

"First steps towards the inclusion of data sharing in the researchers' evaluation scheme at the IIT"

Moschini U., Pasquale V., Molinari E.

Research Data Management / Data Analysis Office @ IIT

SHARC Session – RDA VP17 - 20 Apr 2021



The basis: awareness and transparency

- Be clear with researchers about the importance of organising research outputs, aside from evaluation aspects
- Be clear with researchers about which aspects/metrics are used in the evaluation processes

We need actual tools, not just policies



Current situation of the evaluation at IIT

Our researchers are currently evaluated using:

- Staff of the research group
- Publications and bibliometrics
- Budget received/ Grants won
- Patent applications

A tool allows researchers to see and manage in every moment their info



Current situation of the evaluation at IIT

It has been a long process:

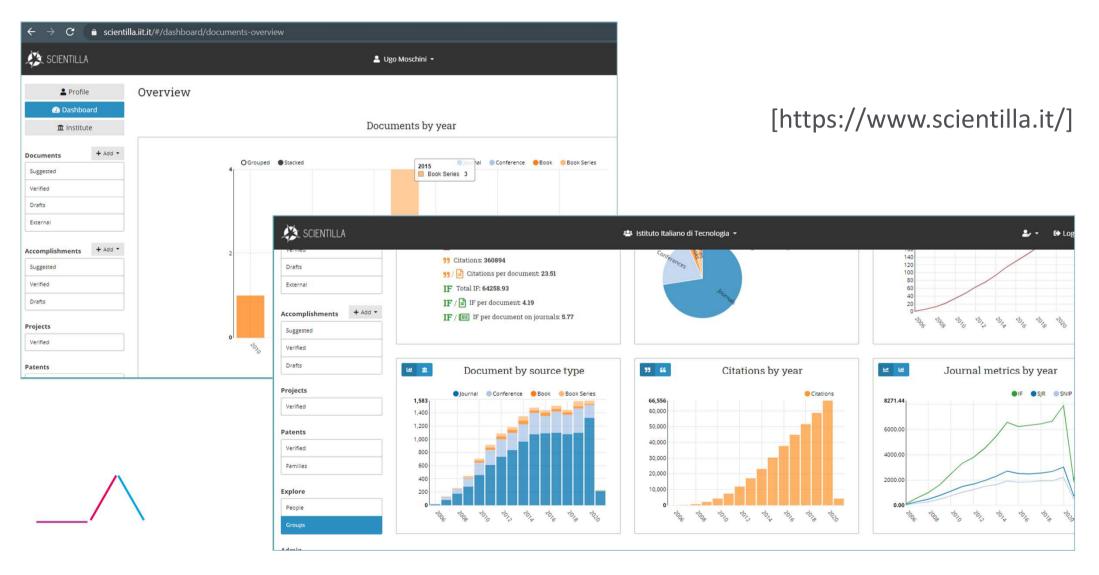
- Persuade researchers to use yet another tool!
- Make researchers feel responsible for the information they check and add to the tool
- Ease of use and build trust
- Increase interoperability among institutional and external systems not to miss any information

At IIT, we developed <u>SCIENTILLA</u>: a Current Research Information System (CRIS)





Current situation of the evaluation at IIT



On our way to add data sharing to the evaluation at IIT

- Selecting a data sharing tool: Dataverse [https://dataverse.org/]
- Dataverse will **be rolled out** at our institute **next month!**







Dataverse as a tool suitable for us

- We involved ten percent of our research groups in a pilot project
- We got detailed feedback from the researchers
- We scouted for other sharing tools to make comparisons with





Important features of Dataverse

- Open source: customization is possible to fit our needs
- Committed to FAIR principles!
- Used by research communities worldwide (68 installations up to now)
- Interoperability with our IIT systems
- Metadata support quite effective







At the same time: raising awareness

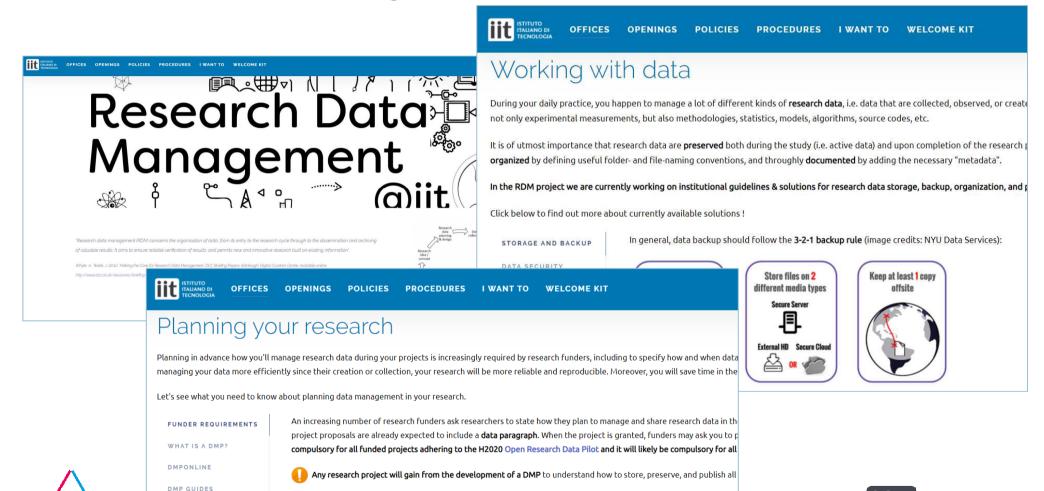
- **Strong campaigning** for proper Research Data Management (among researchers and management)
- RDM seminars and success stories
- Intranet pages and instructions about Open Science and Open Data

Benefits for reserchers have to be clearly stated!



At the same time: raising awareness

DATA PROTECTION



The long road to evaluating research data sharing

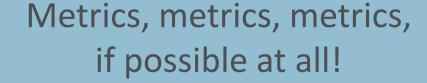
- Tools in place: Dataverse will communicate with Scientilla!
- Direct and visible connections from research data to publications
- Researchers will be able to tag which publications made use of a given dataset, maintaining and verifying the information
- Seeing datasets as research output closely linked to publications will ease the process of considering them part of the evaluation.





What we need to understand more and more

- Which metrics are available for measuring data sharing?
 E.g., random ideas: number of downloads, Data Management Plans quality, level of FAIRification, quality of publications, sharing the same datasets, ...)
- "Make Data Count" is a project to collect and standardize metrics on data use, especially views, downloads, and citations
- Dataverse is able to integrate Make Data Count
- Quantitative and qualitative points of view: it's always a mix!







Conclusions

- Importance of having actual tools enabling evaluation
- Importance of transparency, building trust, listening to feedback
- Evaluation and rewarding should be the last step of a long process
- That long process will anyway bring many benefits to the researchers





Let's discuss



ISTITUTO ITALIANO DI TECNOLOGIA

Sede Legale: Via Morego, 30 16163 Genova Uffici di Roma: Via Guidubaldo del Monte, 54 00197 Roma Tel. 010 2896 www.iit.it

LINKS

- "The challenge of measuring open research data" Elizabeth Gadd, Gareeth Cole
- Knowledge Exchange Openness Profile, Fiona Murphy DPhil, MMC consulting LTD Phill Jones PhD, Double L Digital LTD
- https://makedatacount.org/ : Responsible, meaningful approaches to research data assessment.
- https://scientilla.it/ : SCIENTILLA, spark your research!
- https://dataverse.org/ : The Dataverse Project



