WP5– Flagship Deployment

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WP Objectives

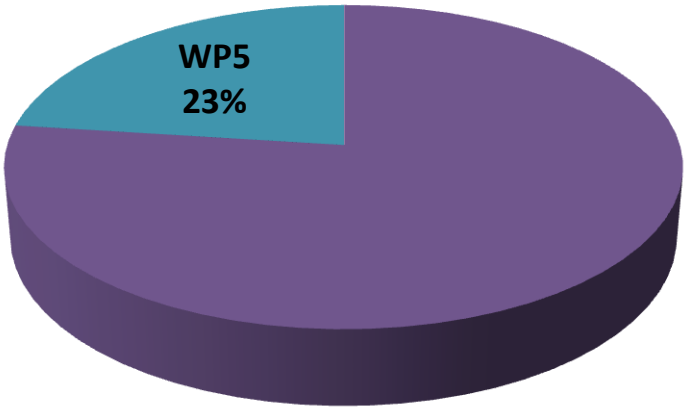
- Porting of the flagships to the cloud infrastructure provisioned by WP4. Evaluate and iteratively refine the deployment environment based on the need to improve the capabilities of each flagship.

Specific goals

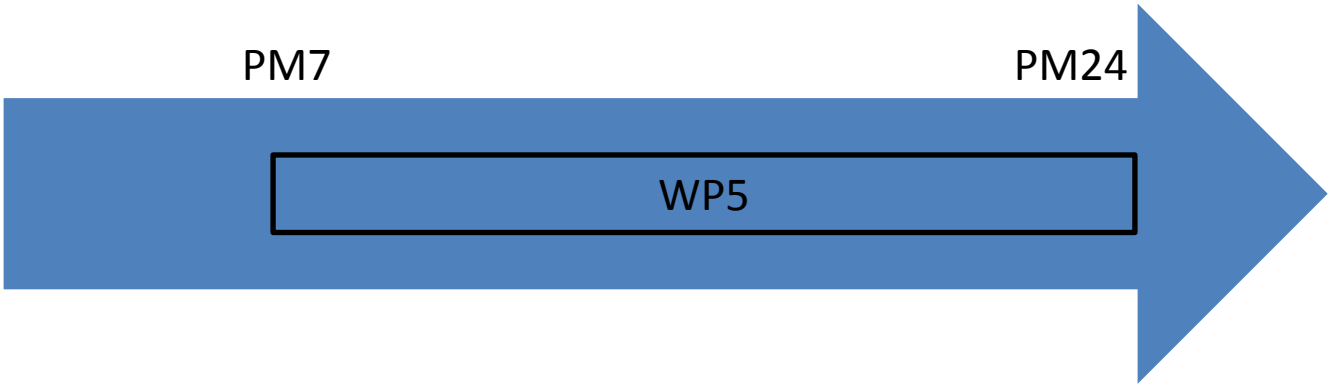
- To initially deploy the three flagship applications on the cloud infrastructure, at a limited scale, in such a way that the flagships can be used by their intended user communities;
- To assess the success of the deployments in terms of key evaluation criteria to be defined by each flagship;
- To move to a full scale deployment based on the results of the initial deployments and any necessary refinements of the application or deployment environments.

Effort Contribution

- Lead Beneficiary: Logica Germany



Person-Months per Participant	
Participant	**Person-months**
CERN	15.00
EMBL	15.00
Logica Germany	10.00
CNR	5.00
CSA EMEA	1.00
TOTAL	**46.00**



Recommendations from P1 review

- Evaluation of the porting of applications (also intra providers) and of the overall performance of the “seamless environments” needs to be carefully assessed in the second period of the project

- The complexity of the multi-service/multi-provider federation might require more effort than planned and it should be approached with a proper contingency plan

- The core of this Work Package is expected in the second project period

WP3 (CGI): Representation of requirements

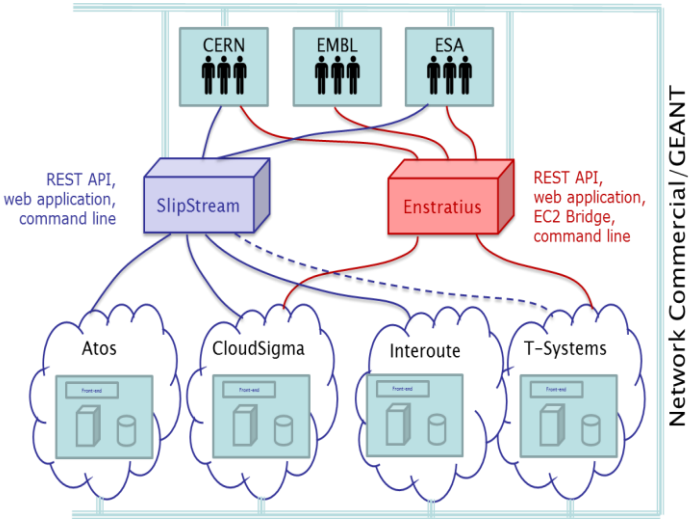
- The representation of requirements, scope of this WP has been achieved with economies in person months that should be reinvested in the deployment phase
- Possible adjustments in terminology could be needed in a later phase of WP7 to better match with business models innovation
- The tool to gather the requirements should be consolidated and used to collect a sample of other possible user communities (e.g. new candidate deployments or e-infrastructures VRCs) and eventually adjusted: benefit to the business models' definition is then foreseeable, acquiring a more extended set of requirements

Implementation of recommendations

- Remaining 2.33MM from WP3 transferred to WP5 to cover increased complexity of deployments
- Complexity mitigated through regularly coordination and alignment calls
- Questions contained in requirements framework updated and completed for PIC flagship

Scientific/technical achievements and their impact

- All three flagship deployments were successfully completed
  - Helix Nebula Marketplace (HNX) Launched May 2014
  - Further round of deployments undertaken H1 2014
- Deployment findings analysed and documented in D5.4
- Future technical requirements documented in D5.2 addressing current limitations and possible extensions



Exploitation and use of foreground

- Helix Nebula Marketplace Production Service
- D5.2 -> Roadmap of future functionality for the brokerage service
- On-Boarding of new PoC candidates (PIC & DIGIT) building upon lessons learnt to date

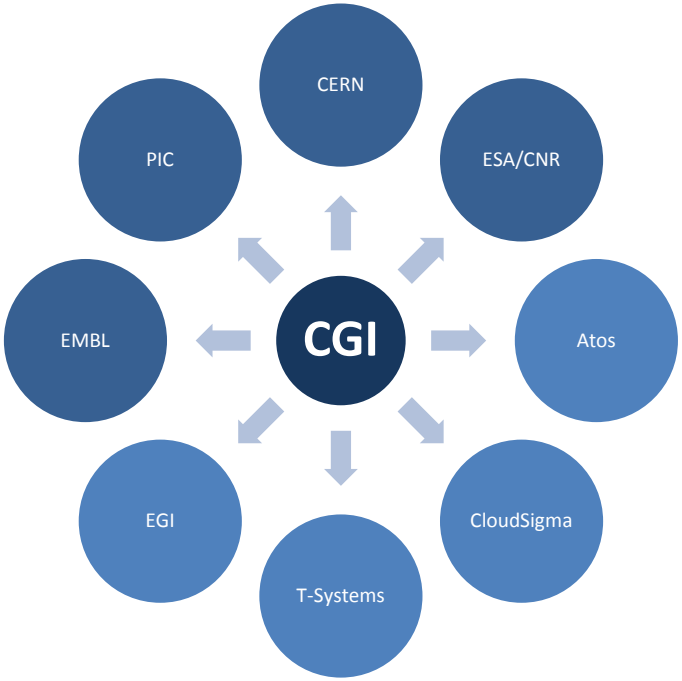
Deliverables and Milestones – Period 2

Type	Del. no	Name	Nature	Dissemination level	Date Delivered
Deliverable	D5.2	Report on future technical requirements	Report	PU	June 2014
Deliverable	D5.4	Final Flagship deployment report	Report	PU	June 2014
Milestone	MS13	MS13 Workshop during GA4 to provide input to the final evaluation, assessment and report	Milestone	PU	March 2014

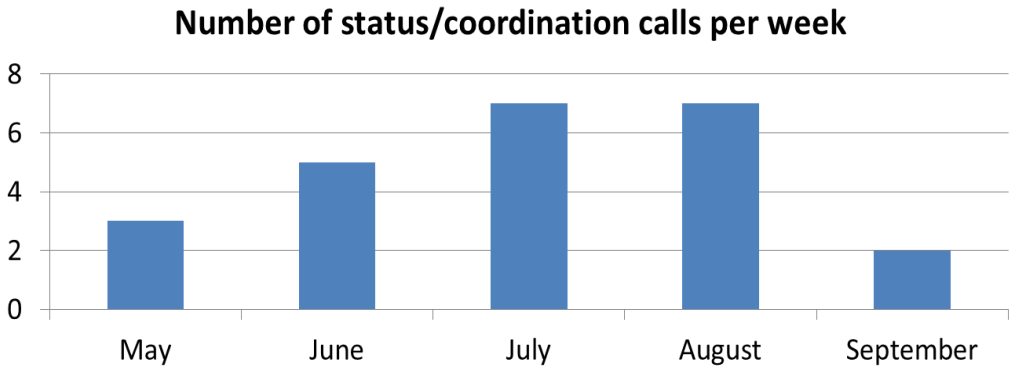
Overall modifications, corrective actions, re-tuning of objectives

- Remaining 2.33MM from WP3 transferred to WP5 to cover increased complexity of deployments

Collaboration with other beneficiaries



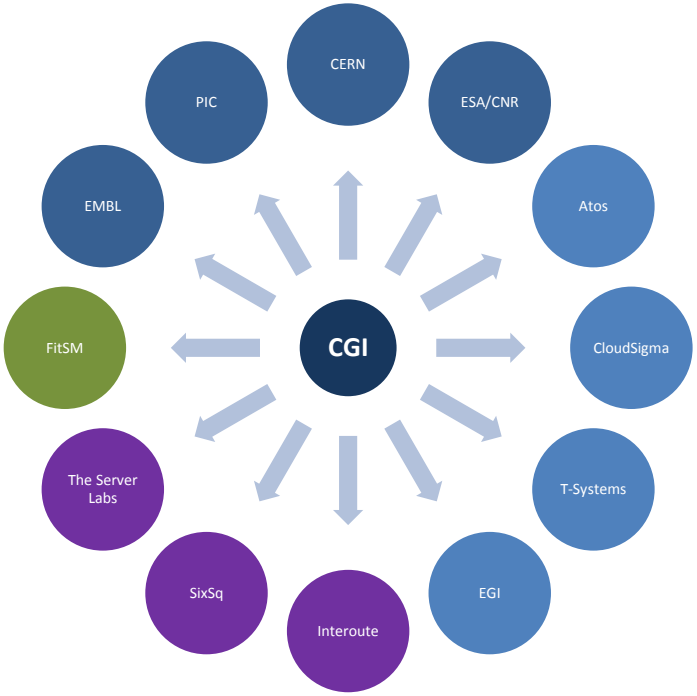
		Dates of Conference Calls													
		2013-05-07	2013-05-14	2013-05-21	2013-05-28	2013-06-04	2013-06-11	2013-06-25	2013-07-02	2013-07-09	2013-07-16	2013-07-23	2013-07-30	2013-08-06	2013-08-13
Participating Organisations	CERN	2	1	1	1	1	1	2	1	1	0	0	0	0	1
	ESA	4	2	2	2	1	1	2	1	3	2	1	1	1	1
	EMBL	4	1	1	1	1	2	3	1	1	1	1	1	0	1
	The Server Labs	1	1	1	1	1	0	1	0	1	1	0	0	0	0
	SixSq	2	1	1	1	1	0	1	0	1	1	0	0	0	1
	T-Systems	2	1	1	4	2	3	3	2	2	1	3	3	2	0
	CloudSigma	1	0	1	1	0	0	0	0	0	1	0	0	0	1
	Interoute	1	0	0	0	0	0	1	1	1	1	0	1	1	0
	Atos	3	3	3	3	2	3	2	0	2	2	1	0	1	2
	Logica	2	2	1	2	2	2	2	1	2	2	2	1	2	2
	EGI	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	Total	22	12	12	16	11	12	17	7	14	12	9	8	8	9



Interaction with other FP7 projects, and stakeholders outside the consortium

FitSM

Standards for lightweight IT service management



Contribution to the dissemination of project results

- CloudScape 2014 – Helix Nebula – The Supply Side