

STELLA: Towards a Framework for the Reproducibility of Online Search Experiments

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Information Centre

for Life Sciences

STELLA (InfraSTructurEs for Living LAbs)

Living lab framework

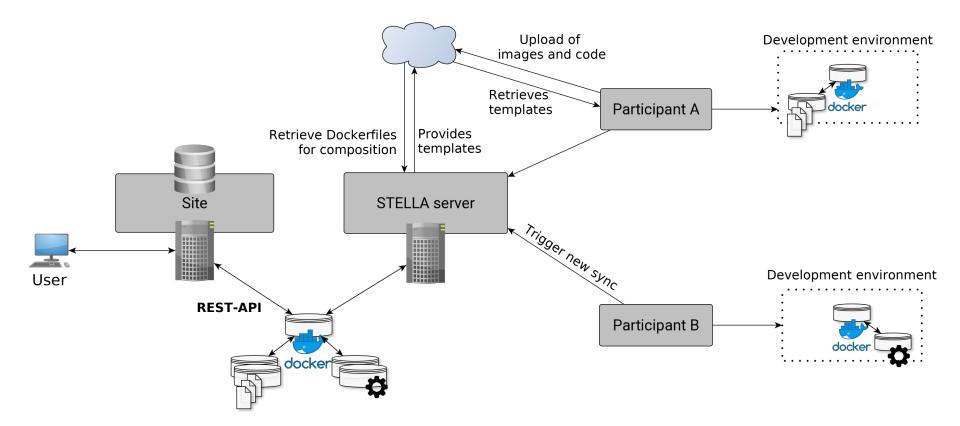
 Bridge the gap between experimental search systems and user interactions.

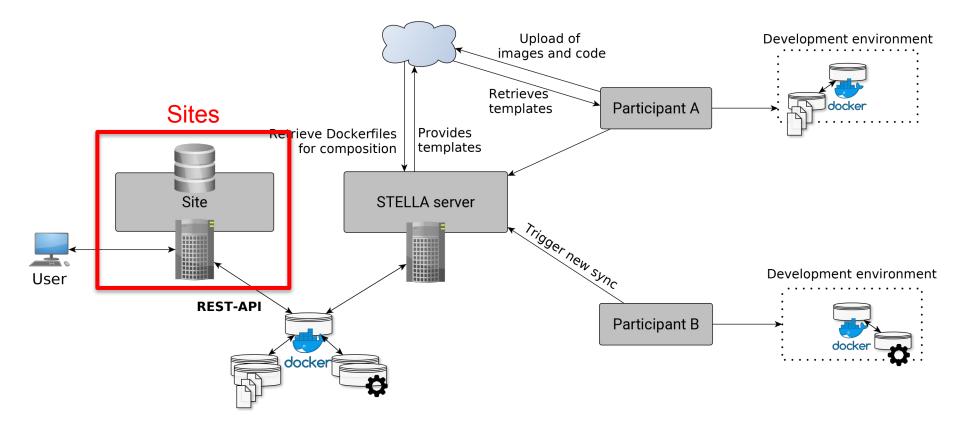
Academic Search

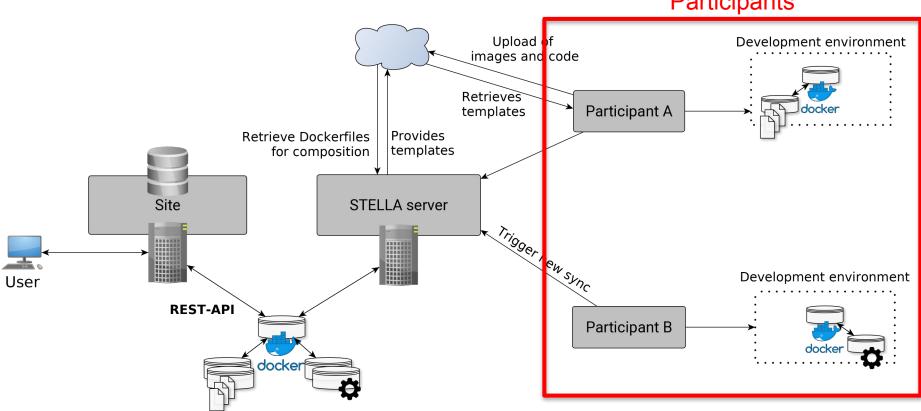
Early adopters: GESIS (social sciences) + ZB MED (live sciences)

Focus on reproducible online experiments

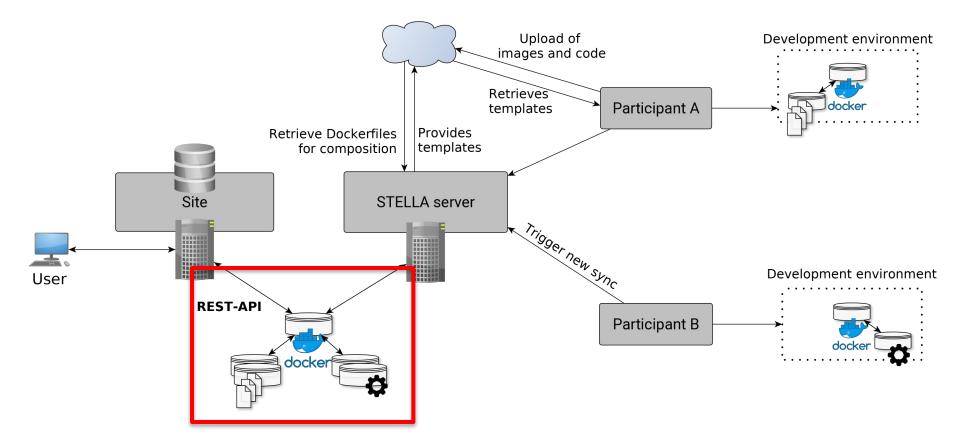
 Infrastructural components are aligned to PRIMAD (Ferro et al. 2016)



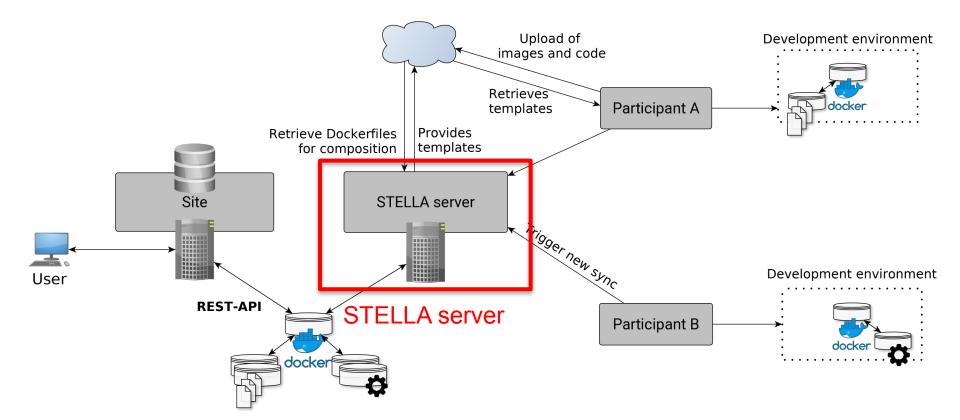




Participants



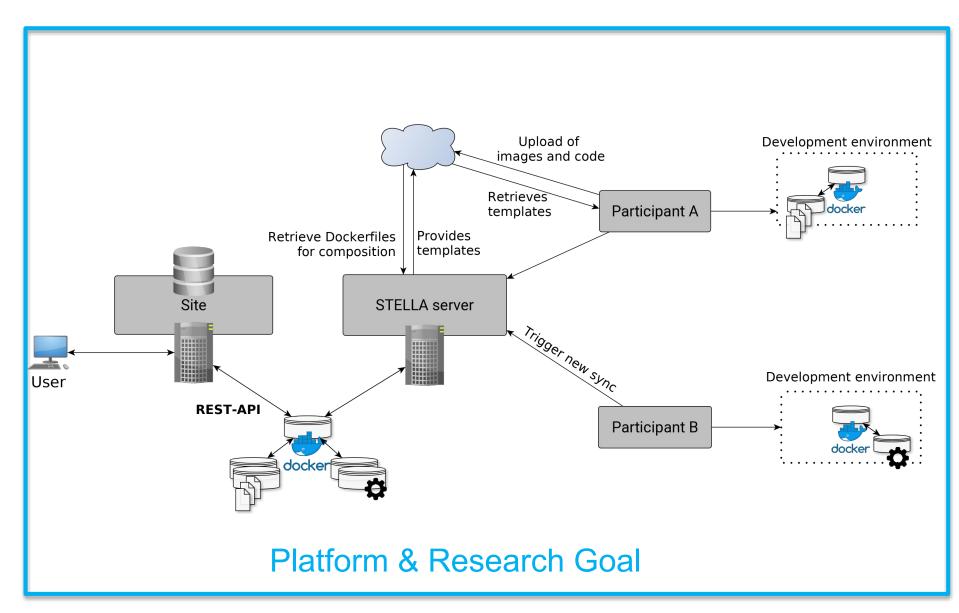
Multi-container application

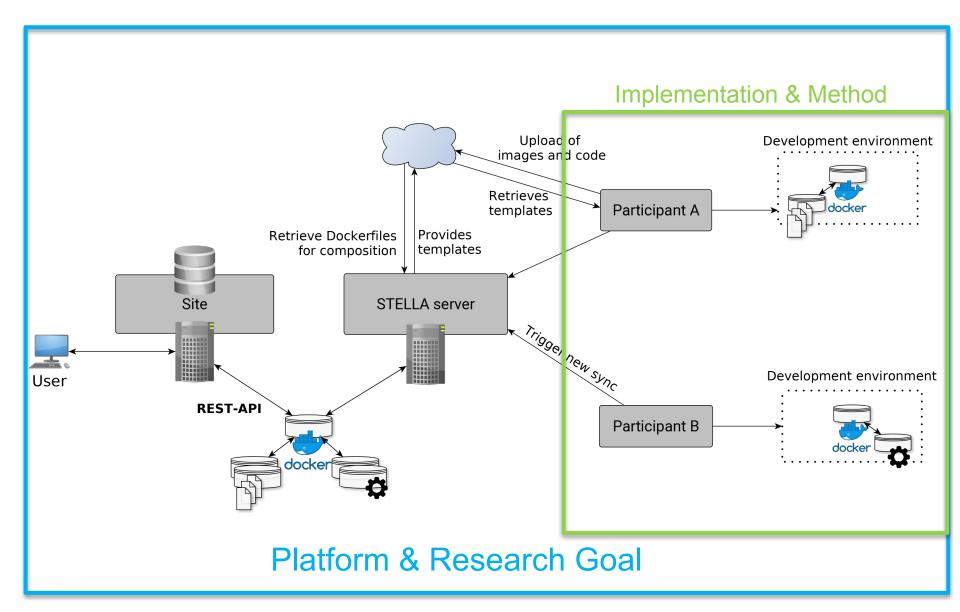


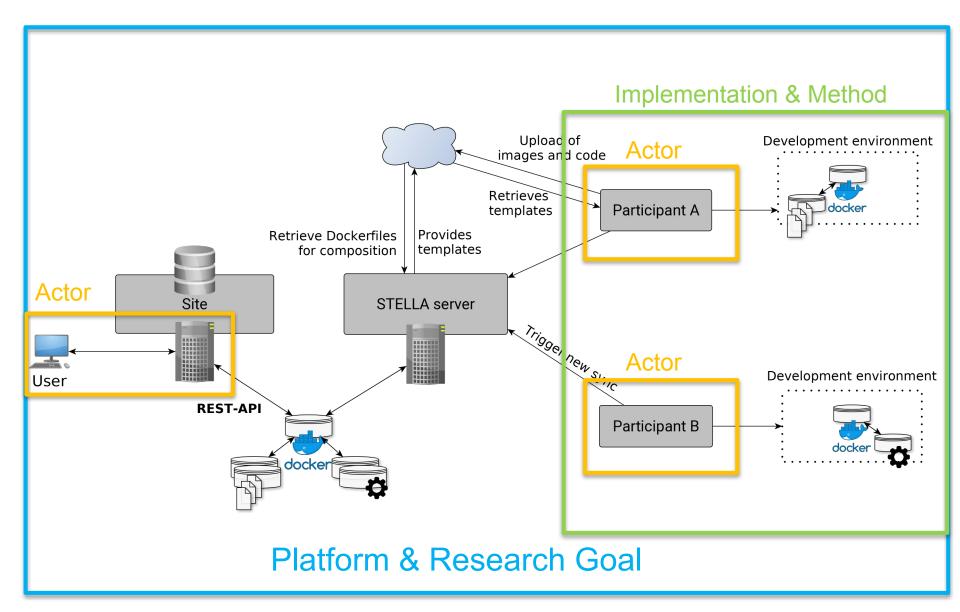
PRIMAD (Ferro et al. 2016)

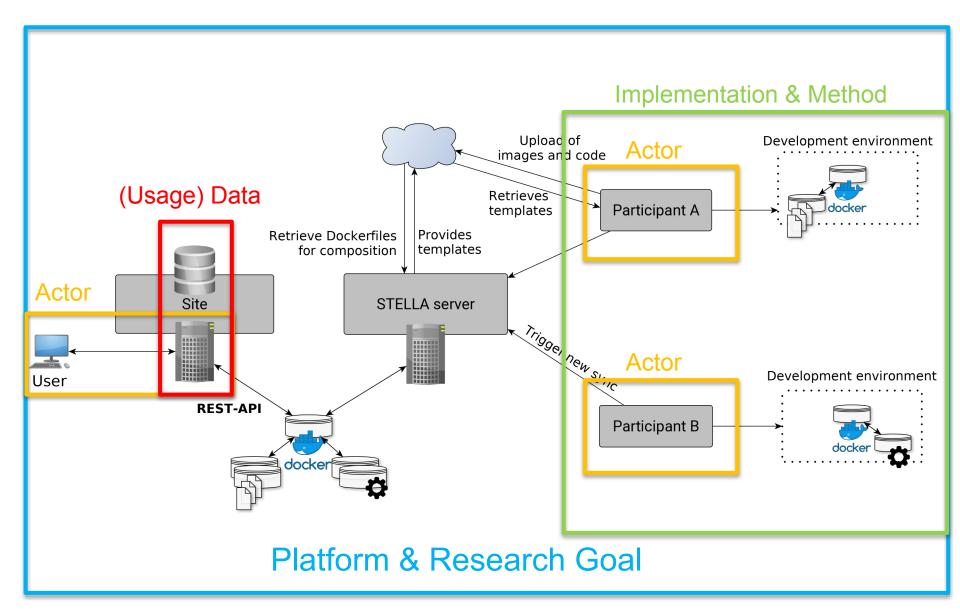
PRIMAD defines six variables that affect reproducibility

- Platform
- Research goal
- Implementation
- Method
- Actor
- Data









References

Nicola Ferro, Norbert Fuhr, Kalervo Järvelin, Noriko Kando, Matthias Lippold, and Justin Zobel. 2016. Increasing Reproducibility in IR: Findings from the Dagstuhl Seminar on "Reproducibility of Data-Oriented Experiments in e-Science". SIGIR Forum 50, 1 (June 2016), 68–82. https://doi.org/10.1145/2964797.2964808