

1 **Supplementary Materials**

2 **The European joint programme on rare diseases: building the rare diseases**
3 **research ecosystem**

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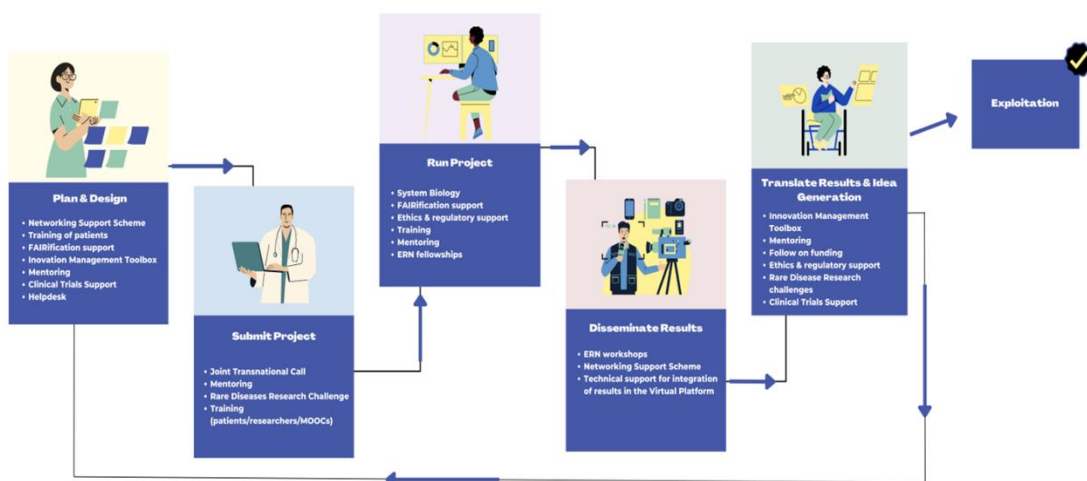
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24 **Supplementary Figure 1.** The EJP RD research support cycle shows the EJP RD
 25 services offered to the Rare Diseases community at all stages of the research project
 26 development.

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28 **Supplementary Table 1.** EJP RD funded projects fostering demonstration and
 29 innovation in clinical trials methodologies.

Call	Project title
Rare Diseases Research Challenge	CHALLENGE #1: Development of a non-invasive tool for measuring rare disease patient mobility in daily living è Digital tools 4 Rare Diseases (DT4RD)
	CHALLENGE #2: Delivery system for intranasal administration of biological drugs to neonates è Intranasal Device for Neonates (INDENEO)
	Challenge #4: Pre-clinical assay to detect instability of microsatellite repeat è Development and validation of a novel pre-clinical assay to detect triplet repeat expansions (TRXassay)
Clinical Trials Methodology Demonstration Projects	EBStatMax -State-of-the-art design and analysis for maximal success with minimal patient burden in Epidermolysis bullosa trials
	Improve PSP - Application of improved statistical methodologies for clinical trials in Progressive Supranuclear Palsy

	<p>EPISTOP-IDEAL - EPISTOP clinical trial data set re-use with statistical methodologies tailored for clinical trials in rare diseases</p>
<p>Innovation project in clinical trials methodology</p>	<p>iSTORE - Innovative Statistical Methodologies to Improve Rare Diseases Clinical Trials in Limited Populations</p>
	<p>EVIDENCE-RND - Creating robust evidence for longitudinal progression changes and treatment effects in ultrarare neurological diseases: the case of multisystemic autosomal-recessive ataxias</p>