



FIREWORKS

FIRE Vision

FIA Madrid Session on Usage of experimental facilities based on use scenarios

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Federation of testbeds

- ▶ Interconnection of two or more independent testbeds for
 - ➔ Creation of a richer environment for testing and experimentation
 - ➔ Increased multilateral benefit of the users and providers of the individual testbeds
- ▶ Geographically disperse
- ▶ Technologically diverse
- ▶ Owned by different organisations (administrative domains)
 - ➔ However, considered as being part of a **single resource**
- ▶ Common management framework under a common management authority
- ▶ Dynamic and evolve over time based on the **requirements of the users**



Many Requirements

- ▶ Business requirements
- ▶ Technical requirements
- ▶ Scientific requirements

Involve the user
Incubator for innovation



Vision for the FIRE facility

- ▶ Become the core for the European testing and experimentation market
 - ➔ Evolve to cover the global market
- ▶ High-quality test centre, trustworthy partner and an integral part of European R&D in FI/NGNW
- ▶ Reference point for standardisation in the sector
- ▶ Undertake versatile activities
- ▶ Fast processes
- ▶ Offer well-productised services

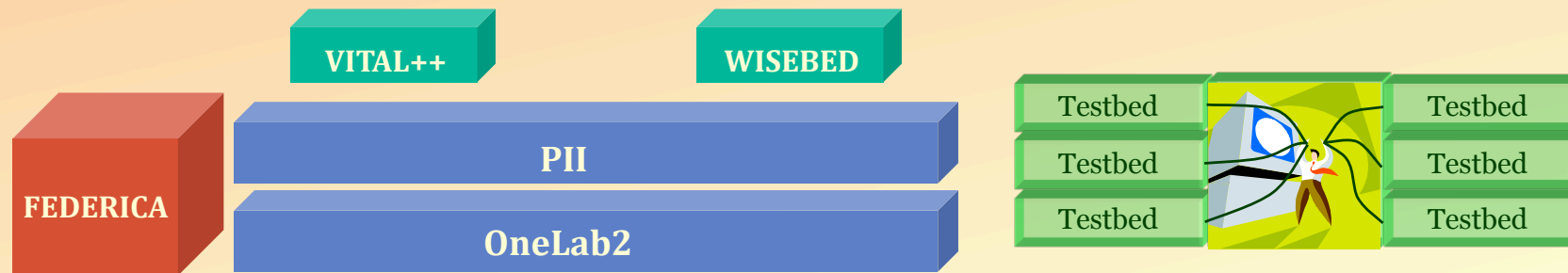


FIRE – current projects

Experimentally-driven, multi-disciplinary research



Building the experimental facility

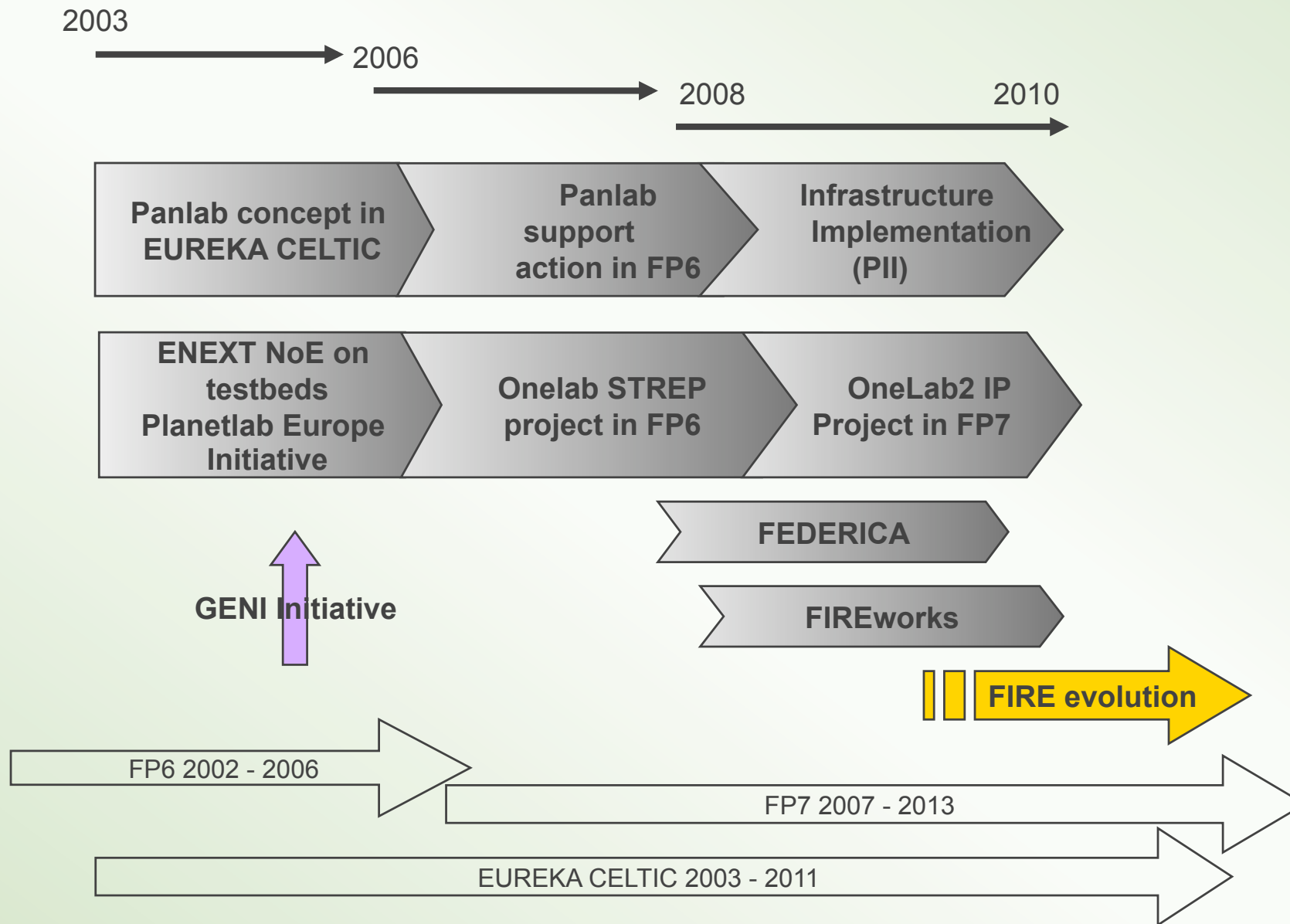


Support actions








FIRE evolution





An attempt to compare FIRE offerings

			
Context	<ul style="list-style-type: none">• Converged Telecom/ Internet Service & Network Environments• Industry focus	<ul style="list-style-type: none">• Distributed system• IP networking• Research focus	<ul style="list-style-type: none">• Networking Research• Network technology agnostic environment• GÉANT, NRENs
Platform	<ul style="list-style-type: none">• SOA-NGOSS (e.g. to federate IMS based testbeds among themselves and with others)	<ul style="list-style-type: none">• PlanetLab – both public and private versions	<ul style="list-style-type: none">• Gigabit transmission equipment and computing nodes both capable of virtualization
Focus	<ul style="list-style-type: none">• Converging network, service platform and application infrastructures• Complete Control over Dedicated Resources• Reproducibility	<ul style="list-style-type: none">• Shared Resources• Real World Environment• Applications enduring over time• Partial Control• Variability	<ul style="list-style-type: none">• Virtual slices composed of networking and computing resources• Isolation of experiments in slices• Operational environment• Reproducibility & monitoring



FIREWORKS

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Repository

- Testbed Questionnaire
- Discover testbeds

Testbed repository

Dear testbed operator,

With the help of PII, FIREworks is coordinating the building of a testbed repository and is inviting you to submit information about your testbed. Please submit information about your testbed filling out the [→ testbed questionnaire](#). Feel free to discover testbeds by peeking the list of testbeds or [→ interrogating the repository](#).

Kind regards,

Susanna Avessta
FIREworks co-ordinator

Anastasius Gavras
PII co-ordinator

List of testbeds

details	Testbed name	technical contact	email	telephone	Principal sector of activity
Show details	ANEMONE	Antoine Boutet	antoine.boutet@irisa.fr	+33 (0)2 99 84 75 80	Information technology
Show details	ArcLabs	Frances Cleary	fcleary@tssg.org	0035351302919	Telecommunications
Show details	Beyond-3G Testbed	Stephan Schier	stephan.schier@dai-labor.de	+49 30 314-74008	Telecommunications



Next call for FIRE projects June 2009

