networks.

Moreover, in WP3, we propose the generation of a web-based sustainability discovery portal that will allow researchers, NGO, managers and the public to train students in the discovery process to manage over-exploited ecosystems, allowing to scale up the number of people participating in the sustainability process by an order of magnitude thus mobilising forward thinking researchers and excellent young researchers to work together and explore what may become a new technology paradigm in sustainability research. Members of the consortium already have experience in generating such types of training tools that are currently available online (check github repository RobhooX). This approach would provide an unprecedented capability for the access to a multitude of people interested in sustainability discovery tools that will result in facilitating consensus and a valuable source of information for science-enabled technologies in ecosystem sustainability and management.

## 2.2 Measures to maximize impact

### Dissemination

- **The Plan for diseminating and exploiting the project results**: ROBHOOT allocates three research groups along its whole developmental life cycle to guarantee dissemination, transparency and easy exploitation of the technology **(when)**. **(what)** The three milestones of the project, data knowledge discovery, causal knowledge discovery and discovery in federated networks (Table 3.2a) will be fully automated and reproducible to facilitate visualization, reporting and full scalability. **(who)** Automated discovery will be implemented along Bayesian machine scientist to facilitate open-ended search during the development of the three milestones (Tables 3.1a-b). Reproducible knowledge discovery graphs will be developed in the Renku open-source software (Swiss Data Science Center, SDSC). Visualization and reporting will be fully implemented in the Julia computing language for its speed and unique features (SME, Codes will be available in the public git Robhoot repository. Having the whole developmental life cycle as reproducible and automated knowledge discovery graphs facilitates the reuse and the dissemination of the technology as a whole in any platform and OS. Full reproducibility, automation, visualization and reporting provide to ROBHOOT legal and financial transparency and reproducibility in social governance a feature for easy replication of the discovery process by third parties, a property that can be used to facilitate reporting for governance public policy, NGO, society and thinktank in the face of local and global sustainability challenges. **why, how and which journals, conferences and with which preliminary results**.

- All the data, codes and outputs generated during ROBHOOT development will be open access stored in public git repositories. The project will collect data from many sources (i.e., fisheries, environmental and social data, technology data). generate data knowledge discovery graphs, causal knowledge graphs and the data and algorithms generated from the discovery in federated networks for the sustainability of the Seas case study **Keep elaborating**

### Communication activities

- The full open-source developmental life cycle strategy of reproducibility, automation, and reporting generation of ROBHOOT targets the search of societal relevance and long-term economic impact of open and transparent science. Underlying to this strategy is to build support for future research and innovation funding, by ensuring uptake of results within the scientific community, and opening up potential business opportunities for novel products or services, and potentially contributing to better decision-making processes and valuable input for public policies formulation. ROBHOOT has very general dissemination targets, from scientists and decision-makers, to