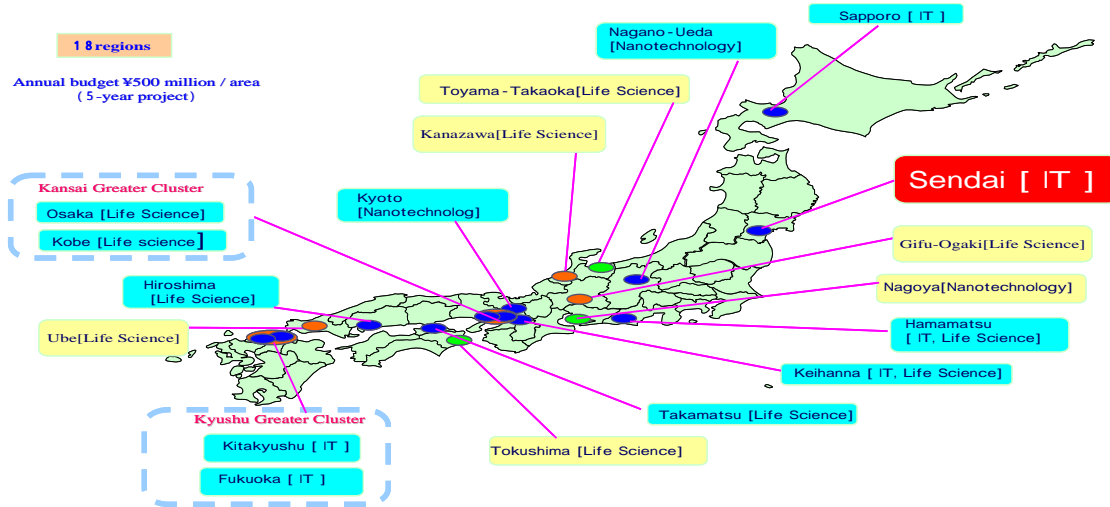
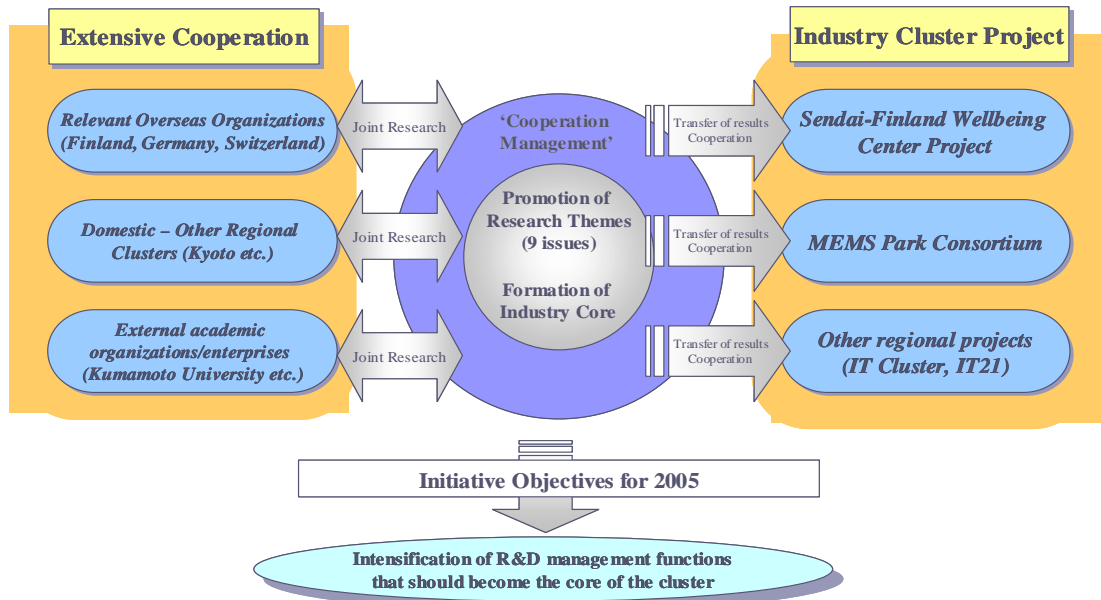


Knowledge Cluster Initiative

To create an innovative and internationally competitive regional base which agglomerates institutions, R&D industries and universities.



Sendai Knowledge Cluster Initiative – Objectives and Concepts for 2005



Themes	Research Representatives	Participating Organizations
Next-Generation Photonics (A world-first — controlling light)	Masataka Nakazawa Professor, Research Institute of Electrical Communication, Tohoku University	Advantest Laboratories, Ltd.
Management of Intelligent Security (Safety Management in ubiquitous environments)	Yoshiaki Nemoto Professor, Graduate School of Information Sciences, Tohoku University	Cyber Solutions Inc. Nippon Telegraph and Telephone East Corporation
Intelligent Communication Interface (Functions change according to the radio wave environment)	Kunio Sawaya Professor, Graduate School of Engineering, Tohoku University	Panasonic Communications Mobile Sendai R&D La. Co., Ltd. NEC TOKIN Corporation The Kansai Electric Power Co., Inc.
Intelligent Monitors (Catching the subtle movements of humans)	Hikaru Inooka Visiting Professor, New Industry Creation Hatchery Center, Tohoku University	I.T. Research Co., Ltd. IRISOHYAMA Inc.
Intelligent Universal Communications (The norm in hearing aids will change)	Yoichi Suzuki Professor, Research Institute of Electrical Communication, Tohoku University	NEC TOKIN Corporation Tsuken Electric Ind Co., Ltd. Oi Electric Co., Ltd. RION Co., Ltd.
Next-Generation Microsystems (Enhancing the functions and productivity of MEMS)	Masayoshi Esashi Professor, New Industry Creation Hatchery Center, Tohoku University	MEMS Core Co., Ltd.
Next-Generation Circuit Systems (Super-low power consumption)	Tadahiro Omi Visiting Professor, New Industry Creation Hatchery Center, Tohoku University	ZEON Corporation
Intelligent Semiconductor Processing (Manufacture of oxide semiconductors)	Kouichi Haga Professor, Department of Electronic Engineering, Sendai National College of Technology	Tachibana Riko Co.
Intelligent Multiband Antennae (3-band GPS antennae)	Takayasu Shiokawa Professor, Department of Electrical Engineering Information Technology	Japan Radio Co., Ltd. Pioneer System Technologies, Co., Ltd.