

OSGeo projects at Google Summer of Code

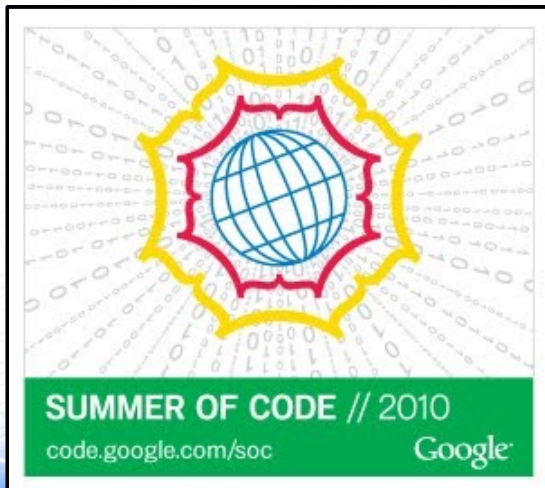
Anne Ghisla

OSGeo SoC Administrator 2011



Geoinformatics FCE-CTU 2011
Prague, Czech Republic - 19-20 May

What is Google Summer of Code?





What is Google Summer of Code?

Program that offers students stipends to write code for various open source projects:

- Create and release **open source code** for the benefit of all
- Inspire **young developers** to begin participating in open source development
- Help open source projects **identify and bring in new developers** and committers
- Provide students the opportunity to do **work related to their academic pursuits** during the summer
- Give students more exposure to **real-world software development scenarios**

Google Summers of Code - statistics

	2005	2006	2007	2008	2009	2010
Budget	\$2M	\$3M	\$4M	\$5M	\$5M	\$5M
# students	400	630	905	1125	1000	1026
# mentors	n/a	1200	~1500	>2500	n/a	n/a
# organisations	40	102	>130	175	150	150
# countries	49	90	90	98	n/a	n/a
Success rate	80	82	81	83	85	89

GSoC workflow



- 1) **Mentoring organisations** apply
- 2) **Google** selects mentoring organisations
- 3) **Mentoring organisations** call for mentors and propose ideas
- 4) **Students** write one/more applications
- 5) **Mentors** rank students' applications
- 6) **Google** finances the N best ranked applications
- 7) **Mentoring organisations** monitor students' activity by midterm and final evaluations
- 8) Successful **students** commit code on Google repository

OSGeo participation to GSoC

The Foundation participated as umbrella organisation for the Open Source Geospatial community.

Participating projects:





Why OSGeo participates

- Get **more students** excited about open source geospatial development.
- By way of the level of exposure that SoC provides, further extend the use, development, and teaching and training of **open source GIS at universities worldwide**.
- Bring more open source geospatial projects closer and to communicate more. We are encouraging students to come up with ideas that **cross project boundaries**.
- Great opportunity to mingle code with and get to know other **like-minded FOSS projects** in our app domain. (such as OSM, Mapnik, Sahana, Ushahidi, ...)

What GSoC and real-world open source software programming have in common

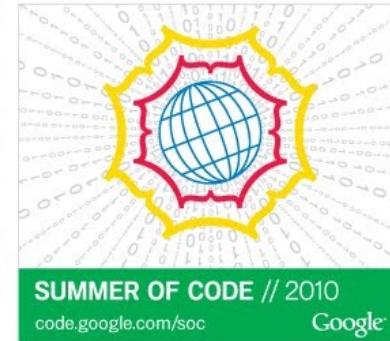
- Communication with the developers team is very important
- Detailed work plan for development – respect deadlines and plan variations
- Paid open source development (yes, it's real)
- The final deliverable is a working software package

Differences from GSoC and real world open source software development

- Students must work alone
- Focus is on code, not on documentation (but the program states it clearly)
- No work/maintenance is expected (but is welcomed by mentoring organisations) after the end of Summer of Code
- U.S. economical limitations

Why applying?

- **Students:** have the opportunity to be paid for working on the code project you like, guided by experienced developers
- **Mentors:** teaching is a way of strengthen your knowledge, and form new developers. There are various levels of involvement: as mentors, co-mentors or simply by giving feedback to the students' questions to the community



Thank you for your attention!

