will provide benefits such as reducing the risk of data loss, improving data workflows and data availability and discovery, visibility of research outputs, attracting new collaborators and research partners, strengthening of the research environment and infrastructure. A data management plan (DMP) will be created by Project Coordinator in close cooperation with the partners and approved by the Steering Board at the start of Project. The DMP will follow the FAIR principles. The document will describe how to collect, organize, manage, store, secure, back-up, preserve, and where applicable, share data.

- **Innovation and IPR**: The Consortium will benefit from the innovation and technology transfer environment in place at EAWAG, which will examine for the individual case if an invention is patentable and if a patent application would be economical reasonable. Support is also available to assist the realization of innovative ideas into efficient business concepts. The necessary precautions will also be taken to protect the IPR of individual institutions. A Consortium Agreement will be signed prior to the beginning of the project to take into account the different interests of the partners, in particular how to treat pre-existing knowhow, the ownership of the results and the intellectual property rights in order to prevent conflicts during the project. The Steering Board will ensure that all innovations and generated data are exploited to the benefit of the involved partners.
- **Exploitation, including business models**: The project's results will be showcased in trade shows (e.g. WebSummit), by communicating through specialized trade press media, and also to a targeted audience (policy makers, funding agencies, industry and SMEs). A detailed business plan will prepared during the project work in collaboration with the SME and academic partners involved, with the ultimate goal of creating a Start-Up at the end of ROBHOOT. The value proposition of the project is develop computation discovery solutions for rapidly diversifying traits and complex interactions that improve the sustainability of exploited natural ecosystems.

Communication activities

ROBHOOT has very general communication targets, from scientists and decision-makers, to the business community and the public. ROBHOOT's general dissemination measures will focus on project results and stakeholder engagement through the following activities.

- **Scientific manuscripts and conference presentation**: High-impact scientific manuscripts are expected, together with the presentation of results in scientific conference, as well as organization of special sessions in international scientific and technological meetings.
- **Website**: A dedicated website and a public git ROBHOOOT repository, which is already available (ROBHOOT git repository), will be used for communicating results and sharing updated versions with all target audiences.
- **Hackatons and robhacks**: activities to attract multipliers and developers from the open-source community to the community who engage in data analytics and build hybrid evolutionary biology-inspired AI algorithms. Workshop: At the end of the project we will organize a workshop specifically on *Next generation evolutionary-biology AI inspired solutions for global sustainability challenges* for disseminating our results to a broad set of groups and experts in fields related to global sustainability for assessing future exploitation potential, inviting partners from academia as well as industry.
- **Testnet**: ROBHOOT will launch a testnet to help disseminate the main results of discovery in federated networks (Section 3.1.3). The launch will have invited NGO's and GO across disciplines and social, economical and technological sectors. The ROBHOOT Open Discovery Network will be launched as a Biodiversity and sustainability open discovery network to offer the solutions for the exploration of the Seas case study and to integrate additional public databases and data collections into the open discovery network to facilitate NGOs, GOs and other organizations transparency, reproducibility, and governance in ecosystem management.