

Evaluation criteria for National R&D Agency, Institute of Physical and Chemical Research (Draft)

The underlined parts are the revised parts.

Item	Evaluation Criteria	Remark (Related Evaluation/Monitoring Indicators, etc.)
3.1 Establishment and operation of the research institute management system to maximize R&D outcomes and create innovation	<p>Reinforcing the system and function to support management under the president's leadership</p> <p>Improving the research environment and fostering outstanding researchers to produce the world's best research outcomes</p> <p>Promoting social return of research outcomes through close collaboration with related organizations</p> <p>Exploiting and creating new science to support sustainable innovation in Japan</p>	<p>○ Establishment and operation of a corporate management system serving as the model for other national R&D agencies to maximize R&D outcomes and create innovation under the leadership of the president</p> <p>○ Suitable response to requests by the competent minister pursuant to Article 7 of the Act on Special Measures (only if said case is present)</p> <p>(Evaluation indicator)</p> <ul style="list-style-type: none"> • Analysis of social needs in Japan; appropriate evaluation of corporate management; and based on these, progress of improvement of corporate management under the leadership of the president • Improvement of research environment including personnel system reformation, recruitment of diversified and outstanding human resources, establishment and operation of the system to facilitate women and foreigners to work, and establishment of research support function • Acceptance and fostering of researchers in Japan and abroad; and acceptance of students • Collaboration with overseas research institutes • Distribution of research outcomes; and approach to outreach activities • Collaboration status between industrial sector and universities is same as the relationship between the organizations, and it is same with the status of the social return and etc. of the research outcome led by such collaboration • Progress status of the intellectual property management and the venture businesses creation and development • <u>Status of the efforts for strengthening the innovation creation through the works such as investment</u> • Status of the efforts for exploring and creating new science, and achievement of the revolutionary seeds born from such science etc. <p>(Monitoring indicator)</p> <ul style="list-style-type: none"> • No. of permanent employees • Proportion of foreign and female researchers and No. of research assistants • No. of young researchers in Japan and abroad; and No. of university students accepted • No. of papers published in academic paper magazines; and indexes for the quality of papers (No. of top 10% cited papers, etc.) • No. of outreach activities • No. of collaboration with domestic and foreign external research institutes, and collaborative projects • Status of funding from the private business operators for large scaled collaborative researches, No. of patents (application, registration), practical application ratio of the patents owned for 10 years or more, No. of the venture businesses originated from RIKEN • Status of activities of the researchers (senior researchers) related to the exploration and creation of the new science, with excellent research experiences, exalted ideas and initiatives, and No. of the integrative researches across organizations and fields etc.
3.2 Promoting of strategic R&D based on national strategies, etc.	<p>Advanced intelligence projects</p> <p>Theoretical and mathematical sciences</p> <p>Medical sciences</p> <p>Bio-functional science</p> <p>Brain and neuroscience</p>	<p>○ Strategic promotion of R&D based on the mid to long-term objectives/plan to meet national and social needs designated in the Science and Technology Basic Plan</p> <p>○ Creation of world's best R&D outcomes; and social return of these outcomes</p> <p>○ Appropriateness of R&D management for maximizing R&D outcomes</p> <p>○ Suitable response to requests by the competent minister pursuant to Article 7 of the Act on Special Measures (only if said case is present)</p> <p>(Evaluation indicator)</p> <ul style="list-style-type: none"> • Progress of strategic R&D in individual fields focusing on major R&D themes set in the mid to long-term objectives/plan • Creation of world's best R&D outcomes and social return of these outcomes • Management concerning the progress of R&D etc.

	Sustainable resource science Emergent matter science Advanced photonics Accelerator science		(Monitoring indicator) • No. of papers published in academic paper magazines; and indexes for the quality of papers (No. of top 10% cited papers, etc.) • No. of patents (application, registration); acceptance of external funds; and No. of collaborations (joint research, etc.) etc.
3.3 Establishment, operation and upgrading of the world's most advanced research infrastructure	Computational science Synchrotron radiation science Bio-resource research	○ Promotion of the operation, sharing, enhancement and application of R&D infrastructure based on the mid to long-term objectives/plan ○ Creation of outstanding research outcomes for enhancement and application as a research institute; and social return of these outcomes ○ Creation of outcomes to contribute to the development of S&T or socioeconomic by sharing R&D infrastructure with external organizations ○ Appropriateness of R&D management for maximizing R&D outcomes ○ Suitable response to requests by the competent minister pursuant to Article 7 of the Act on Special Measures (only if said case is present)	(Evaluation indicator) • Progress of the operation, sharing, enhancement and application of R&D infrastructure focusing on major themes set in the mid to long-term objectives/plan • Creation of outstanding R&D outcomes for enhancement and application and social return of these outcomes • Creation of outcomes resulting from sharing with external organizations • Management concerning the progress of research on the operation, sharing, enhancement and application of R&D infrastructure etc. (Monitoring indicator) • No. of sharing cases, etc. • No. of papers published in academic paper magazines; and indexes for the quality of papers (No. of top 10% cited papers, etc.) • No. of patents (application, registration); acceptance of external funds; and No. of collaborations (joint research, etc.) etc.