

Cyber R&D Infrastructure

December 2, 2016

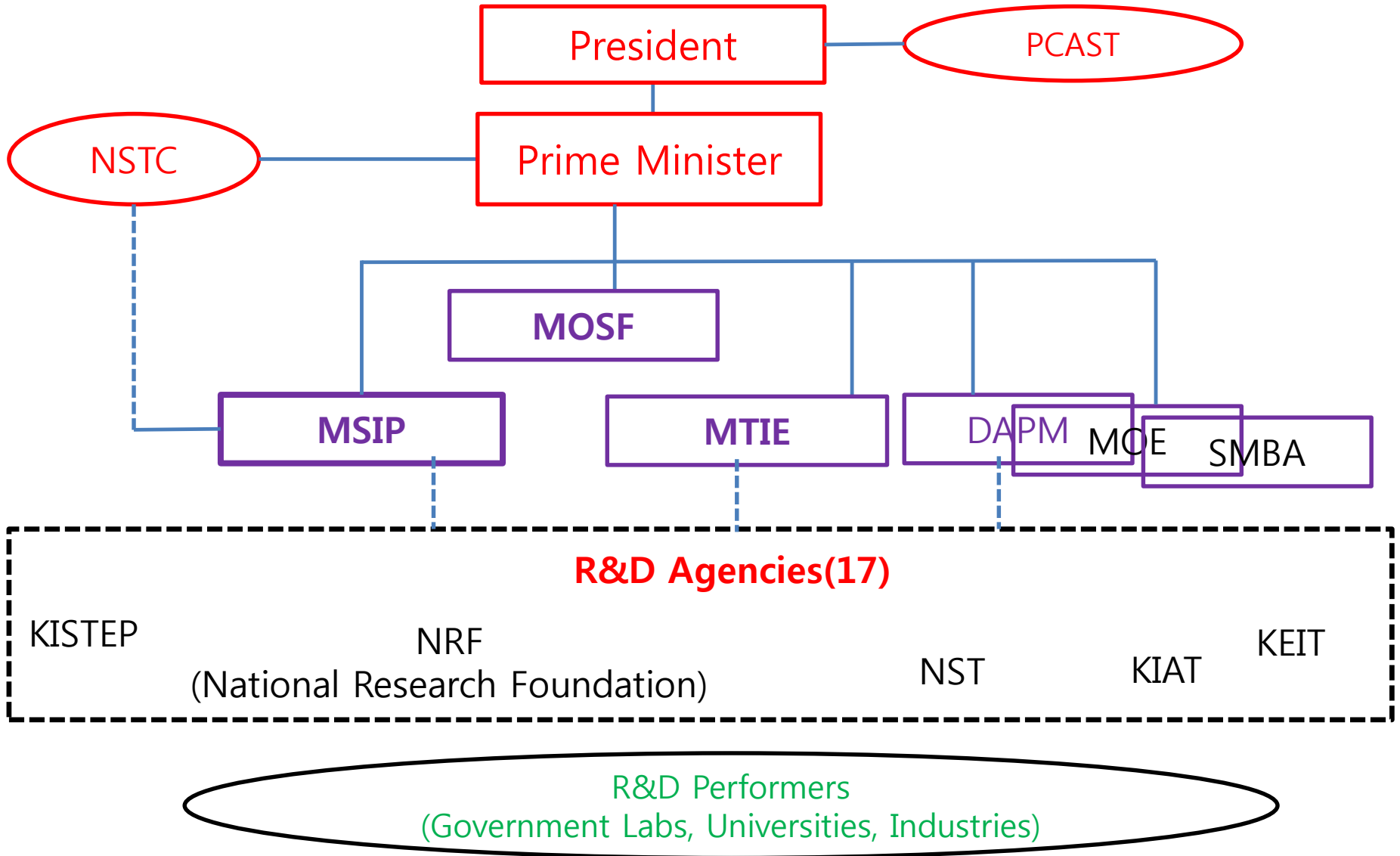
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Dr. Man Hyung Cho is a professor of public administration at Hannam University in Korea since 1992.

He graduated from Syracuse University with a doctoral degree majoring in public administration.

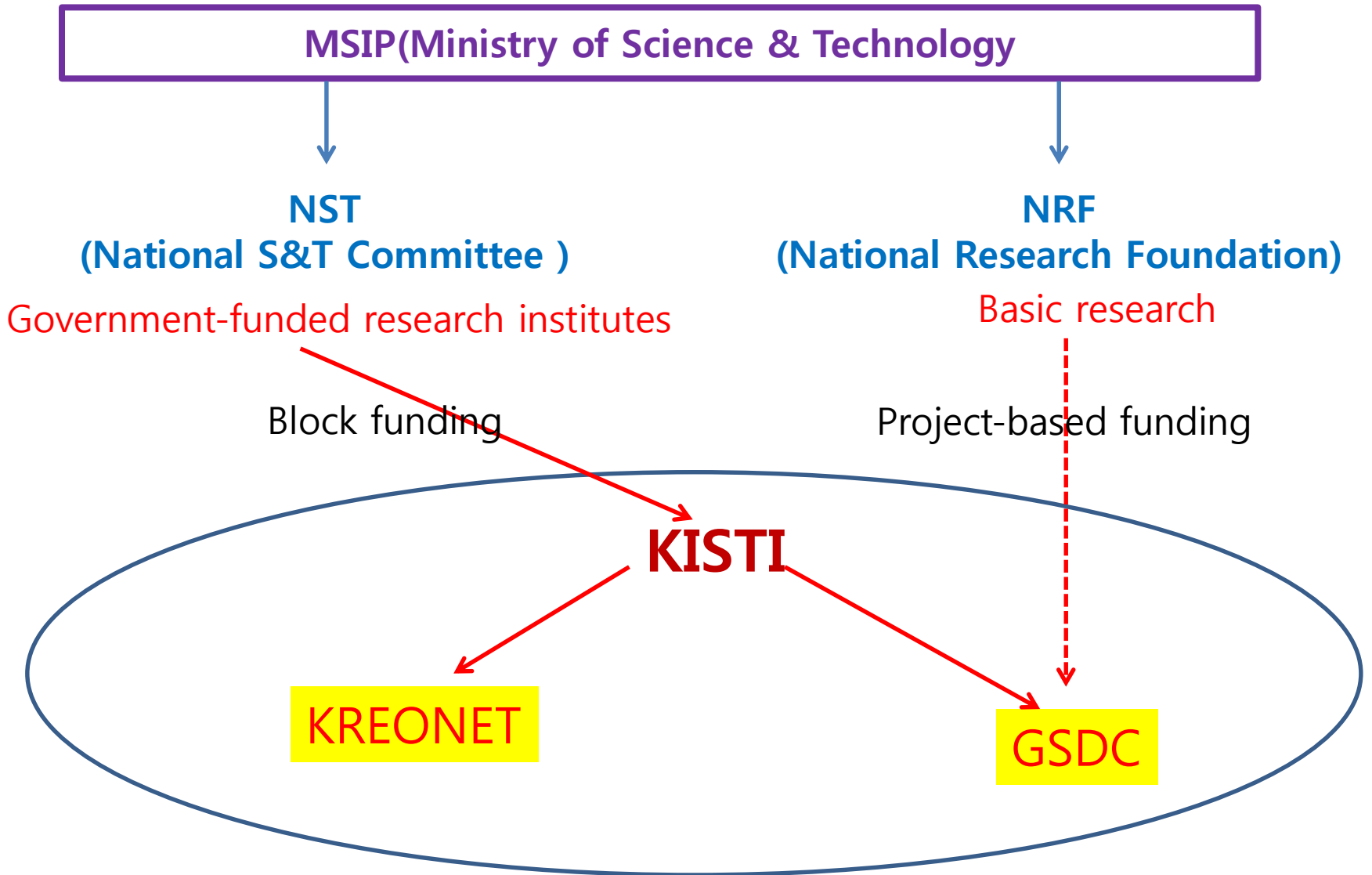
His research has focused on public policy specializing in science & technology policy. He has served as an member for a couple of government committees such as National Research Foundation

S&T Policy Governance Structure



MOSF = Ministry of Strategy & Finance

Funding Structure



**Research
Communities**

ALICE
CMS
LIGO
RENO
Genetics



**KISTI
Data Center**

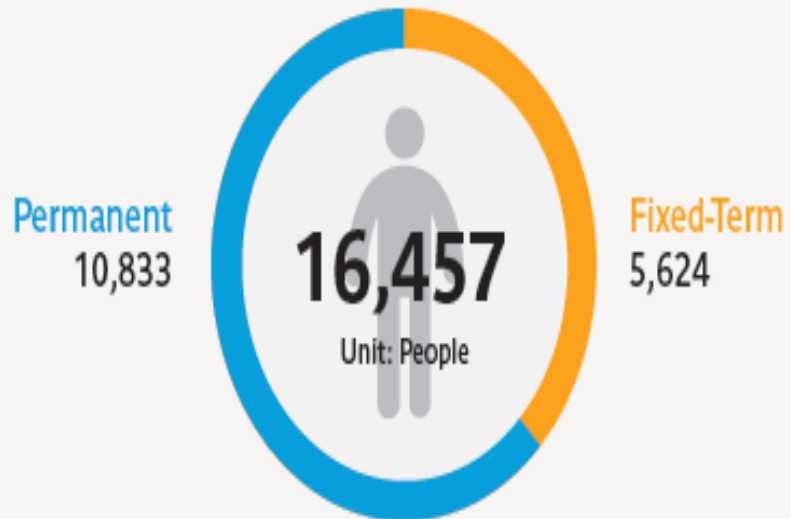
GSDC

Government-funded Research Institutes (GRI)

**KIST is the first GRI in Korea
25 GRIs in 2016**

1959. 02. 03 | Korea Atomic Energy Research Institute
1962. 01. 01 | Korea Institute of Science & Technology Information
1966. 02. 10 | Korea Institute of Science & Technology
1974. 09. 13 | Korea Astronomy & Space Science Institute
1975. 12. 24 | Korea Research Institute of Standards & Science
1976. 05. 10 | Korea Institute of Geoscience & Mineral Resources
1976. 09. 02 | Korea Research Institute of Chemical Technology
1976. 12. 29 | Korea Electrotechnology Research Institute
1976. 12. 30 | Electronics & Telecommunications Research Institute
1976. 12. 30 | Korea Institute of Machinery & Materials
1977. 08. 16 | Korea Institute of Energy Research
1983. 06. 11 | Korea Institute of Civil Engineering & Building Technology
1985. 02. 01 | Korea Research Institute of Bioscience & Biotechnology
1987. 12. 31 | Korea Food Research Institute
1988. 08. 01 | Korea Basic Science Institute
1989. 10. 10 | Korea Aerospace Research Institute
1989. 10. 12 | Korea Institute of Industrial Technology
1994. 10. 10 | Korea Institute of Oriental Medicine
1996. 03. 02 | Korea Railroad Research Institute
2000. 01. 01 | National Security Research Institute
2002. 01. 01 | Korea Institute of Toxicology
2005. 10. 01 | National Fusion Research Institute
2007. 04. 27 | Korea Institute of Materials Science
2010. 01. 01 | World Institute of Kimchi
2013. 02. 01 | Green Technology Center

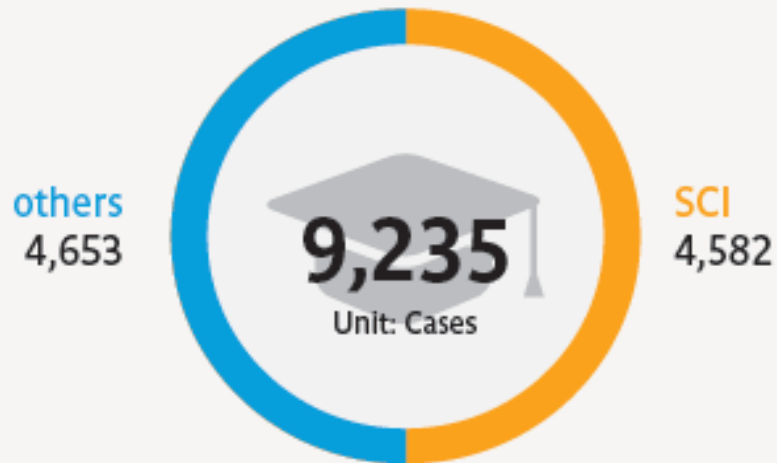
Human Resources (2013)



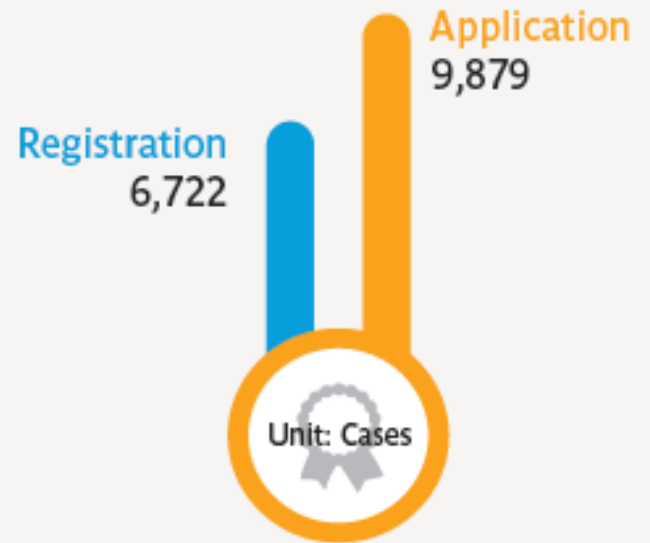
Budget (2013)



Publication (2013)

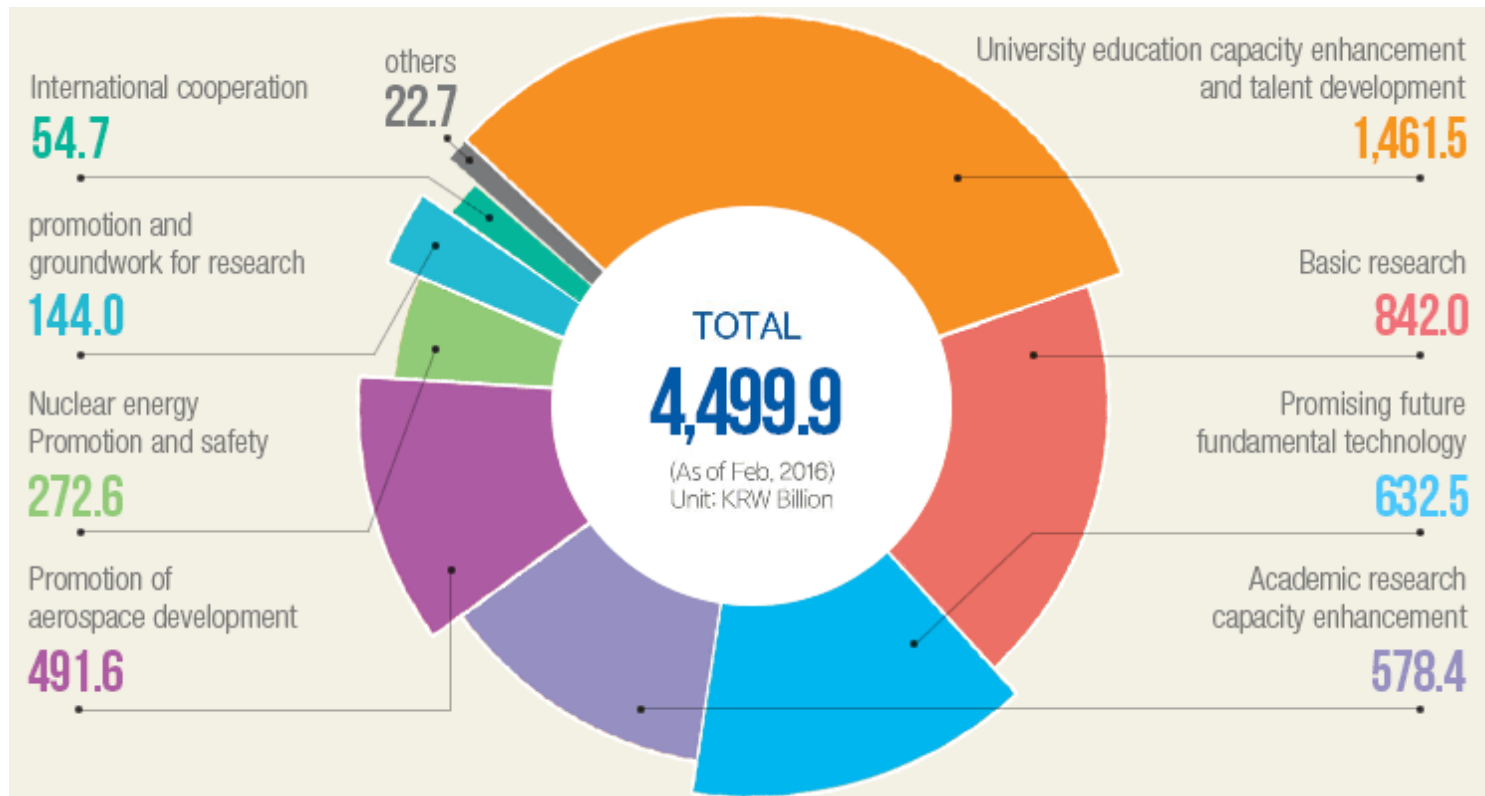


Patent (2013)



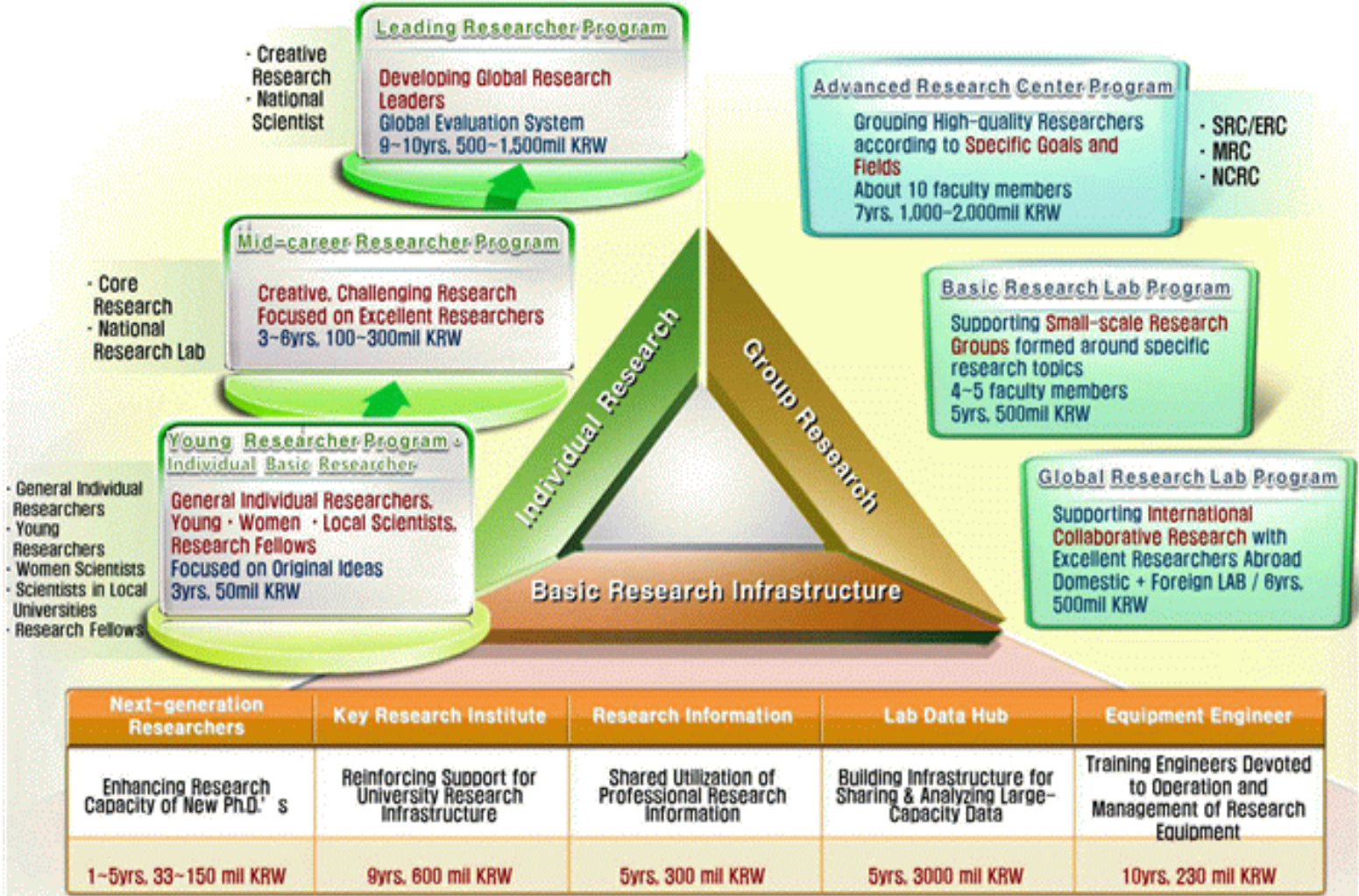
Support for University Research

Budget (NRF, National Research Foundation of Korea)



4,499,9 KRW bil. = 4 USD bil.

NRF Programs for Basic Research



(In one million KRW)

Program Title	2014 Budget (A)	2015 Budget (B)	Increase/decrease	
			B-A	%
Total	1,028,033	1,080,792	52,759	5.1%
【Individual Research】	832,600	881,781	49,181	5.9%
○ Young Researcher	141,937	142,500	563	0.4%
– Young Researchers	103,860	105,860	2,000	1.9%
– Women Scientists	28,077	30,990	2,913	10.4%
– Young-Mentoring	10,000	5,650	△4,350	△43.5%
○ Individual Basic Researcher	290,500	294,250	3,750	1.3%
– General Individual	230,750	237,050	6,300	2.7%
– Less Favored	1,500	1,250	△250	△16.7%
– Research Fellows	33,250	31,200	△2,050	△6.2%
– Scientists in Local Universities	25,000	24,750	△250	△1.0%
○ Mid-career researcher	348,795	388,295	39,500	11.3%
– Core Research	192,573	229,992	37,419	19.4%
– National Research Lab	156,222	158,303	2,081	1.3%
○ Leading Researcher	51,368	56,736	5,368	10.5%
– Creative Research	46,368	51,736	5,368	11.6%
– National Scientist	5,000	5,000	–	–
【Group Research】	146,485	148,864	2,379	1.6%
○ Advanced Research center	103,471	105,850	2,379	2.3%
– SRC	26,633	19,951	△6,682	△25.1%
– ERC	33,488	33,303	△185	△0.6%
– MRC	29,950	33,100	3,150	10.5%
– NCRC	13,400	14,200	800	6.0%
○ Basic Research Lab	20,500	20,500	–	–
○ Global Research Lab	22,514	22,514	–	–
【Basic Research Infrastructure】	48,948	50,147	1,199	2.4%
○ Fostering Next-Generation Researchers	17,190	16,850	△340	△2.0%
– Post-doctoral training in Korea	3,960	3,300	△660	△16.7%
– Post-doctoral training abroad	1,980	1,650	△330	△16.7%
– Presidential Post-doctoral Fellowship	11,250	11,900	650	5.8%
○ Key Research Institute	23,680	25,400	1,720	7.3%
○ Utilization of Research Information	2,280	2,167	△113	△5.0%
○ Global Lab Data Hub	3,028	2,829	△199	△6.6%
○ Research Equipment Engineer Training	2,770	2,901	131	4.7%