

Examples of indicators at project level

<i>Project Activity</i>	<i>Output indicator</i>	<i>Outcome indicators</i>	<i>Impact indicators</i>	<i>Source of information</i>	<i>Timing</i>
<i>Research collaboration</i>	Publications (quantitative) New staff, students, employees linked to project/theme (quantitative) New methods, services, products (quantitative/qualitative) Co-authorships (quantitative) New joint proposals/projects (quantitative) New theories, practices, trans-disciplinary activities (qualitative)	Changes to research programmes of organisations (qualitative) Increased collaborations (quantitative) Higher-research ranking (quantitative) Increased reputation (qualitative) Access to additional R&I funding (quantitative)	New research trajectories / new areas of research (quantitative/qualitative) Solutions to challenges (qualitative) international profile (quantitative/qualitative) Increased long-standing collaborations (quantitative/qualitative)	Monitoring/questionnaire	Interim/ex-post
<i>Research collaboration Academia – industry</i>	Industry/academia co-publications (quantitative) Prototypes of new methods/products/services (quantitative/qualitative) Patents, licenses, leasing, etc. (quantitative)	New methods/products/services (quantitative/qualitative) Spin-offs (quantitative/qualitative) Market share figures (quantitative/qualitative) Commercial returns – turnover – employment (quantitative) Reduced operating costs (quantitative)	Solutions to challenges (qualitative) Increased industry competitiveness (quantitative/qualitative) Improved business models (qualitative)	Monitoring/questionnaire	Interim/ex-post
<i>Results dissemination Science-society</i>	Raising awareness in society (quantitative/qualitative)	Change consumers behaviour (quantitative/qualitative)	More informed / concerned citizens (quantitative/qualitative)	Monitoring/questionnaire	Interim/ex-post
<i>Research collaboration</i>	Inputs to standards (qualitative)	White papers, draft regulations (quantitative/qualitative)	Solutions to challenges (quantitative/qualitative)	Questionnaire	Ex-post

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<i>Dissemination to policy</i>		Changes in policies / regulations (quantitative/qualitative)	Improved policy-making (qualitative) Improved service quality (qualitative) Reduced environmental impacts (quantitative/qualitative)		
<i>Capacity building Training / knowledge transfer</i>	Training schemes/activities (quantitative/qualitative); Masters/PhD students (quantitative); Conferences, workshops, seminars (quantitative/qualitative)	Improved capacities at organisational level (quantitative/qualitative) Changes to human resources Organisational changes (quantitative/qualitative)	Improved national capacity / performance in specific area (quantitative/qualitative) New practices for research organisation (qualitative)	Monitoring/ questionnaire	Interim/ ex-post