



eTICS2
The Grid Quality Process



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ETICS from Research to Production

5th EGEE User Forum

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What is ETICS



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ETICS projects



E-Infrastructure for

Testing

Integration and

Configuration of

Software



ETICS automates and improves ...

ETICS automates and improves the execution of:

- Builds
- Tests
- Quality Verification



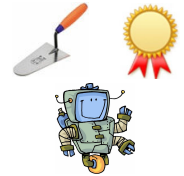
... offered as a service to its users



ETICS Keywords

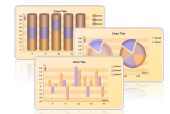
All-in-one solution building/testing/quality

- Build your software, test it and check its quality



Quality made easy

- Offers the *A-QCM* compliant with ISO standards
- Collection of test information



Language / platform / tool independent

- ETICS is non-intrusive and easily extensible
- Plugin based system



Distributed environment

- Support for synchronization of developers
- Distributed builds and test
- Multiplatform build and tests



Success in the Research World

Main users (apart from ETICS 2 project itself)



“We use ETICS to build these software components across a variety of platforms, By using ETICS we are able to benefit from an automated build environment which can be reproducible at a later date”

Steven Newhouse, EGEE III Technical Director



“ETICS makes build and integration nightmare activity a simple configuration activity”

Pasquale Pagano, D4Science Technical Director

EDGeS

“A-QCM certification, will contribute to the successful promotion of EDGeS achievements and solutions towards industrial partners”

Prof. Peter Kacsuk, coordinator of EDGeS consortium

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Engineering Group



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Who is Engineering

International player in the IT sector:

800 customers

More than 700 M/€ earnings

6,000 specialists in IT



The Group



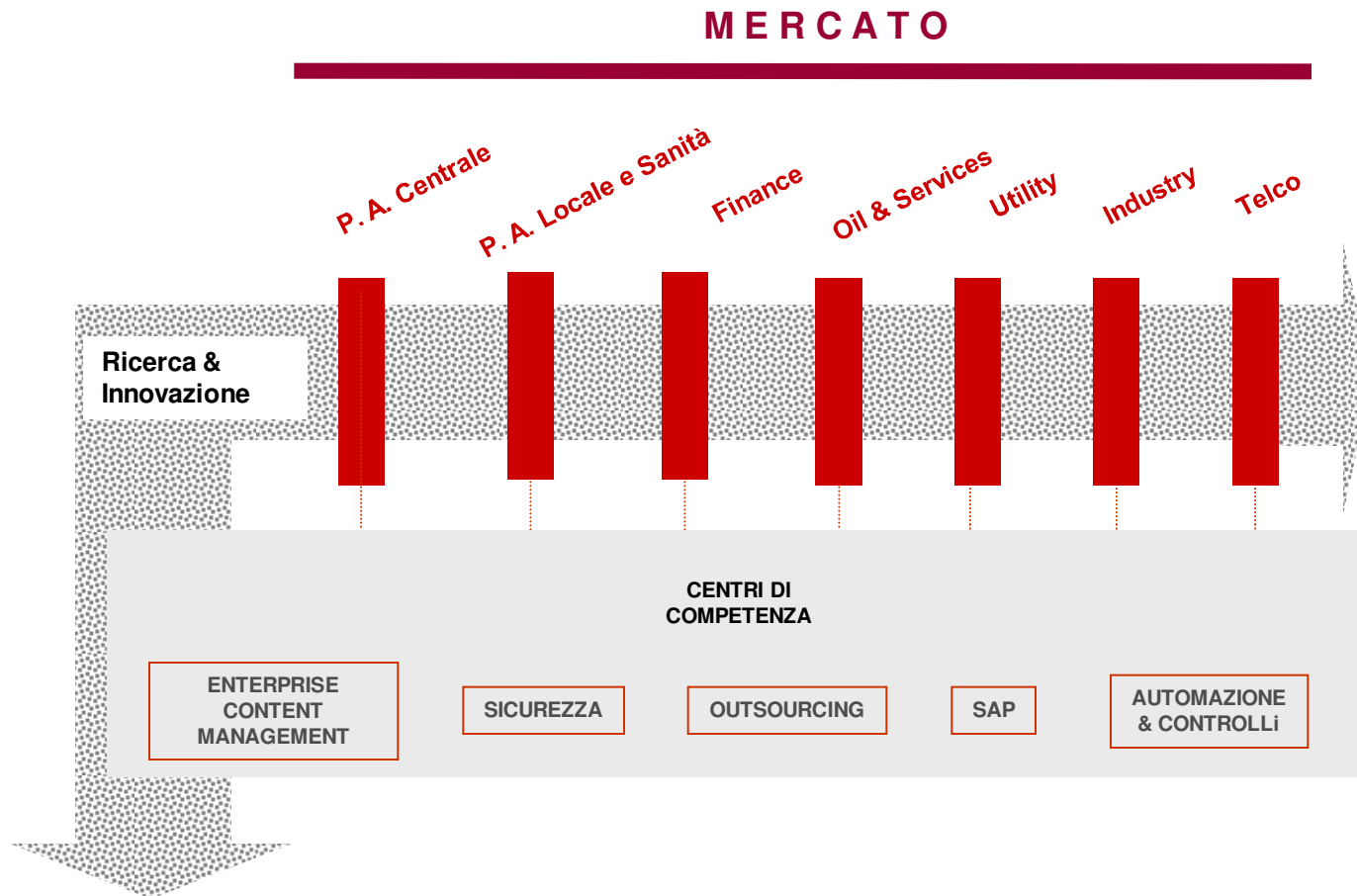
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Engineering customers



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The internal organisation



Engineering and quality

1994	ISO 9000
2002	ISO 9001:2000
2005	SW-CMM level 2
2007	CMMI level 3



Engineering group Data Centre

The services offered by the Data Centre in Pont Saint Martin:

- ✓ application management
- ✓ business process outsourcing
- ✓ facility management
- ✓ Fleet Management, Service Desk
 - Enterprise Monitoring Center, Server & Storage management, Network management
 - Server Consolidation & Virtualization, Disaster Recovery
- ✓ Consultancy services: technological, design and methodologic



ETICS in Engineering Group (a production environment)

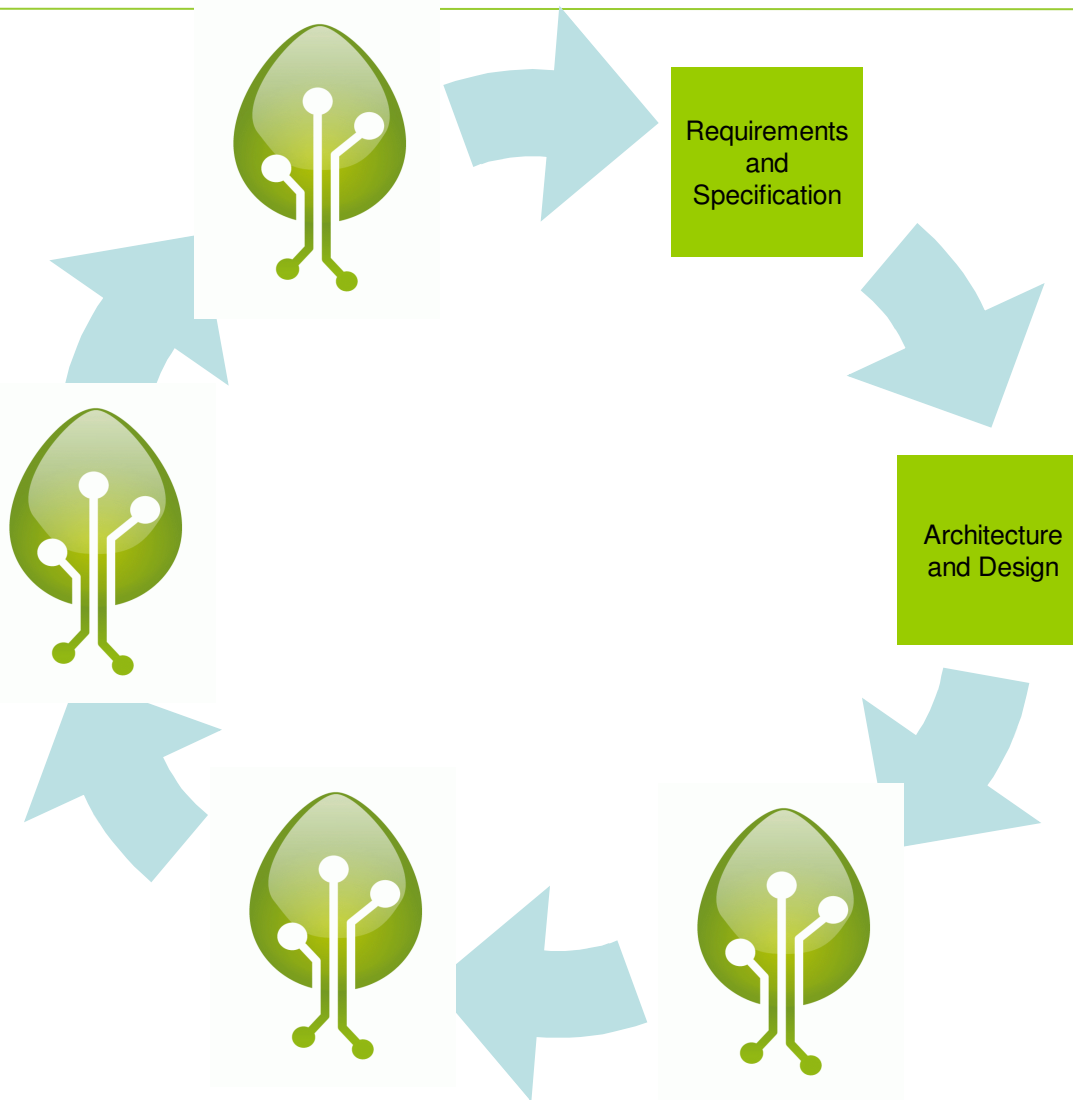


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ETICS ideal context



ETICS supports software professionals



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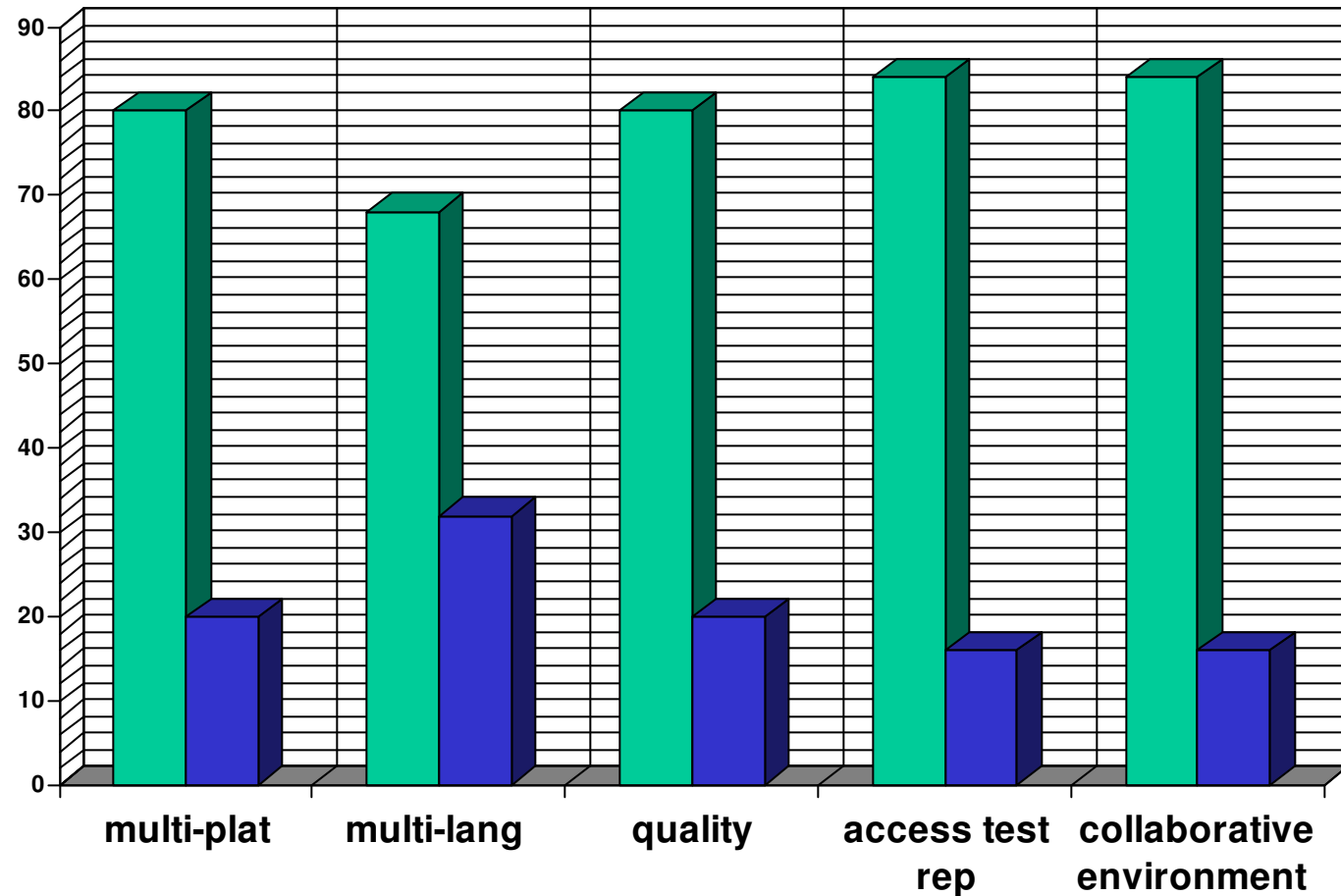
The ETICS survey some outcomes 1/2

- ✓ Often more than one tool is used during the software development process
 - ✓ Building: Eclipse, Maven, Visual Studio, Apache Ant
 - ✓ Testing: Junit, Eclipse, Jmeter, Manual testing
 - ✓ Quality: collection of metrics and following standardised processes and methodologies (CMMI and ISO)
- ✓ Quality metrics are required by customers to evaluate the quality of the software



The ETICS survey some outcomes 2/3

ETICS features raise interest



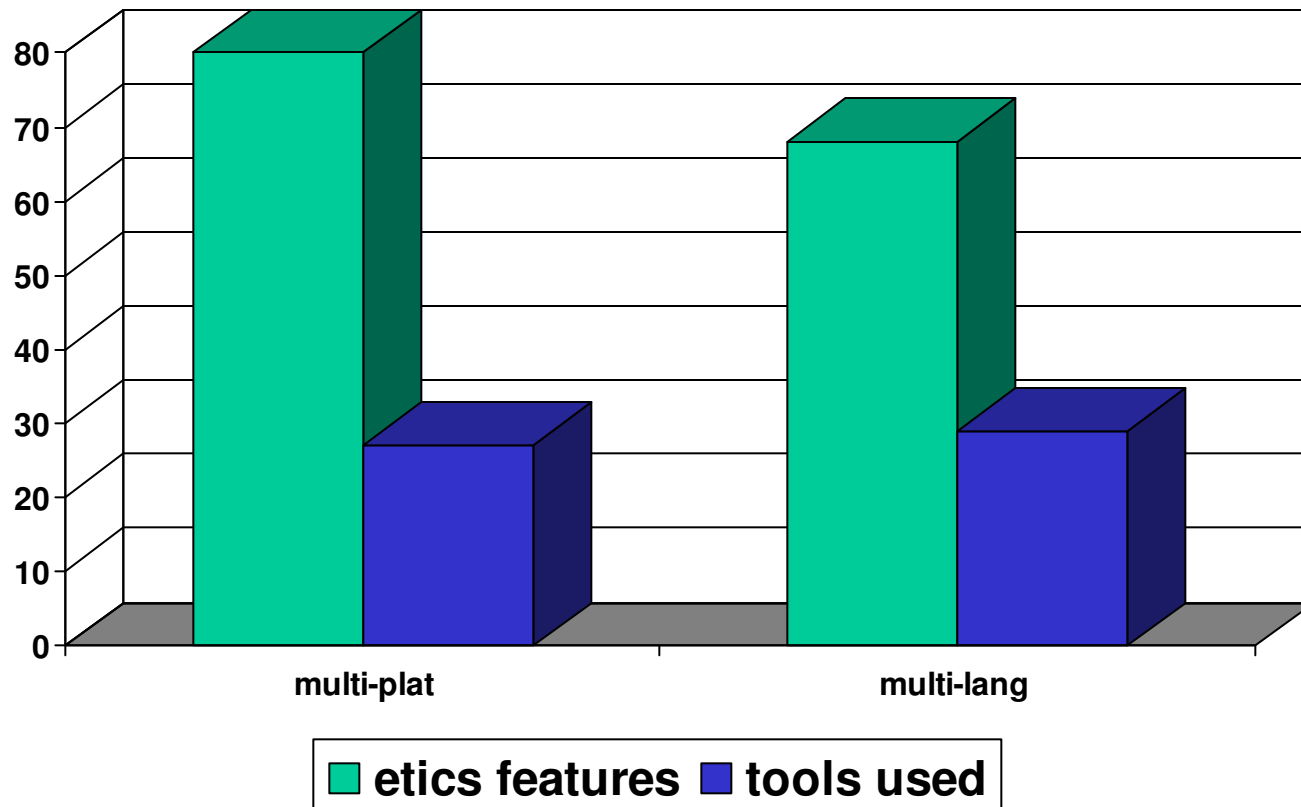
■ interesting and very interesting

■ somewhat interesting and not interesting



The ETICS survey some outcomes 3/3

Relation between the satisfaction towards tools already used and interest towards ETICS features for the cases of multi-platform and multi-language



ETICS roadmap in Engineering

- Installation of ETICS at Engineering (**ongoing**)
- Piloting phase in a production unit (**ongoing**)
- ETICS available through the research group web site also for experimentation from other interested projects (**end of April**)
- ETICS available through Engineering data centre for all production and research units (**according to outcomes of piloting phase**)



Thanks!



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<http://www.eticsproject.eu>

