

# UCOSP Report

## Steering Committee:

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# Motivation and Goals

- Simulate “real-world” software development
  - contribute to a large, existing project, whose lifecycle does not coincide with the typical student project
  - collaborate both with other students (with different experience and background) and, possibly, with other active developers
  - learn to manage a work schedule where regular progress and communication is as important as the final deliverable
  - learn new tools and languages
  - work with people living in different cities and time zones

# UCOSP and Other Similar Efforts

Comparing UCOSP against other efforts presented at the “***Collaborative Teaching of Globally Distributed Software Development: Community Building Workshop (CTGDSD 2011)***”

# UCOSP and Other Similar Efforts

- Upper-level undergraduate students
  - other courses involve masters students or mixed undergrad/graduate groups
- “Real” open-source projects
  - simplifies IP issues, increases visibility
- Within Canada
  - other courses focus on multi-country and multi-cultural teams
- The sprint is a key factor in project success, unique to UCOSP
- Theory/Practice mix: UCOSP is fundamentally project based
  - most other courses involve lectures and/or seminars (with associated course materials)
- Tools are similar
  - GIT, Eclipse, Jazz, blogs

# Organization

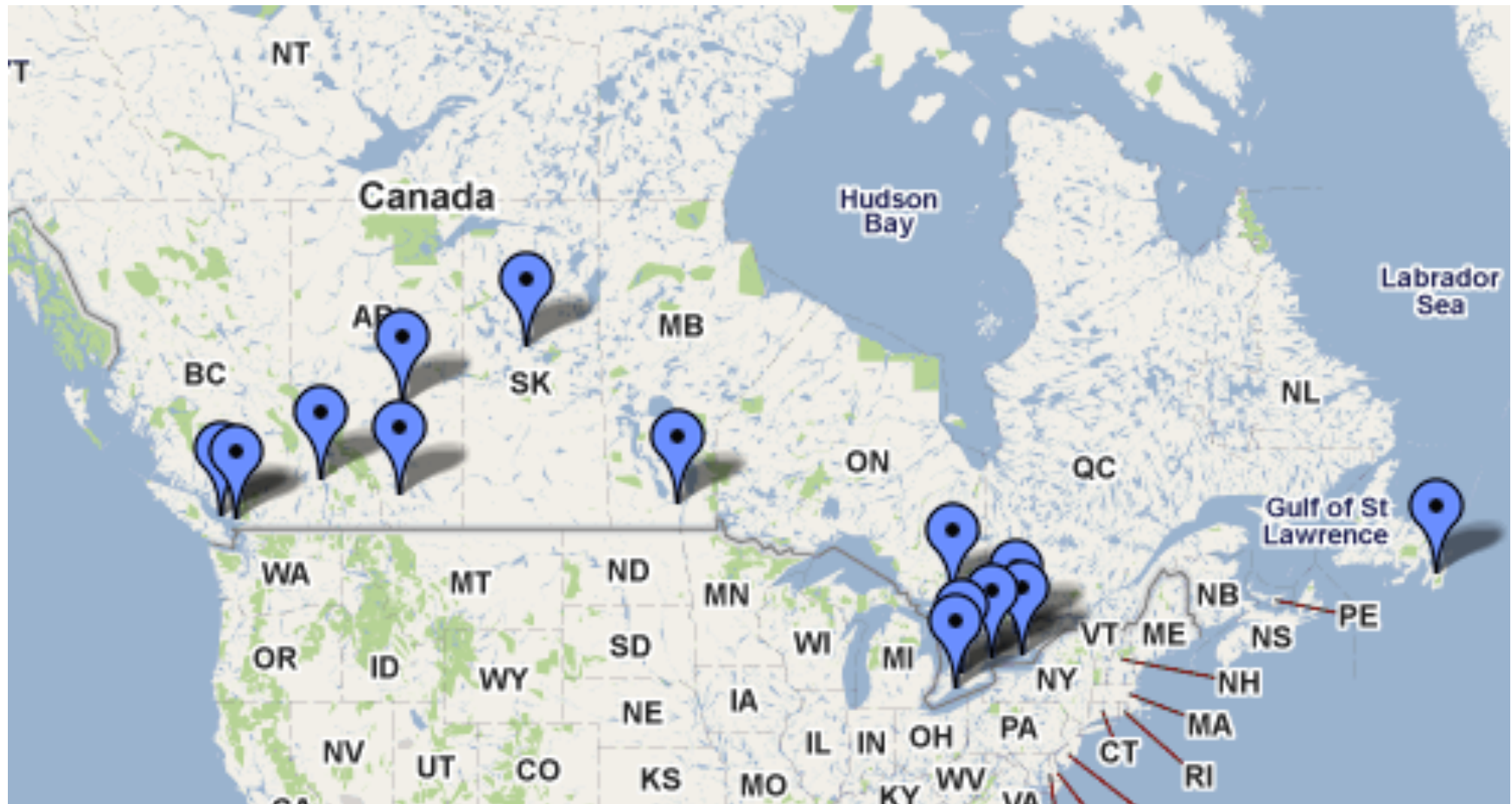
- Project groups of 5-8 students from 2-4 different Canadian universities
- 1 mentor/client (academic faculty/industrial partner)
- 1 faculty member (at each student's home university) responsible for assigning a grade for the students in this university
- An open-source system for extension or enhancement
- Collaboration, communication and development tools dictated by the system
- Agile process (frequent deliverables, pair programming)
- Code Sprint (essential for getting started)

# History

Year	Term	#Students	#Universities	#Projects
2008	Fall	7	1	1
2009	Winter	12	1	1
2009	Fall	45	11	8
2010	Winter	44	9	8
2010	Fall	39	10	8
2011	Winter	37	11	7

# This Year

- 39 + 40 (-3) students
- 15 Universities
  - Laurentian, Lethbridge, Memorial, SFU, UBC, Ottawa, Saskatchewan, Alberta, Manitoba, Toronto, Mississauga, York, Laurier, Thompson Rivers, Waterloo





# Financial Information

<b>Expenses</b>	<b>2010/11</b>	<b>2011/12</b>
Student Travel	29,115.07	35,000.00
Student Hotel	13,187.01	15,000.00
Food	2,435.42	3,000.00
Misc Sprint Costs	42.32	300.00
Organizer Travel	615.92	1,200.00
Promotion	151.54	500.00
Chair to CACS meeting		600.00
Administrator (in kind O'Reilly)	35,000.00	
	80,547.28	
	<b>45,547.28</b>	<b>55,600.00</b>
<b>Revenues</b>		
CACS		10,000.00
Google	37,324.00	35,000.00
O'Reilly (in kind)	35,000.00	
CIPS	2,000.00	2,000.00
Fundraising	8,000.00	8,000.00
	82,324.00	
	<b>47,324.00</b>	<b>55,000.00</b>

# What do we need/want?

- A broader footprint over Canada, with French-speaking students
- Administration support
- Feedback on the structure of the program