

ECLIPSE & JAZZ IN EDUCATION

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Why eclipse is so innovative ?

- Eclipse is close to a perfect software development environment for my students.
 - Provides a consistent feature set on most platforms
 - Supports more than just Java or any single language
 - Open source and free, yet fully supported
 - Truly extensible and configurable
 - It is industrial strength
 - has "different hats"
 - It's magic

How eclipse looks like to my students?



"An open extensible IDE for anything and nothing in particular."



"An open, extensible *craftmans renaissance studio* for tool integration built by an open community of *idea providers*"



Eclipse teach eclipse

P. Maresca - Eclipse & Jazz in education 30 September 2010 - Savona

Eclipse is... (my vision)

hardeclipse

- A powerfull architecture
- A Java IDE
- An IDE framework
- A tools framework
- An application framework
- Runtimes platform

softeclipse

- Open source projects
- A community
- An ecosystem
- A foundation

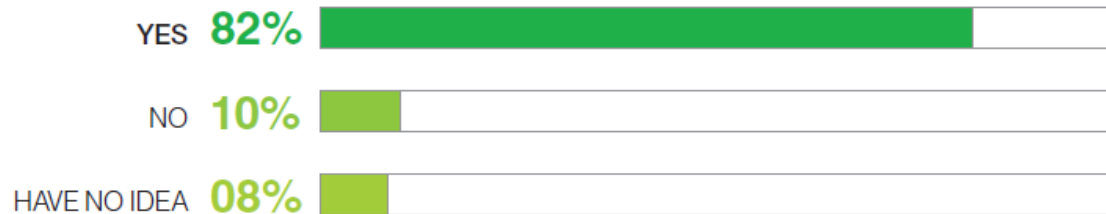
edueclipse

- Onion eclipse
- academic community
- books
- Knowledge network
- Onion eclipse +jazz

Lesson Learned

1. ETC drive standards and force open innovation network
2. ETC consumption requires mature organizations and produces high quality products
3. Education is not keeping up with the pace of technology change
4. ETC is a network to allow companies and Universities to cooperate in the development of common infrastructure technology as a platform for innovation but also sharing knowledge and best practice
5. create one occasion of cooperative job for students, researcher, industries and PA
6. create and sustain a community that enable to form a "T-shaped" student
7. Cloud computing as a key delivery and learning platform of the future
8. Create smarter campuses, which are interconnected, enriched and fed by onthe-ground knowledge being developed over social networks.

VIRTUAL WORLDS ARE A GREAT PLACE TO LEARN SKILLS.



A look ahead ..over ETC

- The most important part of ETC architecture is the **collaboration (smart ETC)**.
 - “These highly competitive programs establish relationships between IBM’s research, business divisions, and universities” from J.C. Spohrer IEEE computer August 2010 .
 - 5R Spohrer paradigm Academic Initiative world wide (a 5R fusion- research-readiness-recruiting-revenue-responsability)
 - Academic initiative+rational+universities network.
 - virtual computing lab (VCL) + open innovation network + cloud computing + grid networking fostering co-creation and adoption of new technologies

Goals (short, mid, and Long term)

2-4 month

- Unire network Università e Academic initiative in un network innovativo: **Academic Network**
- Incrementare i progetti, raggiungere altre università anche fuori dal territorio (Francia, Svizzera, USA). Accademi aeronautica Pozzuoli e gruppo interforze.
- Improve web site, and etc platform (<http://eclipse.dis.unina.it/>, eclipse-it.org, etc.org)
- Networks , internship, Courses, seminars , virtual internazionalization.

6-12 month

- **VCL (see NCS University & Florida Int University)**
- **New internship system**
- Osservatori delle competenze, delle capacità e delle abilità (network based) per docenti e aziende
- Modello di esperienze da esportare

1-2 years

- Master II livello
- **Students Eclipse –ETC award (from Partners)**
- Eclipse- ETC doctorate (cofound)
- substrato di rete di conoscenza per lo sviluppo delle applicazioni per lo smart planet

Any Questions ?

