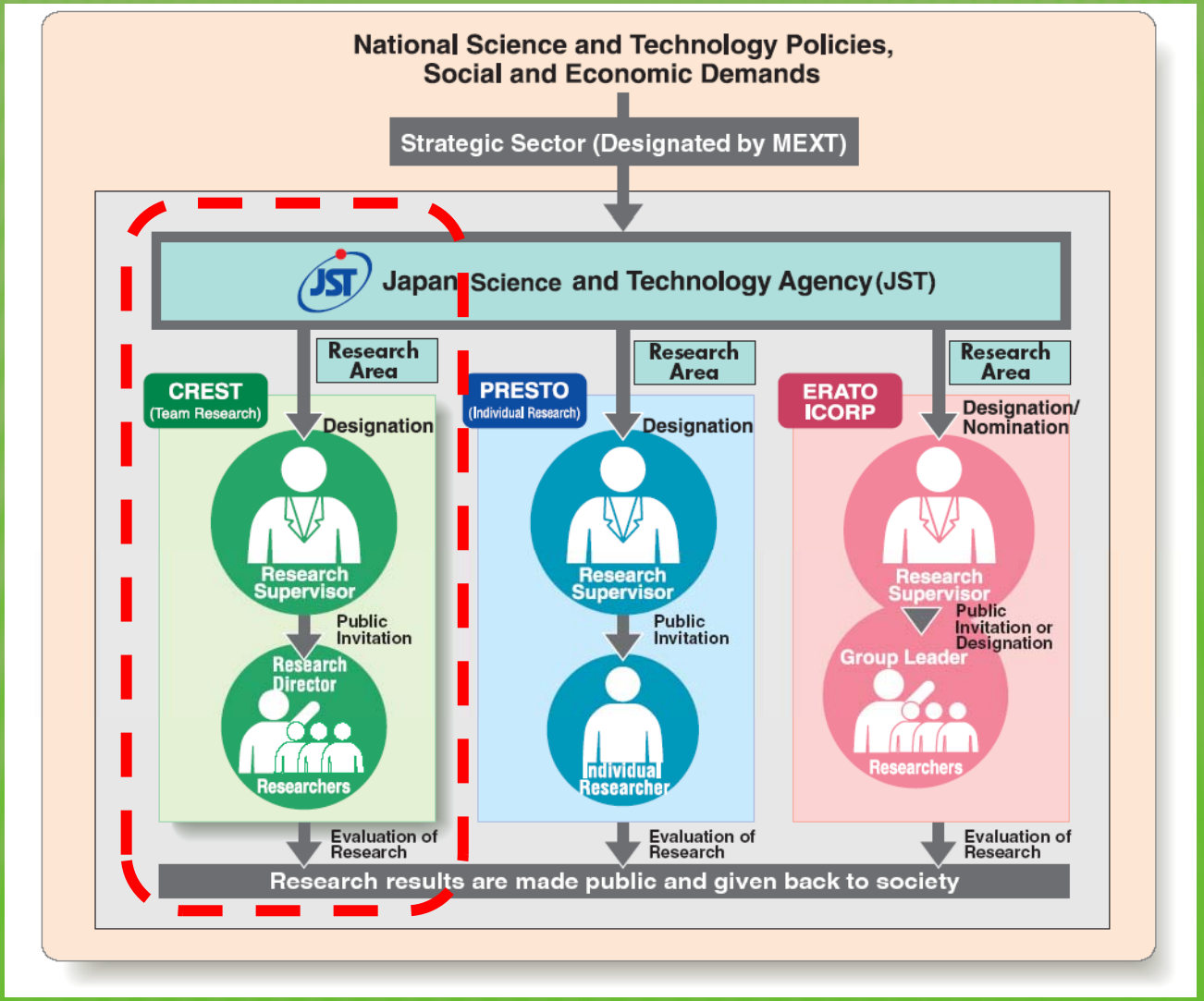
CREST

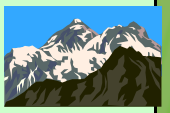
Core Research for Evolutional Science and Technology

Department of Inclusive Research Administration

WHAT IS CREST？ *ONE OF JST BASIC RESEARCH PROGRAMS*



WHAT IS CREST？ *ONE OF JST BASIC RESEARCH PROGRAMS*

Program	Type of Promotion	# of Teams/ Researchers in a Research Area	Annual Budget per Team/Researcher (year)	Research Period (year)
 CREST (1995-)	Research Supervisor & Research Teams	10~15	0.4~1.3 M$ (including indirect costs)	up to 5
 PRESTO (1991-)	Research Supervisor & Individual Researchers	15~25	~ 0.1 M$ (Not including indirect costs)	3 or 5
 ERATO (1981-)	Research Director & His/Her Operating Research Groups	Director: 1 Gr. Leader: 3~4 Post-docs: 10~15	< 3 M$ (Including indirect costs)	5

WHAT IS CREST? : OUTLINE

- Launched in October 1995
- Budget size = nearly **45%** of Basic Research Programs, **20%** of the entire JST budget
- CREST promotes team-based research projects under "**Research Areas**"
- JST determines **Research Area** in accordance with **Strategic Sector**, designates "**Research Supervisor,**" and act as a program manager
- 270 research projects under 27Research Areas ongoing.
- 501 research projects and 32 Research Areas completed (Mar. 2009)

WHAT IS CREST? : KEY CONCEPTS

- For creation of “Innovation seeds”

  CREST aims to create technological "seeds" which are useful for industry and society.

- Strong leadership: Research Supervisor (transformative researches)

  Research Supervisor is responsible to management of Research Area including ex ante evaluation, with the aid of Area Advisors.

  → not “peer review” or “collegial system”

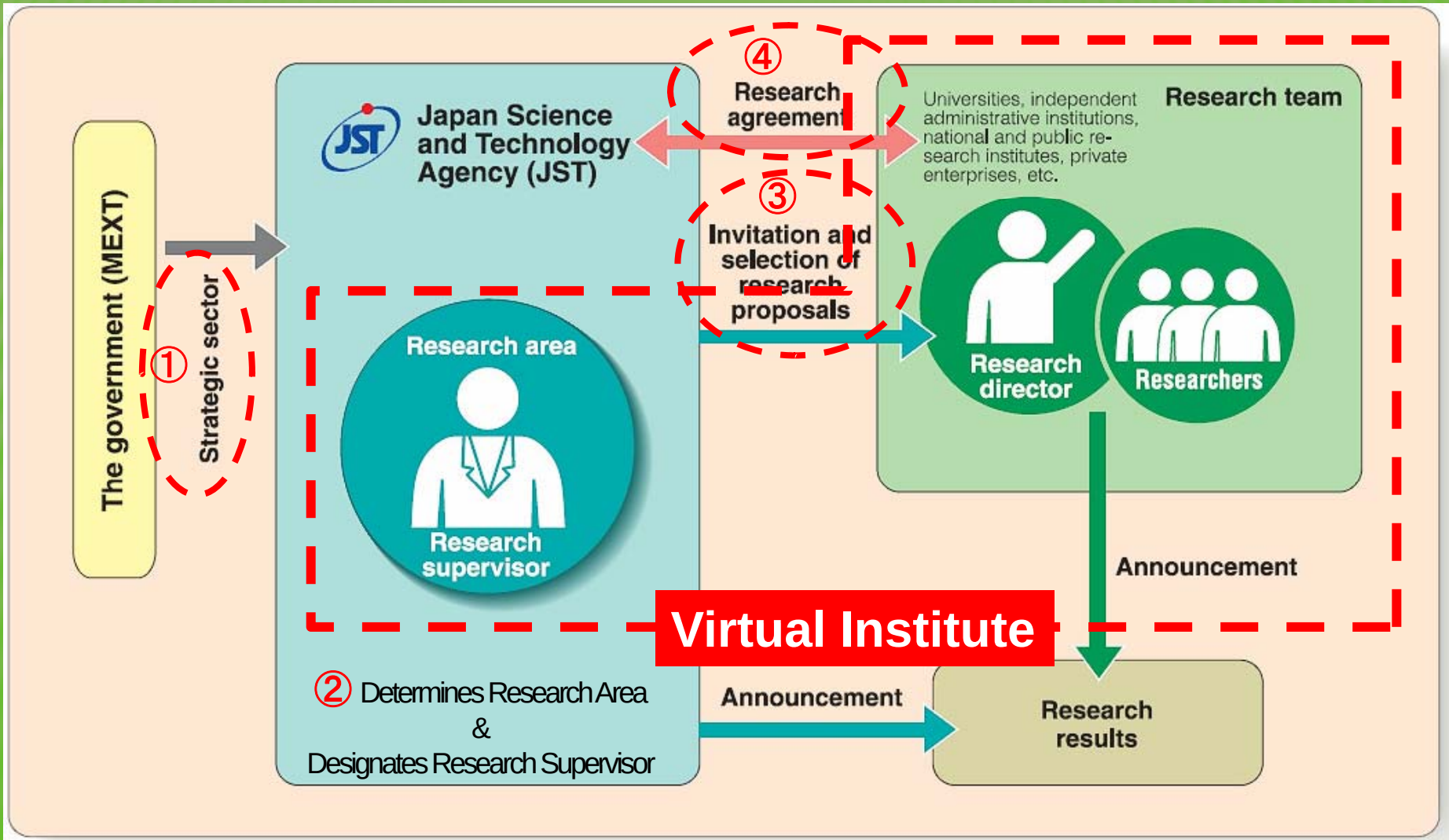
- Strong leadership: Research Director (heterogeneous conglomerate)

  Research Director proposes his/her own idea and makes up a team by gathering necessary collaborators from various institutes in order to implement the project.

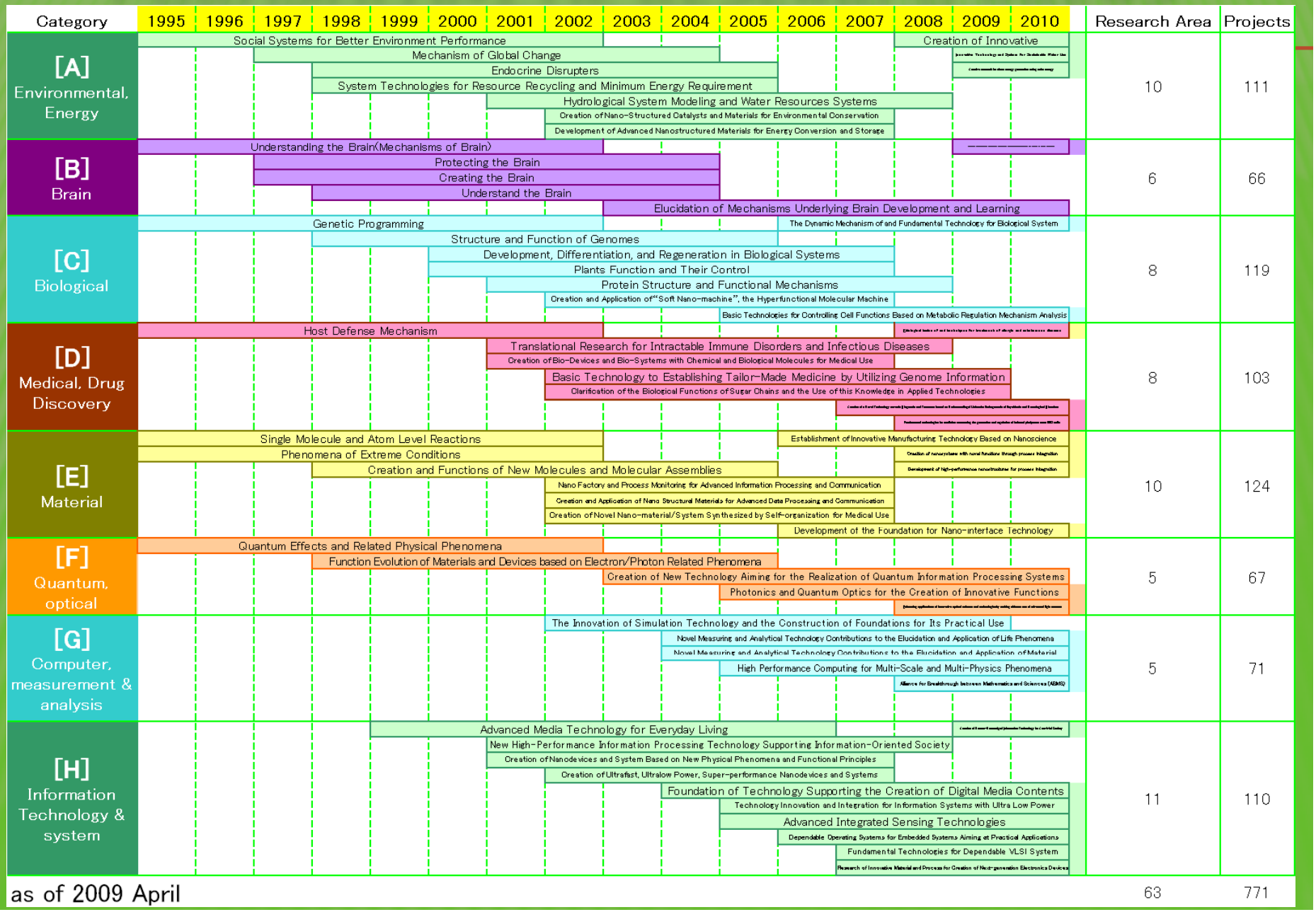
- “Flexible” management system (Virtual Institute)

  Depending on research progress or unexpected situations, Research Supervisor can allocate additional budgets, order reorganization of teams, connect teams in Research Area, or even terminate the project any time when necessary.

FLOW OF CREST



CHRONOLOGY OF RESEARCH AREAS



FOR BETTER CREST OPERATION

- Designation of Research Supervisors
- Ex ante evaluation
- Management of Projects
- Management of Research Areas
- Handling outcome from Projects (how to utilize them? Where to bring them next?)
- Better fund operation
- And more…