





https://o2r.info/

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## open reproducible research

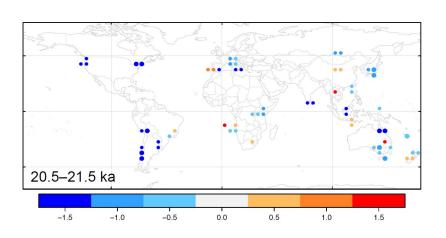
**Replicable research** refers to coming to similar conclusions based on an independent experiment.

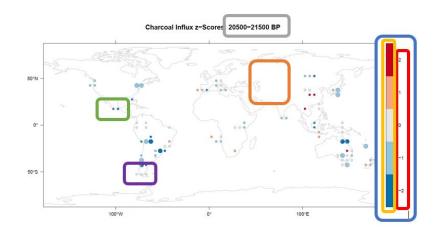
**Reproducible research** refers to achieving exactly the same results (e.g. tables, figures) as reported in the paper by using the same source code and data.

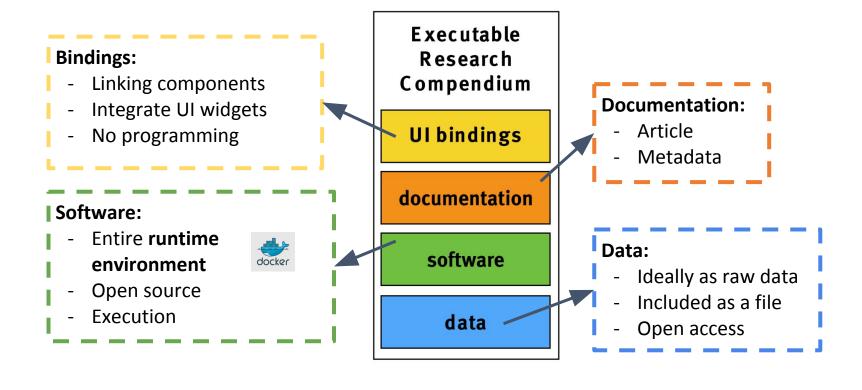
**Replicability & reproducibility** are essential for scientific work.

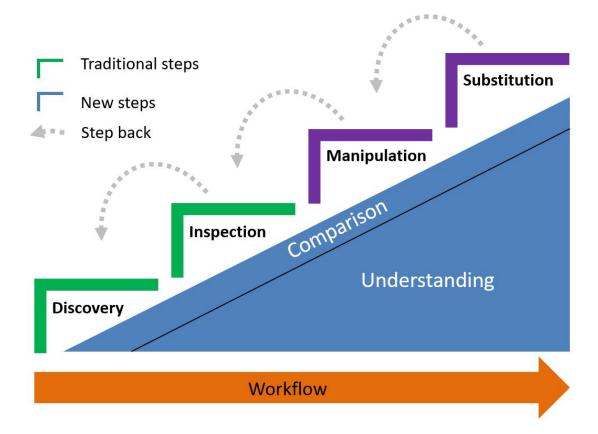
## Issues?

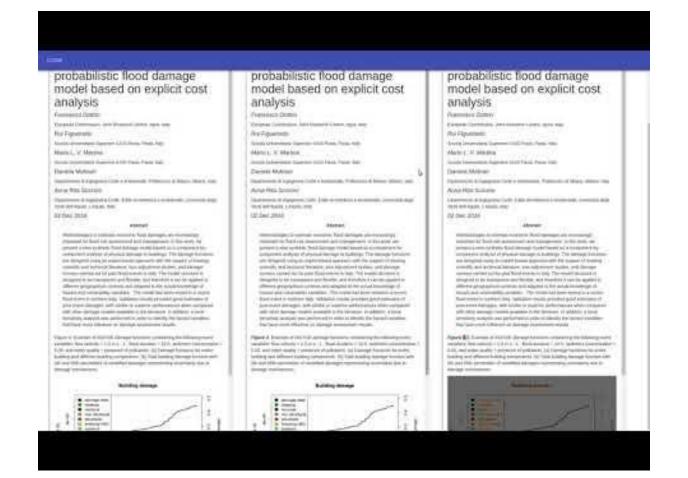
Minor	Substantial	Severe	Sysdependent
Library not found but available in repository	Wrong directory	Flawed functionality	Insufficient RAM









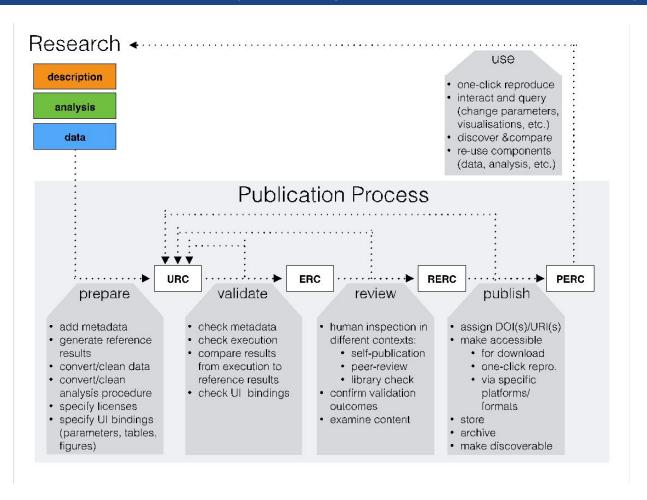


#### **ERCs offer**

- 1-click reproduce
- Transparency
- Validation/Confirmation
- New interaction possibilities

## **But**

How to integrate ERCs into the publication process?



### o2r's second phase:

- 2.5-year project, 2 RAs
- Collaboration between ULB ifgi

#### **Goal 1:** Pilot applications

- collaboration with journals
  - integrate UI and repro. services
- Self-hosted pilot:
  - Host OJS instance together with **ULB**
  - ERC @ education

#### **Goal 2:** Eliminate barriers

- creating interactive figures
- robust user interface

#### **Goal 3:** Evaluation

- technology: stress tests, monitoring
- user study about the understanding of ERCs

#### Beyond:

reproducible infrastructure @ WWU





