

ScienceSoft

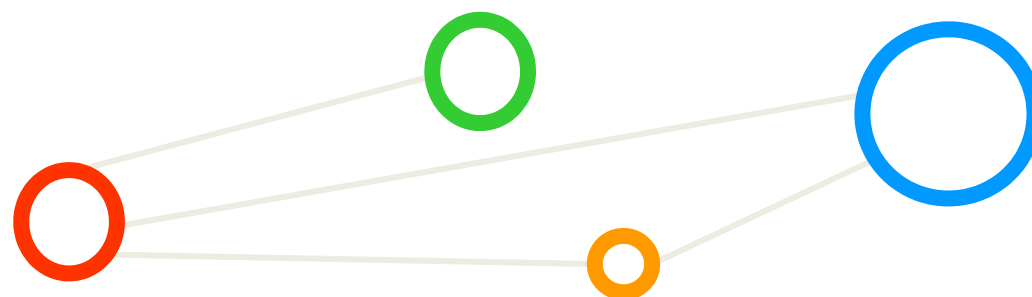


Morris Riedel, Alberto Di Meglio, Peter Stefan et al. &
...many others from the community...

Open Grid Forum 34, Oxford

13/03/2012

Outline



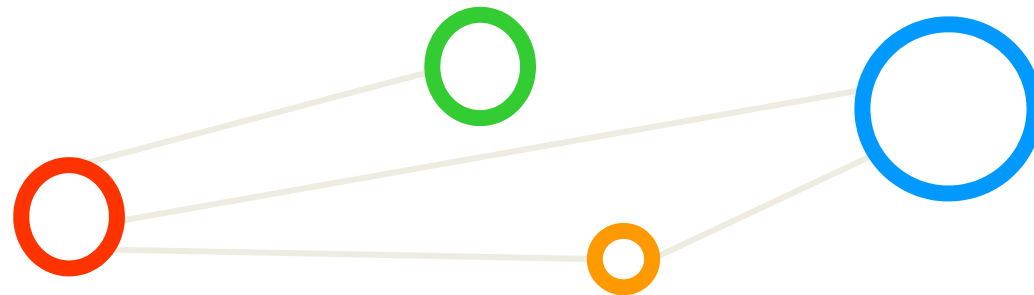
Outline



- Motivation
- Vision
- YOU!



Motivation



Limited interactions exist



- EMI noticed:
 - Communities do exist, but are not strongly interacting with each other...
 - *Interaction between user & developer communities*
 - *Interaction between different scientific domains*
 - Interaction often happens at project level, but interaction at individual level is very limited

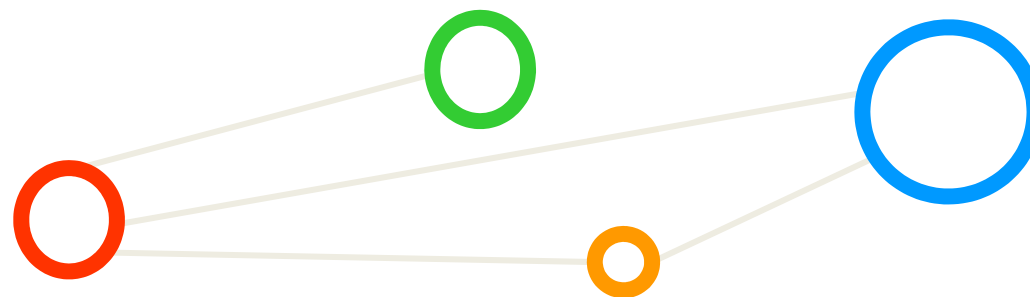


Need for active communities

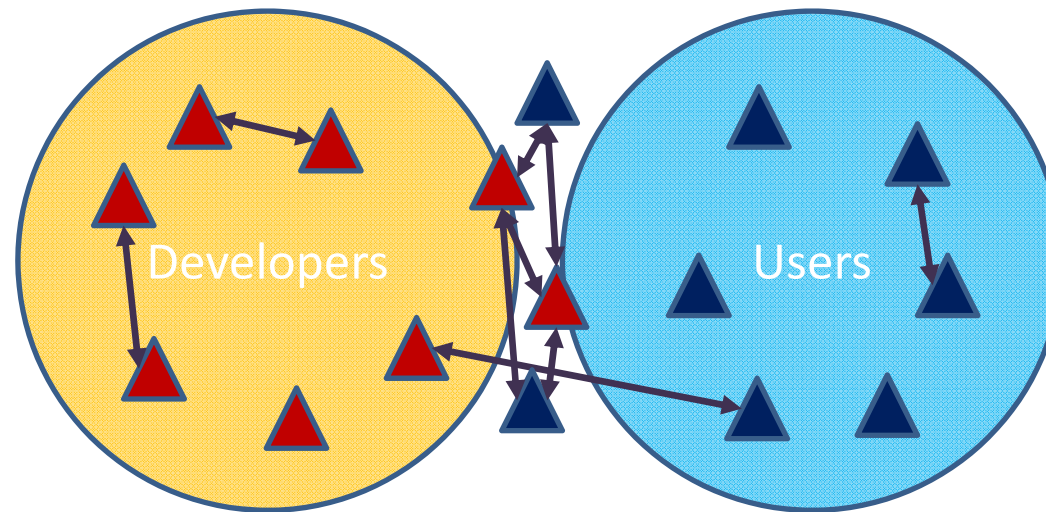


- Prevents establishing active communities with continuous exchange of information
- In turn, the lack of active, committed communities makes sustainability difficult
 - How to justify the need for funding?
 - How to bring in commercial companies?
 - How to preserve useful software after a project?

Vision



The vision



Key Idea: Bottom-up Approach



- Community-oriented
not project-oriented
 - Committed contributors
 - Engaged users
 - Flexible collaboration
- Interactions are stronger
if supported by motivated
individual within the more general
interests of Institutes or Companies



Main Functions



- Collect and publish information about scientific software
 - who develops it, who uses it, what licences are used, etc
 - views by developer, by Institute, by geographical region, by scientific community/domain, etc
- Provide “social network”-type of communication channels
 - among developers, among users, between users and developers, special-interest groups, etc



Main Functions



- Organize and promote events
 - Conferences, workshops, contributors gatherings
- Better organize towards funding streams
 - Industrial sponsorships, donations, membership fees, institutional funding (EU or local)
- Provide info and services to Institutes and companies to show what they do, how much they are needed
 - They can support their funding requests and find more customers



EMI INFO-RI-261611

Benefits



- Enhance the motivational aspects of software development and usage
 - Software is well advertised
 - It's use is known and acknowledged
 - Users can share experience
 - Users get help and rate the software
- Increase visibility and opportunities:
 - Being able to show that software is used and well rated helps with sustainability (getting funds)



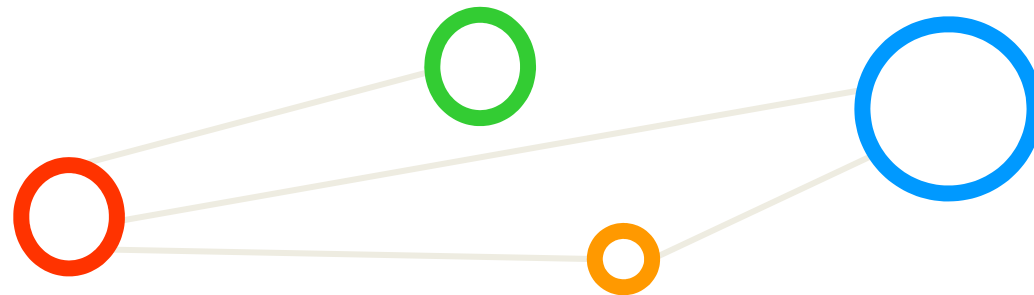
Benefits



- Increase cross-domain interaction
 - A solution found in one domain or community doesn't need be reinvented again
- Improve opportunities for commercial usage
 - Companies have clear entry points for discussion
 - Can propose additional services to interested users
 - Institutes can provide value-added services



YOU!



Common Interest



- Focus on scientific research
- Create the right conditions to operate in a standard open source environment
- Enable the generation of a bottom-up community of contributors and users
- Allow a better exchange of information among developers and users
- Establish a permanent focal point for technology coordination and discussion

BECOME INVOLVED!



- Tentative name and motto:
 - ScienceSoft: Open Software for Open Science
- Domain name registered:
 - sciencesoft.org
- Place-holder web site:
 - <http://sciencesoft.web.cern.ch>

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Open Software for Open Science

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What is it?

ScienceSoft is an initiative to coordinate and promote the development and use of open source software for scientific research.

Who is it for?

It is for software developers producing applications, middleware, tools for science. It is for researchers to find software, get support, express recommendations.

Why use it?

ScienceSoft allows to organize and promote projects, find software and connect to people developing or using it. It allows to take decisions based on information shared and verified by a large community of researchers.

NEWS AND EVENTS

06.02.2012
1st ScienceSoft workshop at CERN

05.12.2011
The ScienceSoft initiative design phase starts with the creation of the expert Steering Committee

QUICK LINKS

- 2nd EMI Technical Conference
- OSI - Open Source Initiative
- The FEDORA Project

IN THE SPOTLIGHT



ScienceSoft - Open Software for Open Science

In December 2011 EMI, the European Middleware Initiative, and EGI, StratusLab, OpenAIRE, Marine and other scientific research projects have started a collaboration to promote and coordinate the development and use of open source software for scientific research.

The new initiative, called ScienceSoft, supports research Institutes developing software in establishing sustainable open source policies, adopt standard methods and tools, publish software in the most used operating system distributions and promote their products to a wider audience.

ScienceSoft also helps scientific researchers in finding the software they need, get support, share experiences, recommend software to other researchers and rapidly find solutions to their problems.

[read more ->](#)

FEATURED PROJECTS



EMI
EMI, the European Middleware Initiative, is a project partially funded by the European Commission to coordinate the development of grid middleware in Europe.



EGI
EGI, the European Grid Infrastructure, manages the largest scientific research grid in Europe.



StratusLab
StratusLab develops a complete, open-source cloud distribution that allows grid and non-grid centers to offer an "Infrastructure as a Service" cloud.