

Examples of indicators at P2P partnership level

Activity	Sub-activity	Output indicator	Outcome indicators	Impact indicators	Source of information	Timing
<i>Mapping national/trans-national activities</i>	Mapping workshops/ meetings	Number of attendees (quantitative) Quality of report/ deliverable (qualitative) Programme clustering (qualitative)	Identification of common areas of interest (qualitative)	Critical mass of research in certain areas (both quantitative & qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Foresight and common vision</i>	Foresight exercise Vision building workshop	Number of attendees (quantitative) Quality of report/deliverable (qualitative)	Identification of common areas of interest (qualitative)	Informs national and European policies (qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Strategic Research Agenda (SRA) / Implementation Plan</i>	Interaction with Advisory Board & Stakeholders Specific surveys	Number of attendees (quantitative) Quality of discussions (qualitative) Quality/level of approval of SRA (qualitative)	Identification of themes for calls (qualitative) Changes in research priorities of agencies (qualitative) Alignment of research strategies (qualitative)	Specific strategies for certain areas (qualitative) Influence national strategies/policies/ programmes (qualitative) Changes in national budgets (quantitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Joint calls</i>	Building a portal Call management Evaluation of proposals	User-friendliness of portal (quantitative & qualitative) Number of proposals submitted/approved (quantitative) Time to contract (quantitative)	Promotion of research area at national levels (quantitative) Change of national rules, Timings (qualitative) Multinational evaluation schemes (qualitative)	Common rules, procedures, timing, and evaluation panels (qualitative) Changes in legislation to allow payments to foreign researchers (qualitative)	Monitoring/ questionnaire	Interim/ ex-post

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<i>Research Infrastructures</i>	Shared use of infrastructure Building new infrastructure	Hours of shared usage (quantitative) Quality of joint use (qualitative) New rules and procedures for new infrastructure (qualitative)	Increased efficiency in use of infra (quantitative) Increase use of infra (quantitative)	Harmonised rules and timing in participation (quantitative qualitative) Harmonisation in research processes/ data (qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Stakeholder involvement</i>	Advisory Board membership SRA involvement Proposal evaluation	Composition of governance structures (quantitative) Share of industry/society in Advisory Board, other structures (quantitative)	More relevant research to stakeholders' needs (qualitative)	Increased stakeholder participation in national/ European decision-making (quantitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Dissemination/ Up-take of research results</i>	Website Newsletter Academic papers Brokerage events	Number of hits (quantitative) Number of recipients (quantitative) Number of conferences (quantitative) Number of highly-ranked papers Number of attendees (quantitative)	Number of papers with new counterparts New proposals in funding programmes (quantitative qualitative)	Spin-out companies for commercialisation (quantitative & qualitative) New collaborations (quantitative & qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Widening participation</i>	Conferences/Workshops Signing of Memoranda of Understanding	New partners (quantitative) Increased budgets (quantitative)	Better success rates of widening countries in H2020 (quantitative)	Increased research performance of widening countries (quantitative qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Internationalisation</i>	Conferences/Workshops Signing of Memoranda of Understanding	New partners (quantitative) Increased budgets (quantitative)	New international proposals (quantitative qualitative)	New collaborations (quantitative qualitative)	Monitoring/ questionnaire	Interim/ ex-post

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<i>Monitoring and evaluation (M&E)</i>	Set up M&E system	Quality of M&E reports Budget allocated (quantitative)	Informed decision-making (qualitative) Improved partnership operation (quantitative & qualitative)	Improved engagement of P2P partners Engagement of new partners	Monitoring/ questionnaire	Interim/ ex-post
<i>Capacity building in national agencies</i>	Internal training Exchange visits	Number of events/ schemes (quantitative) Participants/attendees at events (quantitative)	Increase of expertise in coordination/ collaboration (qualitative)	Improved rules and procedures at national level (qualitative)	Monitoring/ questionnaire	Interim/ ex-post
<i>Network health and connectivity</i>	Guidelines for collaboration	Formal/informal guidelines produced (qualitative)	Increased engagement in activities over time	Long-standing collaboration of partners	Monitoring/ questionnaire	Interim/ ex-post
	Governance structures	Memberships (quantitative qualitative)	Improved governance over time	Self-sustained P2P	Monitoring/ questionnaire	Interim/ ex-post
	Partnership sustainability	Resources availability (quantitative & qualitative)	Future intentions regarding collaboration (qualitative)	Changes in national budgets regarding international activities (quantitative)	Questionnaire	Ex-post