

Facts about free software that matters

- ▶ they are big :
 - most of them, > 10 000 Source Lines of Code (SLoC)
 - lots of them, > 100 000 SLoC
 - some of them, several millions SLoC (linux, mozilla, gcc, etc.)
- ▶ developped and maintained by teams
- ▶ that are scattered in both
 - time (emacs is more than 25 years old)
 - and space (developpers all around the world)

**It's no more just a coding challenge,
it's a Software Engineering challenge**



**Introducing the Ada Session,
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Facts about Ada

- ▶ **designed for Software Engineering**
- ▶ **unique set of powerful features**
- ▶ **high level semantic**
- ▶ **high quality free development environment (finally!)**
- ▶ **really and fully free, normalized, not in the hand of a company or under a gourou's control**



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So, is Ada the right tool?

- ▶ thanks to the “abilities” (maintenability, lisibility, portability, availability), Ada :
 - boosts development effectiveness : much more time on adding features, much less time on debugging
 - increases software quality
 - eases developer's late entry on existing project (code is easy to understand, less side effects in bug fixes and evolutions, etc.)

Yes, Ada is the right tool for free software that matters



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Today's presentations will show :

- ▶ **what Ada is**
- ▶ **why Ada is well suited for free software**
- ▶ **the excellent learning curve**
- ▶ **the quality and broad availability of a free software development environment for Ada**



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The Program, first part

- ▶ 13h35, Lionel Draghi : **Session Introduction**
- ▶ 13h45, Ludovic Brenta : **Langage Overview**
- ▶ 14h30, Jean-Pierre Rosen (AdaLog): **Ada, language of choice for free software**
- ▶ 15h05, Thomas Quinot (ACT-Europe) : **AdaCore role in GNAT use for free software**
- ▶ 15h40, Samuel Tardieu : **Ada, an open language**



The Program, second part

- ▶ 16h25, Thomas Quinot (ACT-Europe) : **PolyOrb, an innovative middleware**
- ▶ 17h00, Stéphane Rivière :
 - **Introducing AIDE** (Ada Instant Development Environment), the live Ada CD for Windows
 - Martin and Xavier (13 years both) **experience on learning Ada with AIDE**
- ▶ 17h35, Ludovic Brenta : **Ada within Debian**

