The Telescope (Research Infrastructures Tracking) Pilot

Research Infrastructures (RI) are an essential component of research, critical both for innovation and economic development. Tracking RI contributes to improving reproducibility of research, an essential part of Open Science. Researchers need to know what equipment was used for a given experiment, and how to access it or what alternative equipment to use to reproduce an experiment. This can be made possible when research outputs are automatically linked to the equipment used to produce that research. This data, powered by a rich Research Infrastructure ontology supports Open Science and particularly reproducibility, allowing researchers to identify substitute/alternative equipment to replicate experiments, of find a potential collaborator that owns a certain instrument.

There is currently no solution available that allows stakeholders to address this issue. This pilot project therefore makes the first step. The envisioned solution will be based on a full-text mining approach (at a later stage informed by an open ontology of research infrastructures), enhanced by linking with other internal and external data sources. The aim of this pilot is therefore to connect research infrastructures and research outputs.

Elsevier and interested Dutch institutions are engaging in this pilot project to validate the feasibility of the full-text mining approach, as well as further confirming the value of the solution.

The Pilot will provide a standard report listing what scholarly outputs are linked to specific RIs. The report will provide insights on scientific production, academic impact, collaborations and, if data are available, technology transfer and economic impact. Institutions will subsequently provide feedback and a consolidated feedback report (plus improvements based on the feedback) will be made available to all institutions, the steering group and anyone interested in the outcomes of the pilot.

For more information of this Pilot, please see the [Statement of Work (SoW)](#) and the [Framework template document](#).

If your institution is interested to learn more about participation in this pilot, please contact Guillaume Warnan at g.warnan@elsevier.com