Go-Lab W.P. 5, Apps

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Paradigma del Smart device

Task 4.1 → Smart device

Participantes → EPFL y UNED

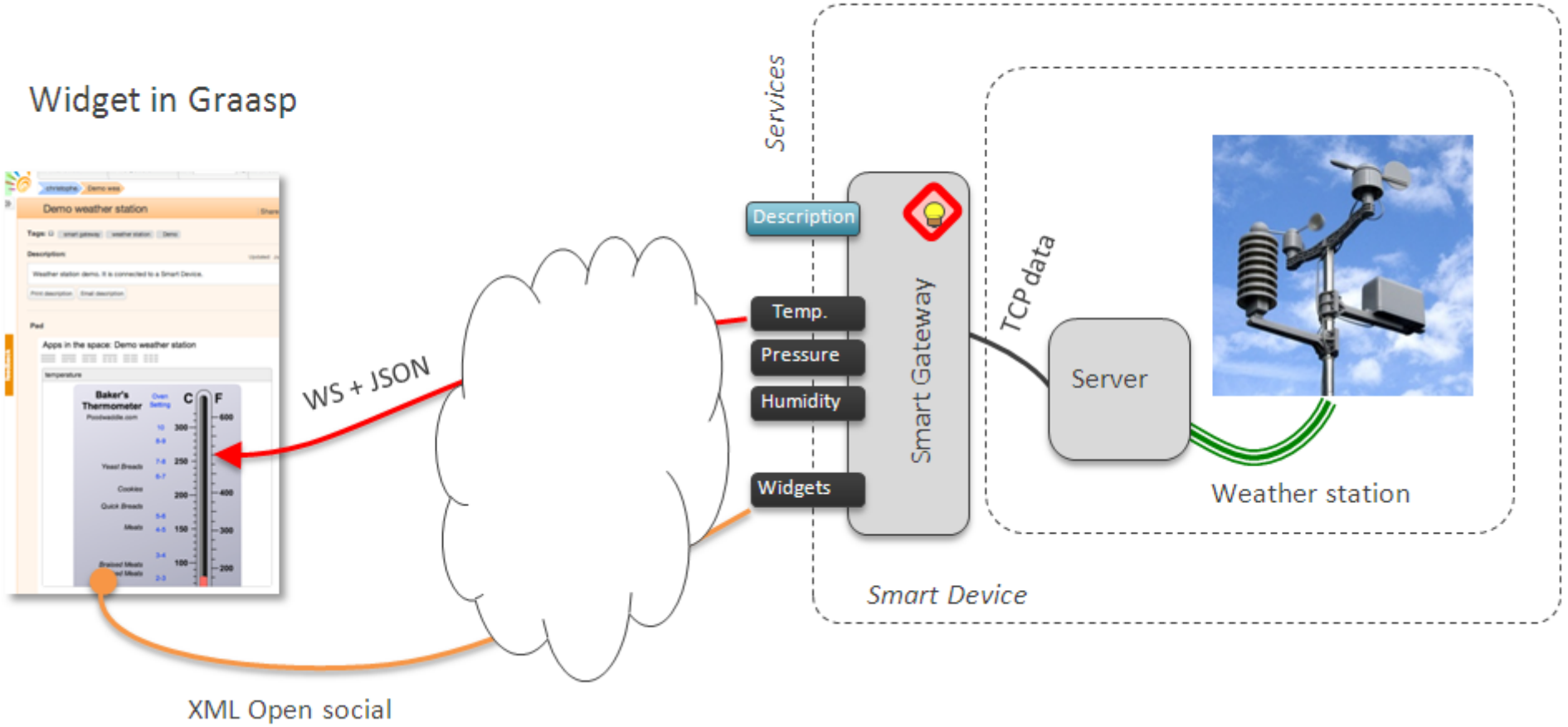
- Formal pilot stages, participatory design cycles, and iterative and incremental Web development

- Existing internal labs from organizations (M12)
- Adapted internal labs from partner Universities (M24)
- External labs from repositories and the cloud (M36)

- Phase A – 100/100 M16-M21
- Phase B – 400/1000 M25-M33
- Phase C – 500/10'000 M37-M45

- *Graasp* Portal PD and Phase A
- Initial Go-Lab Portal (M24) -> Phase B
- Final Go-Lab Portal (M36) -> Phase C
- Sustainable Go-Lab Portal (M48)

Paradigma del Smart device



Paradigma del Smart device

Apply smart devices paradigm to existing Remote and Virtual Laboratories. i.e. add the needed functionalities/"intelligences"

- Deconstruction into services: Identify current services, i.e. source/sink of information. Deconstruct monolithic labs into "simple" services (this can be done through another proxy computer while the existing lab remain the same). Document, describe and report services in the federated repository (WP5). (We need to specify how we describe services). Add missing services. Note: on the client, side services will be accessed through widgets (WP5-6) to build a complete application.

- Cloud/plug labs federation construction: autonomously discover and communicate with peers, within and across institutions (smart devices will do it autonomously or guided by other means). Extend smart device collaborative support. Add load/user balancing functionalities (smart device knows about itself and other peers, we need to design load balancing algorithm)

Ejemplos

http://go-lab.gw.utwente.nl/sources/

http://shindig.epfl.ch/gadgets/ifr?nocache=1&url=http://go-lab.gw.utwente.nl/sources/tools/hypothesis/src/main/webapp/questioning0.5.xml

http://golab.collide.info/web/ilsPrototype1/ilsPrototypeB.html

Institutos – aplicaciones para el usuario

Colaboración con Institutos de Madrid para el desarrollo de aplicaciones que se necesiten en los Institutos, y solicitadas por los profesores y estudiantes para su uso concreto

- Instituto Ramiro de Maeztu
- Institutos Gredos San Diego
- Otros

Diseño desde el principio de un laboratorio remoto para experimentación, scafolding, aplicación docente, desarrollo y evaluación – integrando equipo de desarrollo y experimentación

Ampliación a otros Institutos con componentes tecnológicos en Madrid como parte de la diseminación del proyecto Go-Lab