



GO 4 IT



European Commission
Information Society and Media



ADVANCED TOOLS and SERVICES for **IP6** TESTING

WWW.GO4-IT.ORG

Go4IT project

Dakar 23 October 2006





Reasons for the project

- IPv6 community need « free » or low cost test solutions (tests + tool)
- ETSI has started developing IPv6 test suites using successful test methodologies which means using TTCN-3
- TTCN3 is a powerful test language (www.ttcn3.org) but there is no free or « low cost » open platform
- GO4IT will deliver free IPv6 full test solution and start developing open source free TTCN-3 test platform



Project identity card

■ Integrated Infrastructure Initiative

- Started in Nov 2005
- 30 month FP6 project

■ Partners:

- France (ETSI, jTest, INRIA)
- Germany (inno, Fokus)
- Spain (Cetecom)
- China (BII, CATR, BUPT)
- Russia (Ispras)
- Brazil (IPT)

- Go4IT project intends to provide Research Infrastructure users with free **TTCN-3 based IPv6 testing environment** including *test tools*, *test suites* and the related *services*.

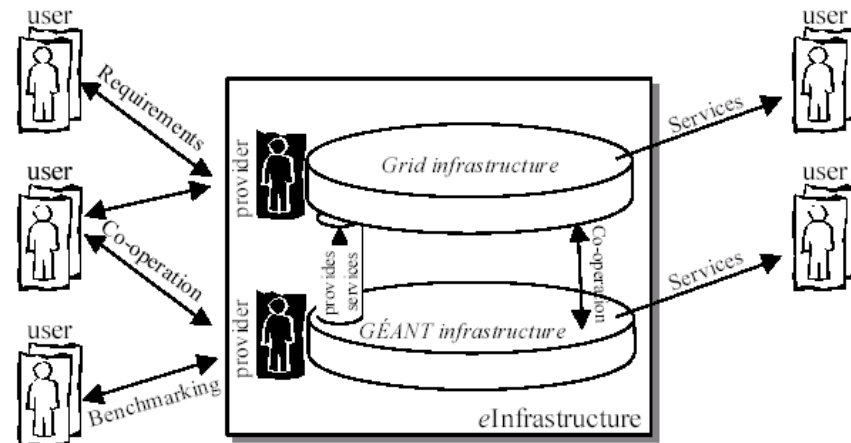


The DG INFSO/ Research Infrastructures Unit

- Go4IT: a project of the DG INFSO – Research infrastructures unit (F3)

- F3 Unit Work programme

- **GÉANT** - provision of a high-capacity and high-speed communications network
- **Grids** - deployment of advanced Grids-empowered infrastructures.
- **Research networking test-beds** - deployment of advanced, user-driven large scale test-beds with the goal to integrate and validate the state-of-the-art technology.





Go4IT activities and services

The GO4IT project intends to provide Research Infrastructure users, the IPv6 development and user communities with IPv6 oriented test tools, test suites and the related services based upon the standardised TTCN-3 methods

- Provide a roadmap to a free, open & generic test environment.
- Develop open & generic test tools for IPv6 protocols.
- Offer free test tools, test services such as plugtest events and related support.
- Raise user communities awareness of testing and validation methodologies.
- Disseminate worldwide.

**Free test support
available on-line now !!!**



Benefits for IPv6 community

- **For academic people**
 - Easy try of conformance testing tools and methodologies
 - Possible creation, debugging and update of test-suites
 - Low cost solutions
 - Capability to implement and test new potential TTCN functionalities (access to the test platform source)
 - Possible re-use of efforts made by the community (share developed components)
- **For test users**
 - Confidence in the test environment
 - Validated test suites
 - Friendly interfaces
- **For industrial users**
 - Get time-efficient validation/certification solution at no or limited costs



Go4IT organisation

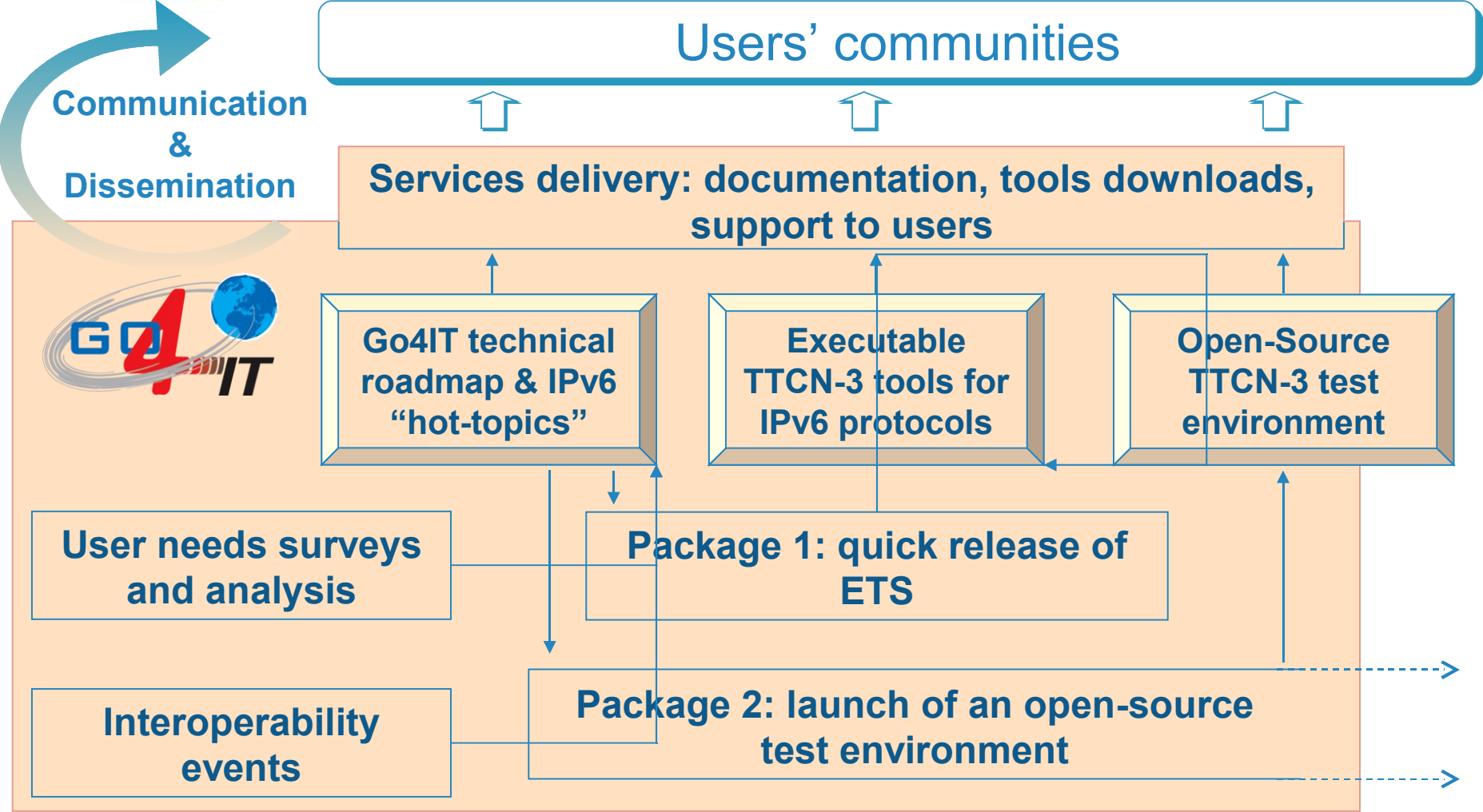
- **Networking activities**
 - Manage and coordinate the project
 - Communicate and disseminate project results
 - Organize Interoperability events

- **Joint Research activities**
 - Identify users needs
 - Define the roadmap toward an open and generic TTCN-3 based test environment
 - Develop new Abstract Test Suites (ATS)
 - Develop and implement the test environment

- **Service activities**
 - Provide Executable Test Suites available for free for download
 - Provide support to Go4IT tools users



Go4IT approach





Go4IT Roadmap

★ Project start

★ Users and market needs analysis

★ Technical roadmap

★ Launch of web-portal

★ Start of community enlargement

★ New IPv6 'hot topics' ATS

Beta version of test environment (Package 1) ★

Final version of test environment (Package 1) ★

Working prototype Package 2 ★

Project end ★

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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Q4-05 | Q1-06 | Q2-06 | Q3-06 | Q4-06 | Q1-07 | Q2-07 | Q3-07 | Q4-07 | Q1-08 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|





Go4IT package 1

- Package 1 will permit quick offer and quick supply of test services to IPv6 community
- It will propose
 - An Executable Test Suite based on the ETSI IPv6 STF276 work
 - An Executable Test Suite based on an IPv6 « hot-topics » ATS to be defined during the users' needs analysis
- As a minimum, all the runtimes required to run the ETS will be provided



Go4IT package 2

- Package 2 roadmap targets a term longer than the project itself
- Package 2 focus is 'open' and 'generic' TTCN-3 test environment
 - Open means
 - Conform to TTCN-3 specification
 - Based on open-source principles
 - Generic means
 - Environment can incorporate user adaptations
 - Use of vendor-specific code into ATS will be avoided
 - Target re-usability of developed modules with other TTCN-3 test environments
- Package 2 propose within Go4IT
 - The technical roadmap
 - An Open Source software forge (subversion based)
 - A working demonstrator of the Go4IT test environment



Welcome to join us ! Call for contributors

Recruitment
campaign
started

Go4IT offers different levels of user participation enabling you to contribute according to your specific interests and competencies.

Involvement can be from "being aware" right up to "active

- **Be informed:** share aims and results while accessing for free the full services offered by the Go4IT project and having the opportunity to give your feedback ... **Go4IT forum**
- **Contribute:** Get privileged access to private information and tools and **participate in technical developments (open-source platform)** and dissemination activities ... **Go4IT factory**
- **Coordinate:** ensure the project deliverables remain aligned to the overall objectives of Go4IT and the interests of individual contributors... **Go4IT consortium**



Feel free to visit our website

<http://www.go4-it.org> & <http://www.go4-it.eu>

- Project information
- Documentation
- News
- Discussion forums
- Dedicated on-line users support



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**Join us and get the benefit of the
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