

Your Thesis is software

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Throughput

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Goals

- Reduce “time-to-science” for researchers
 - Improve mechanisms for crediting different research outputs
 - Democratize scientific software
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Main Components

- Education & Outreach (this workshop)
 - Throughput Database (database snapshots)
 - Earth Science Cookbook (throughputdb.com)
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Education & Outreach

- We are good at doing research
 - We are not often good at documenting it (Lee 2018)
 - We are finding new uses for old research
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Education & Outreach (pt 2)

- To avoid inequity in access Throughput is making tools accessible to a broader range of researchers
 - We are providing new avenues to discover workflows in the geosciences
 - We are providing new ways of annotating data to help improve the social dissemination of knowledge.
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Throughput Database

- Making connections
 - Between data & software
 - Between data & the literature
 - Between the literature & software
 - Between grants, data, software & the literature
 - Among researchers.
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Earth Science Cookbook

- throughputdb.com
 - Keyword and full-text searches for databases and the scripts that use them.
 - > How do I connect climate and soils data?
 - > How do I work with data from a database?
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Collaboration

All our work is open source & collaboration is welcome. <http://github.com/throughput-ec>