### EOS-SEI: Other aspects

**Teaching assistants**
- EOSC16 is run largely by students who have taken the course
- Contributions to lab exercise development by TAs have been keys to success in several courses.
- Several TAs have gone on to teach courses as sessional instructors.

**Curriculum**
- Investigated precedent for curriculum review strategies.
- Learning goals for “service” courses (below) developed and approved by all faculty.
- Hiring practices of industry investigated and reported on.
- Matrix aligning program level goals with course practices for the re-instated B.Sc. Geology.
- First year needs for B.Sc. Geol.

**Resources, etc.**
- Website and Monthly “Times”
- Guidelines & documentation (see matrix above).
- Over 56 publications, posters, presentations and workshops.
- Four concept inventories
- Three undergirds geology theses in geoscience education.
- Classroom Practices Observations

Some examples below

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### EOS-SEI: Life after “transformation projects” ... consulting

The consulting model:
- E-mails to all EOS faculty from SEI Director announced availability.
- Faculty with no prior SEI experience specifically targeted.
- STLFs budgeted 4-8 hrs/week for consulting.
- Consulting time has evolved towards 8-16 hrs/wk.
- STLFs dropped in to “chat” with faculty. Help offered if appropriate.
- STLFs offered analysis of current, or new data sets.

Challenges:
- “Impact assessment” is harder to document clearly.
- Judgments about project scale – “big” projects do need discussion.
- Even handed distribution of services.

### EOS-SEI: Long-Term Plan

Exact what happened during each “course transformation” depended upon instructor and student needs that were usually pinned down after a term of observing classes, labs, student work, and student thinking. Each project was tailored to suit the unique priorities and comfort levels of corresponding instructors and students.

The EOS-SEI Long-term plan identified courses and instructors to receive focused support from four STLFs.

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### Table of course characteristics and impacts from EOS-SEI support.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructors</th>
<th>Teaching Approach</th>
<th>Course Description</th>
<th>Course Outcomes</th>
<th>Course Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOSC222</td>
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</tbody>
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### Faculty incentives:
- 22 additional TAs (mostly 6hrs/wk for 1 term) → 28 Teaching assignment reductions (mostly 0.5 course load)

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### EOS-SEI: Service course goals; Times editions; some guidelines; communications list ...