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SE-CSE Workshops
http://SE4Science.org

Software Engineers and Scientists
Held at ICSE, SC, ICCS
Facilitate Discussion and Collaboration
Recent/future workshops partially supported by this grant

Relevance and Use of Software Engineering Practices: Survey Results

![Bar chart showing reasons why developers did not adopt practices they believed to be relevant](image)

<table>
<thead>
<tr>
<th>Personal Tenacity</th>
<th>Personal Level of Use</th>
<th>Relevance to My Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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<td>4</td>
<td>5</td>
<td>6</td>
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</tbody>
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Reasons why developers did not adopt practices they believed to be relevant:
- Little Relevance
- No Standardized Procedure
- Limited Familiarity
- Limited Time
- Not Top Priority
- Always Room for Improvement
- Limited People
- Limited Funding
- Prefer Other methods
- Not Required
- Research-Oriented
- Too Difficult

Metrics Dashboard & Survey

![Graphs showing project and region metrics](image)

The core Metrics Dashboard development team at Loyola University Chicago is George K. Thiruvathukal, Nicholas J. Hayward, Shilpika, Saulo Aguiar, and Konstantin Läufer.

Metrics Dashboard Status
- Web service deployed on AWS to compute and report defect density / issue spoilage from live git repository data
- Currently tracking ~20+ scientific software projects (most from GitHub)
- Web site to visualize results of web service at metricsdashboard.cs.luc.edu

Metrics Survey Status
- Survey underway to assess metrics that would be helpful to scientific software teams
- Aimed at understanding metrics usage and interest among scientific teams
- Results will help us expand the current prototype service/site to address project needs
- Survey period closing in March/April

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