SCEC Community Information System

Information sharing platform for the SCEC community

Support working group collaborations.

Facilitate preparation of project information and data for wider release.

Disseminate community information through project web pages, workshops, publications, articles, and data access sites.

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SCEC tool storing long-term GitHub traffic data collected via API.

Objectives
- Measure impact and awareness
- Gather usage data: statistics like downloads/clones/forks/visitor counts
- Increase impact and awareness

Up Next
- Survey: What metrics should be used to measure impact of research software?
- Improve usage data gathering and analysis tools
- Increase awareness and usage through
  - Training
  - Documentation
  - Technical Support
Objectives

- Identify datasets for dissemination
- Ensure robust metadata and well-defined schemas
- Tag datasets with DOIs
- Archival storage

Up Next

- Identify more datasets
- Explore partnerships for long-term data storage
  - Zenodo provides DOIs and long-term archival storage free of charge
- How can we improve metadata?
  - Google Dataset Search collaboration

DOI assigned to SCEC UGMS dataset
Data Access Tools

Objectives

- Identify datasets
- Build data retrieval tools that meets user needs for
  - Research: data as basis for new work (UCVM)
  - Applied science: data that can be applied to real-world problems now (UGMS)
- Extract meaning through intelligent search, visualization, and focused retrieval
  - Help users pinpoint exact data required

Up Next

- Identify technologies that can help (machine learning?)
- Identify datasets where data access site would have big impact

UGMS Data Access website

Site-specific calculations
https://www.scec.org/research/ugms

UCVM

Query standardization
https://www.scec.org/research/ugms

CFM Viewer (pre-release)

Focused data retrieval
Coming soon
FROM each according to their software and data; TO each according to their needs.

Give us feedback and share your experiences, please!

1. **Research Software**: measuring impact and increasing awareness
2. **Research Data**: DOIs, metadata and long-term data storage
3. **Data Access**: search, visualization, preparing and identifying datasets

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