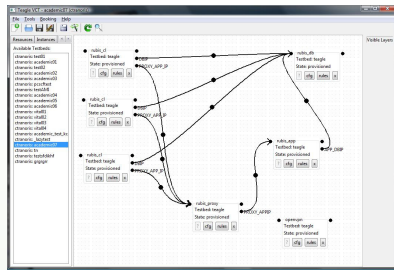




# **Panlab Federation Framework Service offering**

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## Concept and components



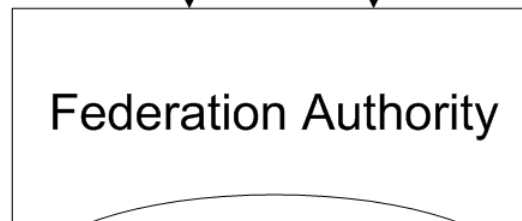
search, request & configure infrastructure

Resource User

describe & configure resources

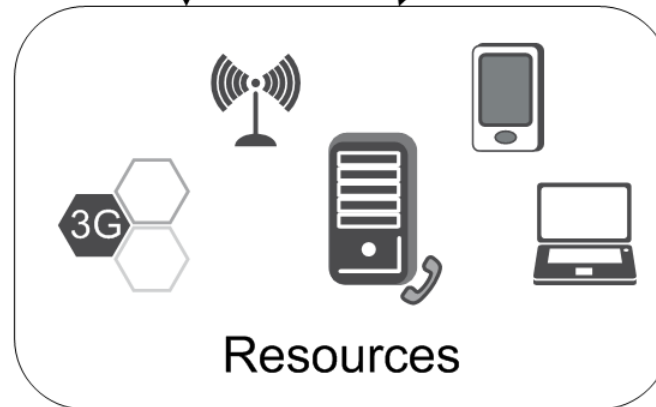


Resource Owner

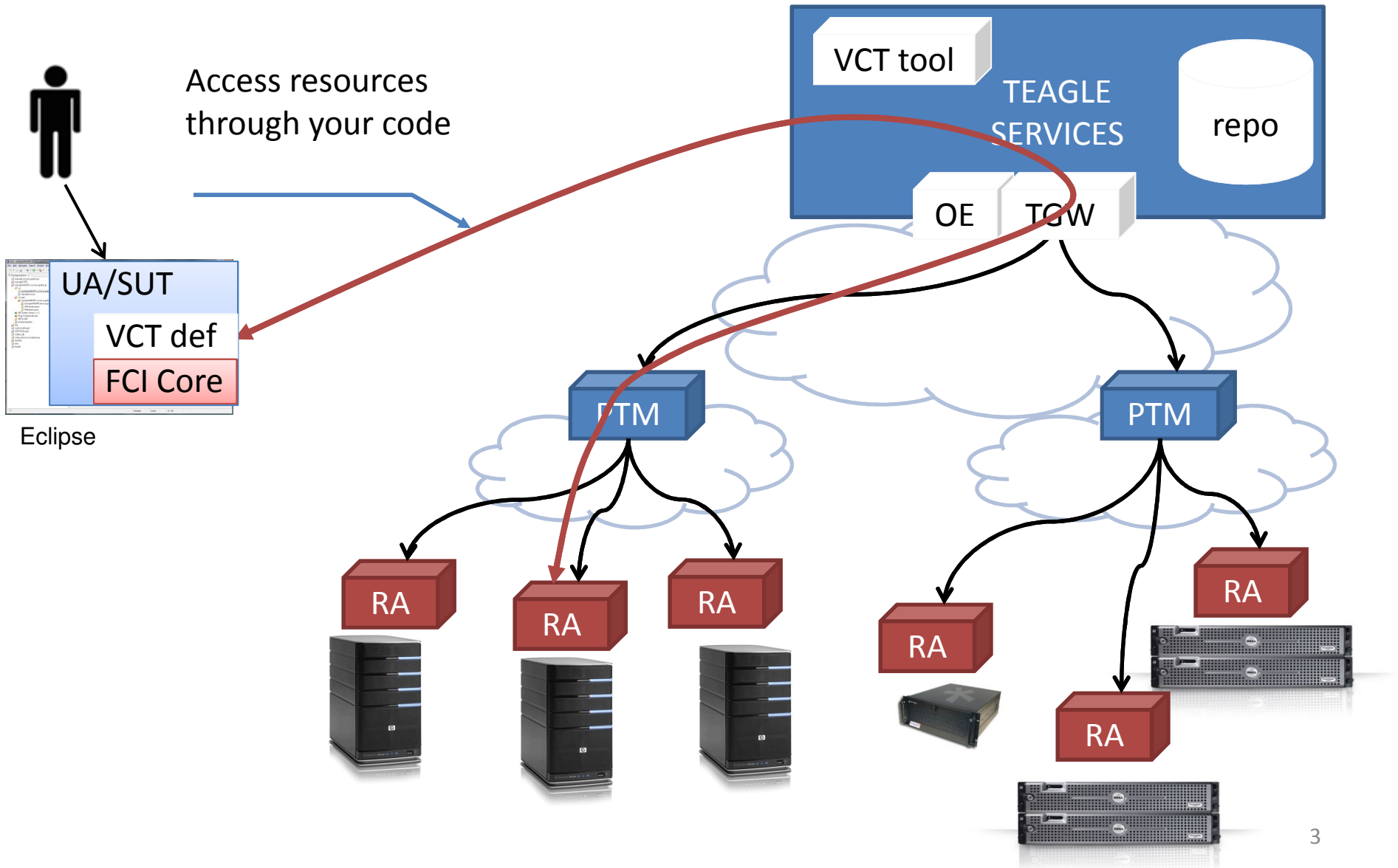


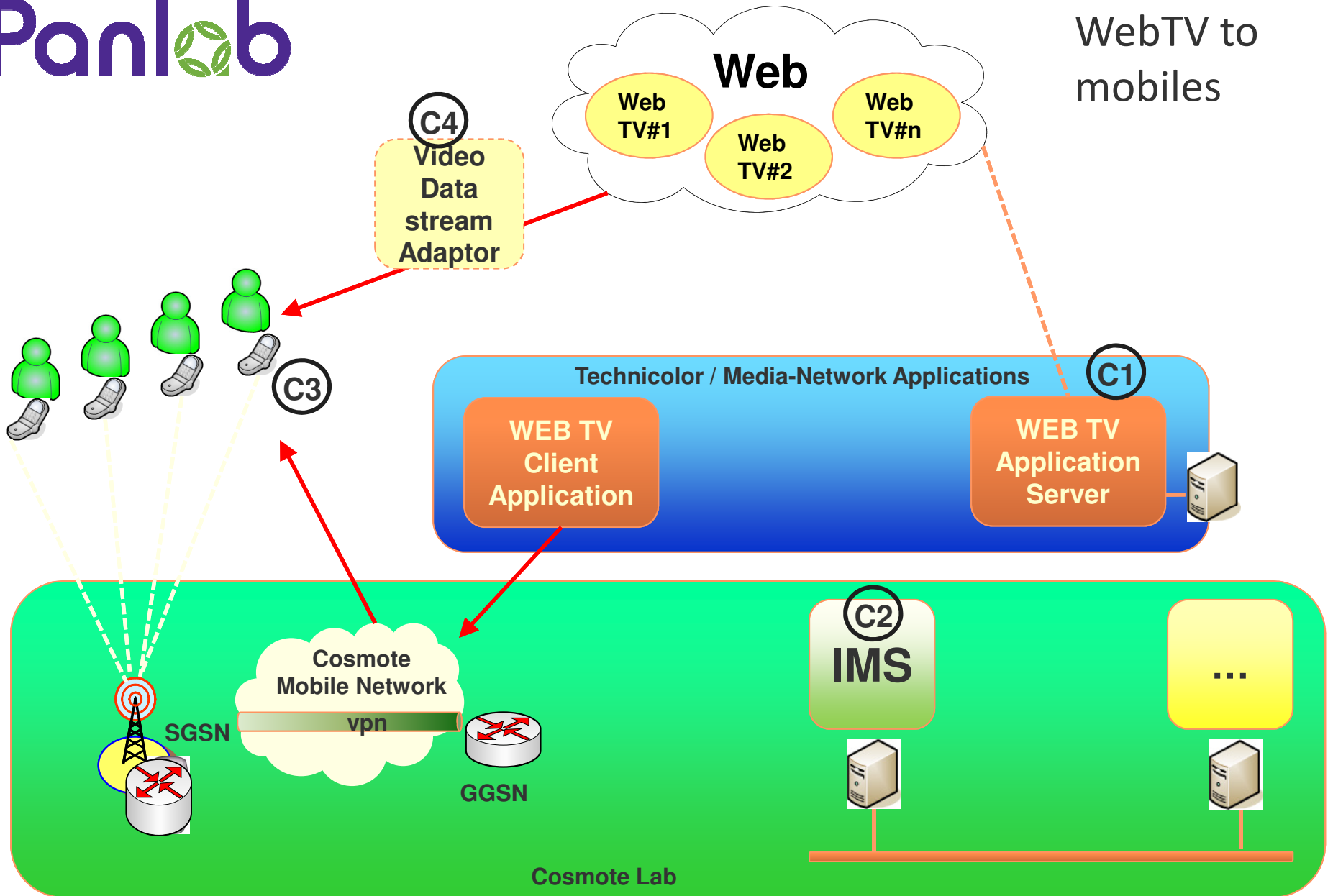
control resources

install, configure & manipulate resources



## Admission control algorithm controls testbed via Federation Computing Interface





# Pool of resources in PII testbeds

Location	Testbed	PII integration	Available after PII
Ireland, TSSG	Carrier grade open access IMS; access i.a. fibre, Pico/Femto; several functions	No, but possible	Yes
Ireland, TSSG	OpenIMS	RAs available	Yes
Ireland, TSSG	Real time RF spectrum analyser	No, ?	Yes
Berlin, Fokus	3GPP EPC and Next Generation Mobile Networks testbed	No, but possible	Yes
Berlin, Fokus	Future Internet Research Testbed	No, but ongoing	Yes, used also in Onelab2, G-Lab
Berlin, Fokus	OpenIMS	Yes	Yes
Berlin, Fokus	SOA and NGN testbed	Mostly no, but possible	Yes
Athens, Cosmote	IMS subscriber provisioning	Yes, with WebTV (server in MN)	?
Athens, Cosmote	HTTP, XMPP, Video Streaming, carrier IMS, OpenIMS, Femto APs, Computing Resources	Partly ongoing, mostly possible, some RAs available	?

# Pool of resources in PII testbeds

Location	Testbed	PII integration	Available after PII
Oulu, Finland	Full Carrier IMS with AAA, range of application servers; OpenIMS, several access networks, computing resources	Some components integrated, SelfNet use case	?
Brittany, France	NGN with carrier IMS core; fibre and 4G access; connected to users	Partly yes (e.g. WebTV use case) Partly ongoing	Yes
Patras, Greece	NGN OpenIMS; IP-PBX; media streaming, conferencing, VoIP; computing resources	Yes (used in several use cases)	Yes
Madrid, Spain	TID Service Delivery Platform with (limited) access to operator network	Yes (messaging, presence, contacts,)	?
Montreal, Canada	Cloud, optical switches, streaming servers	Mostly yes (RAs for Federica)	Mostly yes
Paris, France	Power Line Communications Evaluation Platform	RAs under construction	?
Palermo, Italy	Carrier grade infrastructure	Limited, some RAs	?