Overview of What’s Next in the Geosciences?
• GEO Advisory Committee (October 2009)
• Three main challenges to the for next decade
  • Understanding and forecasting the behavior of a complex and evolving Earth system
  • Reducing vulnerability and sustaining life
  • Growing the geosciences workforce of the future
President's Plan for Science and Innovation

Total NSF Funding:
FY 2006-FY 2020 (dollars in billions)

- **President's Plan for Science and Innovation**
- **ARRA**
- **Fiscal Year (FY)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Funding (billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>6.5</td>
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<tr>
<td>2010</td>
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<tr>
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<td>2015</td>
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<td>2016</td>
<td>10.2</td>
</tr>
<tr>
<td>2017</td>
<td>10.9</td>
</tr>
</tbody>
</table>

**% Over Previous FY:**
- 6% (2009)
- 6% (2010)
- 8% (2011)
- 5% (2012)
- 7% (2013)
- 7% (2014)
- 7% (2015)
- 7% (2016)
- 7% (2017)
ARRA: GEO Infrastructure

R/V Sikuliaq: $148M

OOI: $106M
FY2010 Climate Research Investment Solicitations ($197M across agency; $46M GEO)

- Decadal and Regional Earth System Modeling
- Water: Sustainability and Climate
- Ocean Acidification
- Dimensions of Biodiversity and Climate
- Climate Change Science Education
FY 2011 GEO Investments in Divisional Research and Education

- Atmospheric and Geospace Sciences: 8.1% increase
- Ocean Sciences: 8.3% increase
- Earth Sciences: 8.7% increase
- Education: 7.9% increase
Questions?