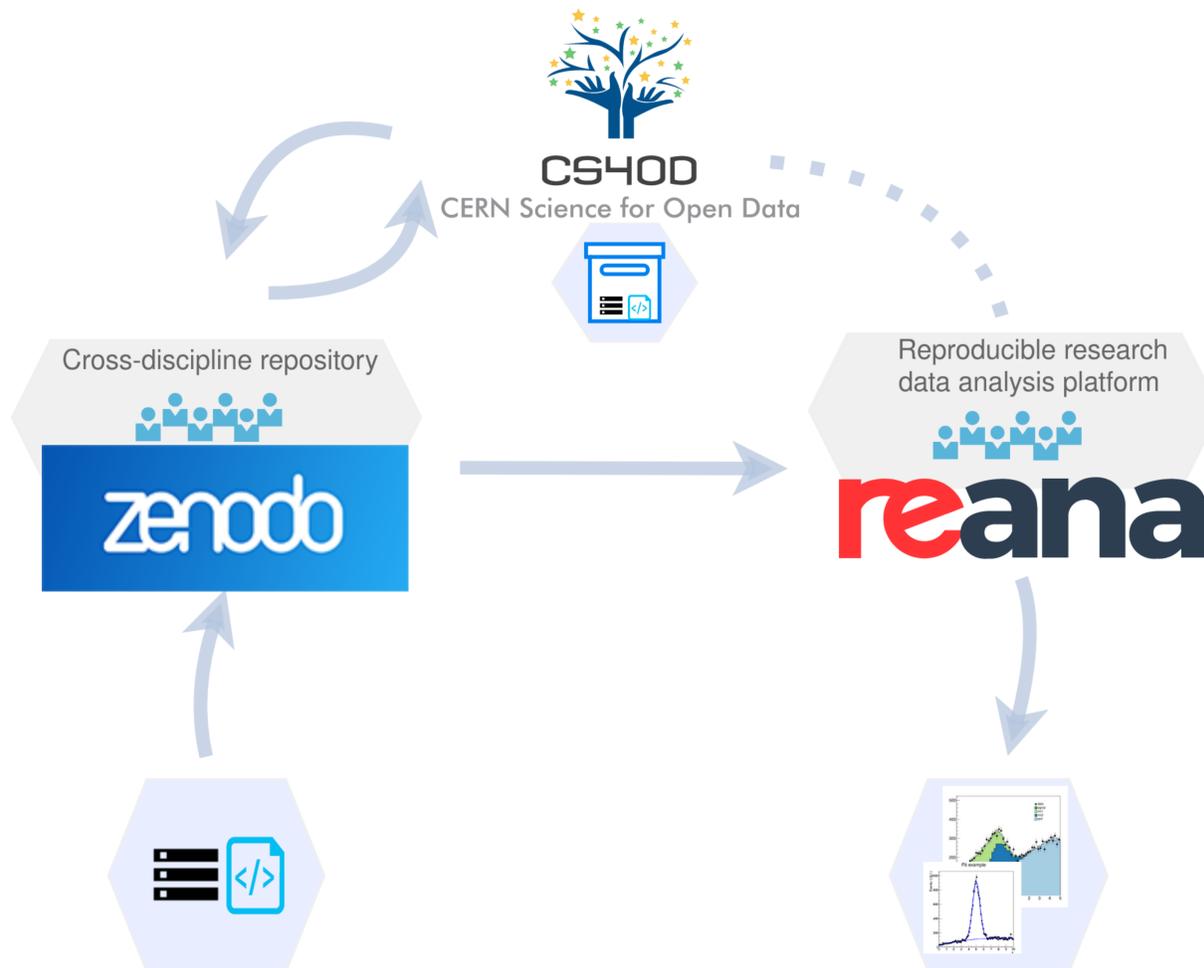


## What is reproducible research?

Can you reproduce your findings?  
 Have you tried to re-run your research after publishing?  
 Do you have the data, software or tools available to recreate your research?



Running the **same experiment** with the **same data** and obtaining **similar results**. Reproducibility of scientific research is **fundamental for scientific advance** and it is ensured by **documenting** all the processes of how the research is conducted. [6]

### Challenges

- Requirements for reproducible research differ from field to field. [3]
- Waste and inefficiency in the way research is designed, done, analysed, disseminated, among others. [4]
- Documentation, code, data that is not open-source, nor in open access repositories, or not even stored.
- Lack of time and ability to share research artifacts and resources.

### Actions

- Create a stable place to store code and data.
- Integrate REANA - a way to bring the code and data together in a reliable/repeatable way - with Zenodo.
- Aggregate all resources, store, share them and collaboratively work on a project - CS4OD platform. [5]



### Outcomes

- Enables future reuse of research material. [1]
- Accelerates future projects and discoveries in any field. [1]
- Preservation of information about the research, data, software, etc.
- Speedup multi-part collaboration in an easy to use environment.
- Replication of studies bring added value and reliability to any discovery. [2]

### References



[2]



[3]



[4]



[5]



[6]

