



POSSE Roundup

SIGCSE 2019

http://foss2serve.org/index.php/SIGCSE_2019_POSSE_Roundup



1. Welcome

Purpose of this Roundup

- Catching up
 - With other faculty
 - With developments on HFOSS education
- Moving HFOSS education forward
 - Discussing new efforts
 - Exploring and helping define the next steps in HFOSS education

Schedule

- Morning - HFOSS Kits
 - Introduction
 - Breakout
- Afternoon - HFOSS Learning Projects
 - Introduction
 - Breakout

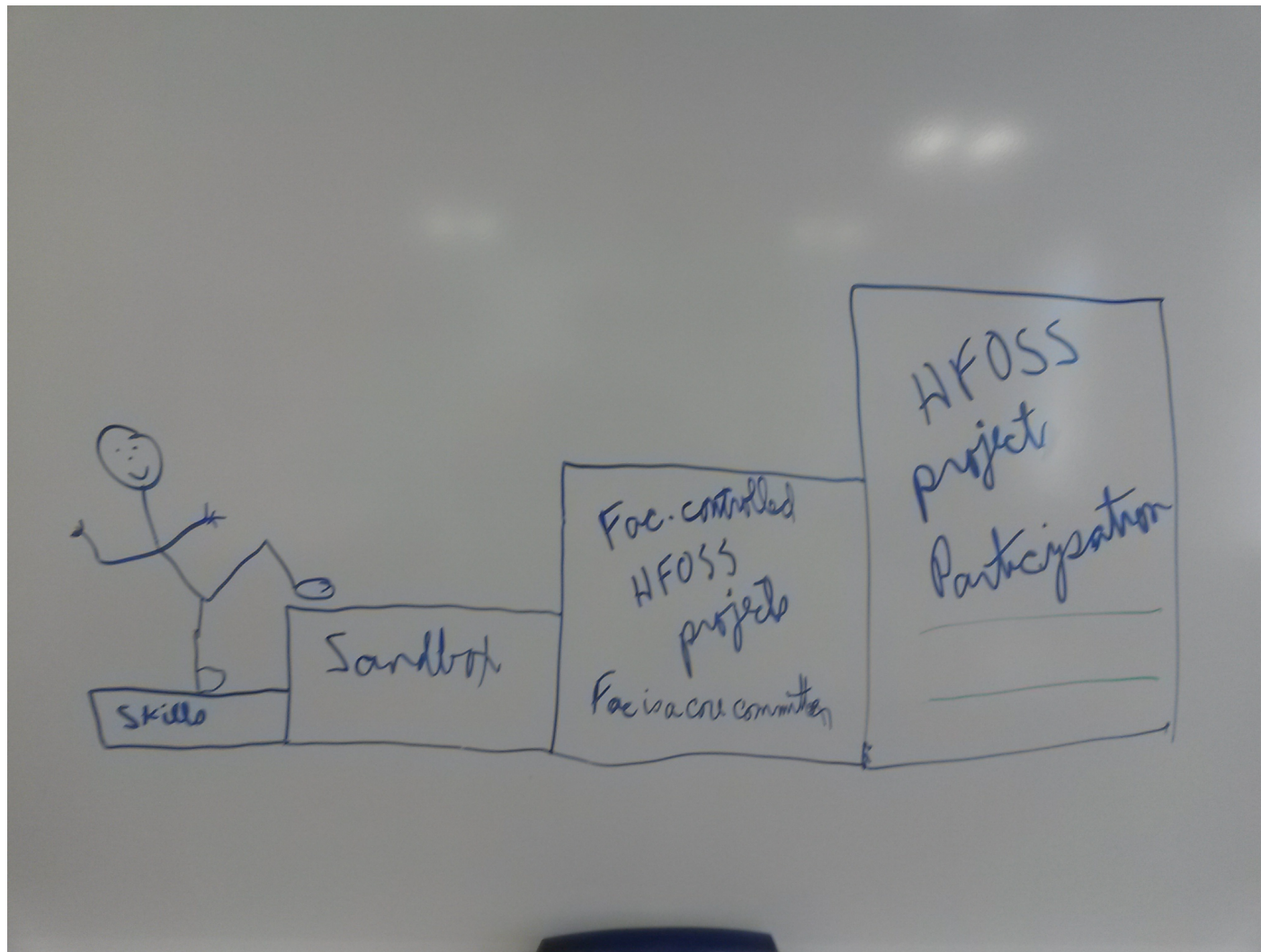
Logistics

- Breaks – AM and PM
 - Market – lobby level
 - Vitali's Cafe – this level
- Lunch - Hyatt Prairie Kitchen & Bar
 - Anyone not joining us for lunch?
- Dinner - The Local - 931 Nicollet Mall
 - Anyone not joining us for dinner?

Introductions

- Who's here?

2. Introduction



HFOSS Kit

- A controlled, isolated, practice environment where students can learn and practice open source skills
- Kit contents
 - **Project sandbox** - copy of an HFOSS project or selected artifacts from a live HFOSS project
 - **Learning activities** for the project sandbox
 - **Directions** and notes for an instructor on how to use the Kit

HFOSS Kits - Trade-offs

- Reduce instructor overhead in teaching basic open source skills.
- Provide a predictable, controlled environment that can be re-set and re-used across multiple academic terms.
- Provide opportunity for students to practice using real-world artifacts
 - Repeatable and without burdening a project community.
- Provide experience with complexity and scale
- No opportunity to directly observe and interact with a project community
- May lose the motivation of actual contribution

HFOSS Learning Projects

- Fully operational HFOSS project
 - Student learning as a recognized objective
- Characteristics of these projects include:
 - Fully functional project with an active client community
 - On-going product development, distribution, operation, and maintenance
 - Core committers include at least some faculty or students
 - Project welcomes and supports participation by students

HFOSS Learning Projects

Trade-offs

- Higher probability of successful student participation
- Opportunity to increase positive social impact created by college students
- Likely smaller scale projects
- Possible impact on student motivation
- Possible impact on portfolio value of student work

HFOSS Kits - Sketches

- Kit for focused skill development
 - Defect tracker - Stoney
- Kit with a full development environment
 - Ushahidi VM – Cam and Heidi
- Duplicated project environment on a forge

Duplicated Project Kit

- Not just a clone of a project
 - Need project artifacts
- Duplicate of the project
 - Code, issue tracker, wiki, etc.
- Process
 - Duplicate created and kept static
 - Instructor forks from the duplicate
 - Students fork and clone from the instructor's copy
 - Instructor can re-set at any time

Legal Stuff

- Acknowledgment

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