Four simple recommendations to encourage best practices in research software

Scientific research relies on computer software, yet software is not always developed following practices that ensure its quality and sustainability. This manuscript does not aim to propose new software development best practices, but rather to provide simple recommendations that encourage the adoption of existing best practices. Software development best practices promote better quality software, and better quality software improves the reproducibility and reusability of research. These recommendations are designed around Open Source values, and provide practical suggestions that contribute to making research software and its source code more discoverable, reusable and transparent. This manuscript is aimed at developers, but also at organisations, projects, journals and funders that can increase the quality and sustainability of research software by encouraging the adoption of these recommendations.

General information
Publication status: Published
Organisations: Department of Bio and Health Informatics, IT Service, High Performance Computing, ELIXIR Hub, Netherlands eScience Center, CSL Limited, National eResearch Collaboration Tools and Resources, University of Freiburg, Stockholm University, Spanish Institute of Bioinformatics, University of Edinburgh, Repositive Ltd, University of Melbourne, European Bioinformatics Institute, University of Barcelona, University of Manchester, University of Oxford, BBMRI-ERIC, Dutch TechCenter for Life Sciences, University of Illinois, University of Ljubljana, University of Aveiro, Center for Open Science, University of Cape Town, Czech Technical University, University of Klagenfurt, Pompeu Fabra University, University of Illinois at Urbana-Champaign, University of Adelaide, Central European Institute of Technology, University of Tartu, Science and Technologies Facilities Council, Australian National Data Service, Radboud University Nijmegen, University of Rome La Sapienza, Monash University, University of Southampton
Number of pages: 13
Publication date: 2017
Peer-reviewed: Yes

Publication information
Journal: F1000Research
Volume: 6
Article number: 876
ISSN (Print): 2046-1402
Ratings:
Scopus rating (2017): CiteScore 1.59 SJR 0.926 SNIP 0.5
Original language: English
Electronic versions:
08c1dbd1_447b_432e_b7dc_410a1261e11a_11407_Rafael_C_Jimenez.pdf
DOIs: 10.12688/f1000research.11407.1

Bibliographical note
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Source: FindIt
Source-ID: 2371468286
Research output: Contribution to journal > Journal article – Annual report year: 2017 > Research > peer-review