

# GForge

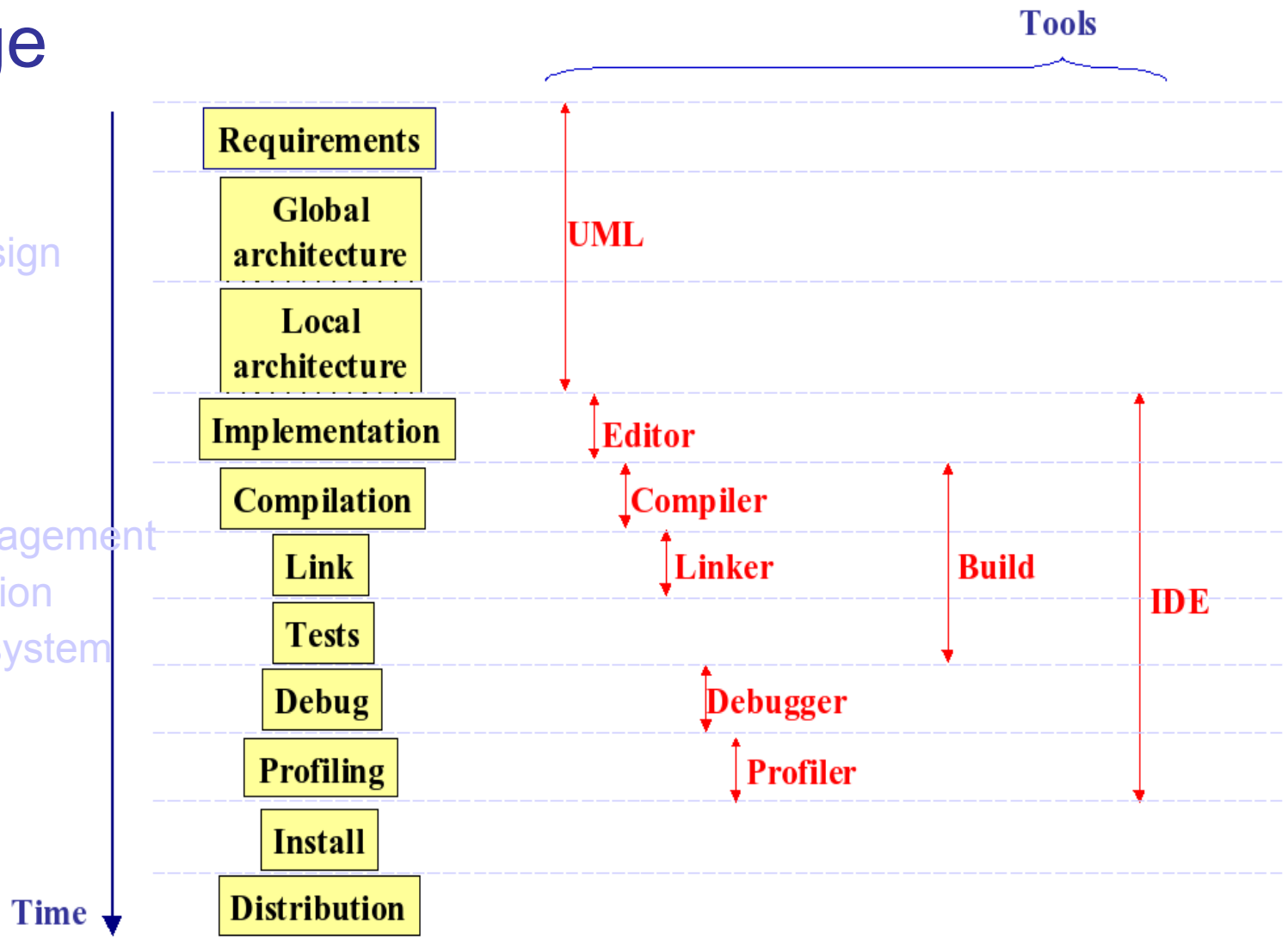
Nicolas Niclausse - DREAM

INSTITUT NATIONAL  
DE RECHERCHE  
EN INFORMATIQUE  
ET EN AUTOMATIQUE



# GForge

- Introduction
- Analysis/design
- Build
- Tests
- Debug
- Profiling
- Project management
- Documentation
- Versioning system
- IDE
- GForge
- Conclusion



# Outline

- Overview
- Features
- Demo



# Gforge: A tool for collaborative work

<http://gforge.inria.fr/>

- Web based tool
- Open source, based on sourceforge code
- Service available for all of INRIA and its external collaborators
- National server hosted at INRIA Rennes (IRISA)



# Features

## **Users** (not only from INRIA) and **Projects**

Services for each project:

- CVS or SVN server
- Web pages and documents
- Wiki
- Bug and other trackers
- Mailing lists
- Web Forums
- Task manager



# Users management

- For each project, two kind of users:
  - Administrator:
    - He can add new developers or administrators to the project
    - He can create/tune each user's *role* type (users with different rights)
    - He can administrate the tools (create mailing lists, ...) and also disable tools not needed for the project
  - Developer
    - He has a **role**, giving him some rights do to things
- Gforge accounts are different from INRIA accounts
- You need an ssh key for CVS/SVN (or use WebDAV)



# Public and private projects

- All the data stored in a public project is:
  - read-only for everyone
  - read-write for the members of the project
- The data (except the web pages) stored in a private project is:
  - read-write for the members of the project
  - not accessible by anyone else
- The access to the server is protected by:
  - ssl authentication for the web server
  - ssh private/public key authentication for the cvs/svn repositories.



# How to use it ?

- Create an account
- Create an ssh key (if necessary) and upload your key
  - If you don't know ssh: <http://www-sop.inria.fr/semir/securite/ssh/>
- Read "A gentle introduction to InriaGForge":
  - <http://siteadmin.gforge.inria.fr/gforge.html>
- **Read the FAQ:** <http://siteadmin.gforge.inria.fr/FAQ.html>
- Create a project or ask a project administrator to add you to an existing project





# Pros & Cons

- + Lots of tools available in a single interface
- + Easy to use Web interface to administrate your projects
- Some tools are not well integrated (mailing lists)
- Some tools are basic (bug tracker, task manager, ...)
- You can not set rights to svn/cvs branches (in the web interface)
- You can not switch from cvs to svn once the gforge project is created



# Demo



# Conclusion

You can work with external collaborators

Lots of tools available in a single interface

You need help ? [help.et.gforge@inria.fr](mailto:help.et.gforge@inria.fr)

Read the gentle intro doc: <http://siteadmin.gforge.inria.fr/gforge.html>

Read the FAQ: <http://siteadmin.gforge.inria.fr/FAQ.html>

<http://gforge.inria.fr/>

