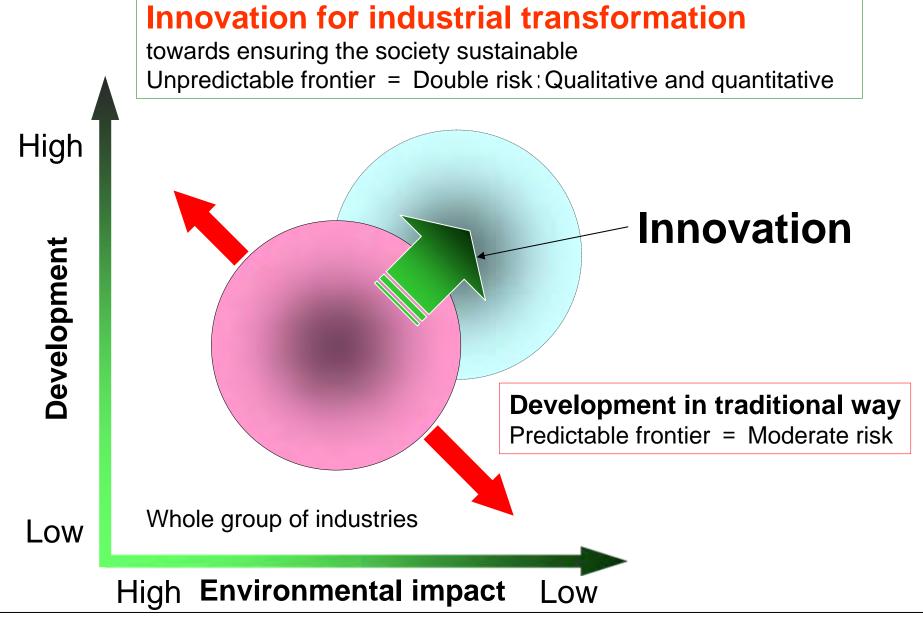






- AIST is a large, comprehensive research organization in Japan.
- AIST is an Independent Administrative Institution, supervised by METI.
- AIST does research for sustainable society through innovation in six major fields.
- Public-Private Partnership (PPP) is a key driver for innovation.

AIST aims at Innovation for Industrial Transformation



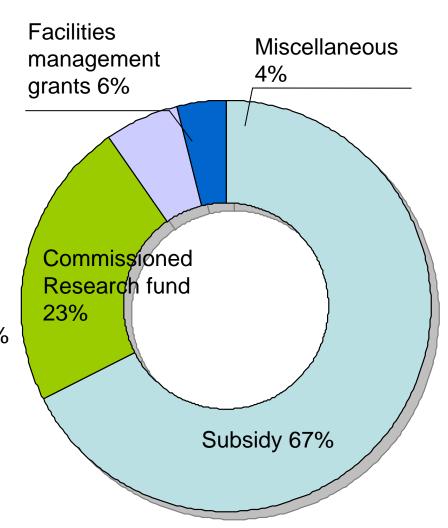
Size of Manpower and Budget



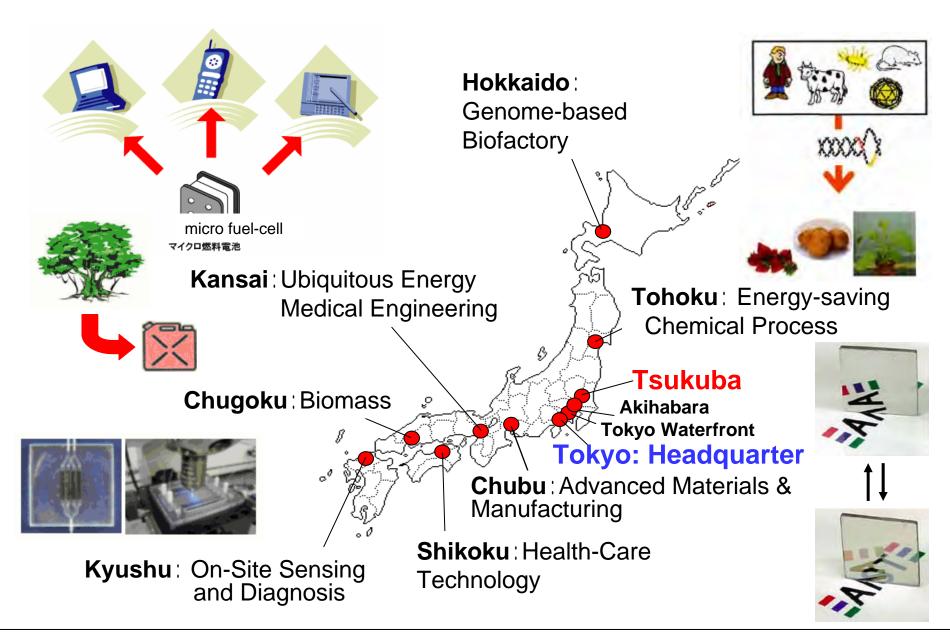
Visiting Researchers: 5,300

Metrology and Life Science & Measurement **Technology** Technology 15% 18% Geological Survey and Applied Information Geoscience 11% Technology & Electronics 16% **Environment &** Energy 23% Nanotechnology Materials & Manufacturing 17%

Budget: ¥98.5 b (FY2006)



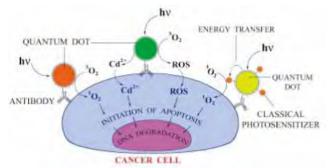
Network of AIST Research Bases





Six Major Fields of Research

Life Science & Bio-Technology



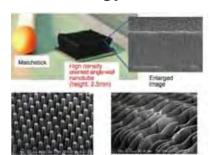
Mechanism of apoptosis (cell death) in cancer cells caused by nanomaterial

Information Technology & Electronics



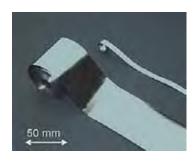
Operation plan for humanoids with arm/leg coordination and development of plan formulation method

Nanotechnology, Materials & Manufacturing



A revolutional synthesis technology for single-walled carbon nanotubes

Environment & Energy



First successful use of nonpalladium metal membrane in hydrogen purificatin

Geological Survey & Applied Geo Sciences



Research on active faults is carried out systematically as a high priority subject by AIST's Active Fault Research Center.

Metrology & Measurement Technology

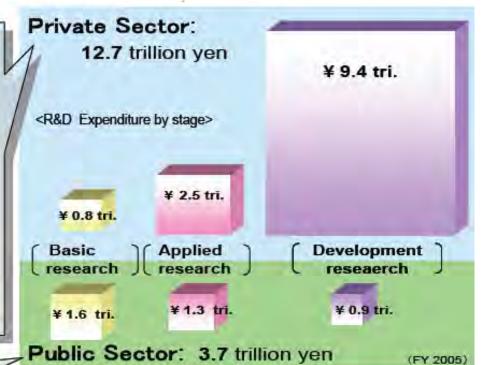


An ultraprecision pitch calibration system with a deep ultraviolet (DUV) laser diffractometer for rulers with the pitch of down to 97 nm has been newly constructed.



Main Players of R&D in Japan

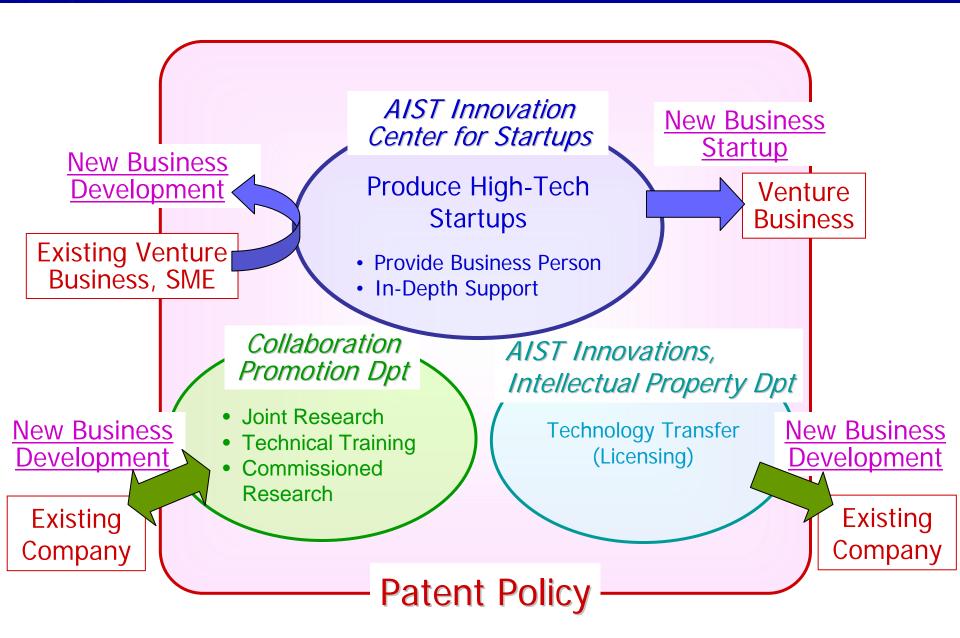
	(billion yen)
TOYOTA MOTER CORPORATION	890.8
· Matsushita Electric Industrial Co., Ltd.	578.1
-Honda Motor Co., Ltd.	551.8
Sony Corporation	543.9
Nissan Motor Co., Ltd.	464.8
· Hitachi, Ltd.	412.5
TOSHIBA Corporation	394.0
NEC Corporation	334.6
Canon Inc.	308.3
-DENSO CORPORATION	279.9
NIPPON TELEGRAPH AND TELEPHONE CORPORATION	272.1
-FUJITSU LIMITED	254.1



(billion yen)		(billion yen)		
National Universities Japan Aerospace Exploration Agency	1219.4 225.5	Japan Science and Technology Agency (JST)	104.3	
(JAXA) -New Energy Development Organization	216.5	•The Institute of Physical and Chemical Research (RIKEN)	82.8	
(NEDO) -Japan Atomic Energy Agency (JAEA)	189.8	·National Institute of Advanced Industrial Science and Technology (AIST)	69.7	
-Japan Society for the Promotion of Science (JSPS)	11111	 National Agriculture and Food Research Organization (NARO) 	52.6	
-Technical Research and Development Institute, Japan Ministry of Defense (TRDI)	157.3	 National Institute of Information and Communications Technology (NICT) 	47.8	
		Japan Agency for Marine-Earth Science and Technology (JAMSTEC)	38.0	

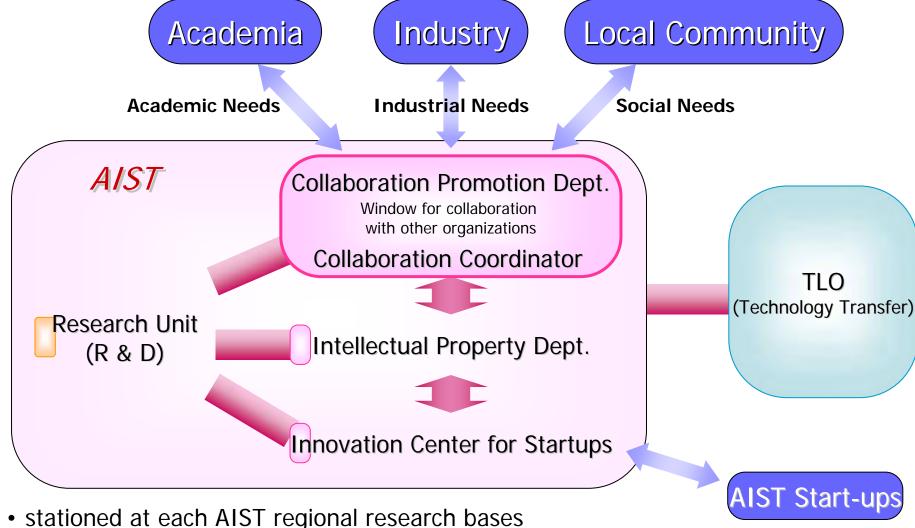


Three Windows of AIST for S & T Commercialization





Overview of Collaboration Promotion Dept



- stationed at each AIST regional research bases
- accurately determine socio-economic needs
- · act as intermediaries between the businesses in the local community and AIST

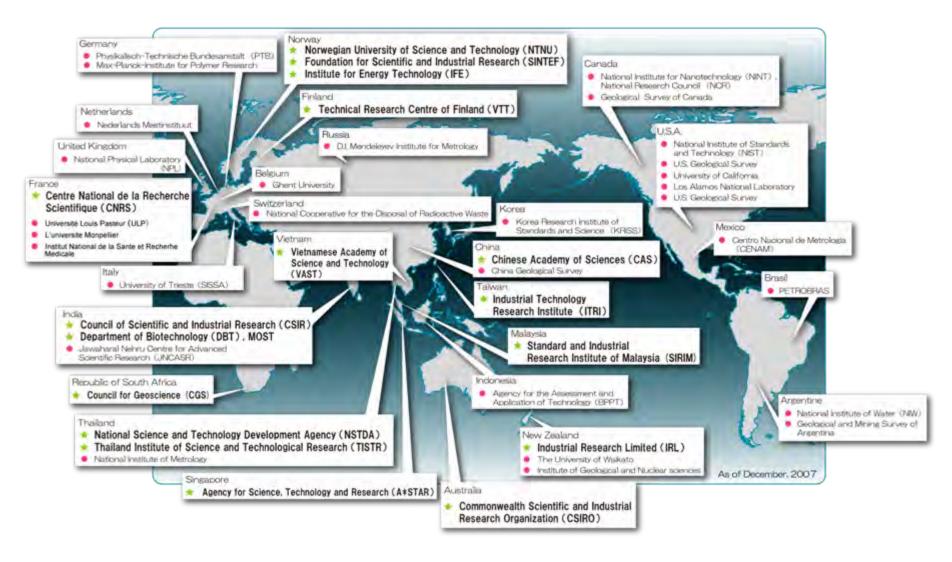


Collaboration Statistics

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006
Joint Researches	1,131	1,577	1,829	1,756	1,876	2,144
Collaborative Researches from Private Sector	78	195	359	412	632	745
million yen	343	1,185	2,277	2,654	3,238	3,505
Start-ups originated at and supported by AIST (newly entitled)	0	16	11	23	19	15
Japan Patent Applications	1,105	1,465	1,586	1,194	1,185	1,184
Licensing Contracts	187	296	394	433	640	638
Patent Execution Fee (million yen)	144	307	401	462	446	446



International Collaboration through MOUs



AIST has comprehensive MOUs on research cooperation with 18 major organizations in 14 countries /regions. (in the figure), and 107 MOUs in specific research fields with research organizations in 29 countries/regions (major ones are shown with).

International Activities

Establishment of Network of Excellence

Modality of Research Collaboration:

- Exchange of Information
- Workshops & Seminars
- Exchange of Researchers : Funds provided by AIST, JSPS & NEDO
- MOU and/or Research contracts
- Joint Research supported by concrete funds
- Innovation / Business partnering through AIST TLO

Researcher Exchange (FY 2006)

	,
Non-Japanese Researchers invited	722 (64Countries)
Tenured Non-Japanese Researchers (as of April 1, 2007)	79 (18Countries)
Fixed-term Non-Japanese Researchers (as of April 1, 2007)	190 (33Countries)
AIST Researchers sent abroad on mission	3,889 (79Countries)



Universities and Research Institute in St. Petersburg

- St. Petersburg State University
- Ioffe Physico-Technical Institute
- Other Universities and Research Institutes

First what and with whom... then how...



Thank you!