

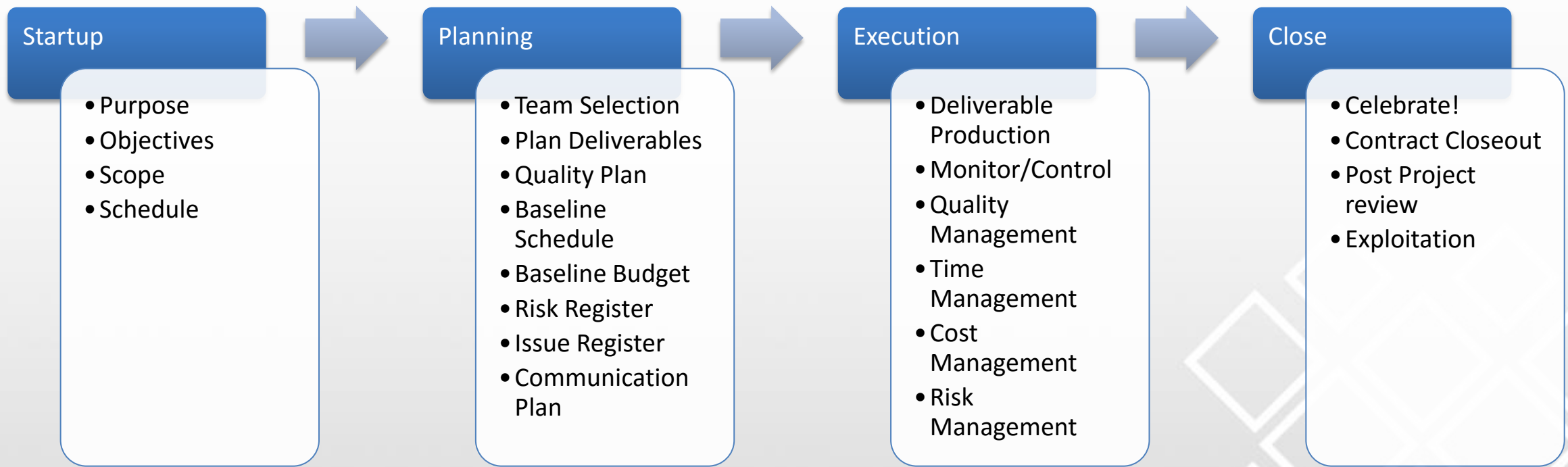


Mapping priorities and future collaboration for your projects

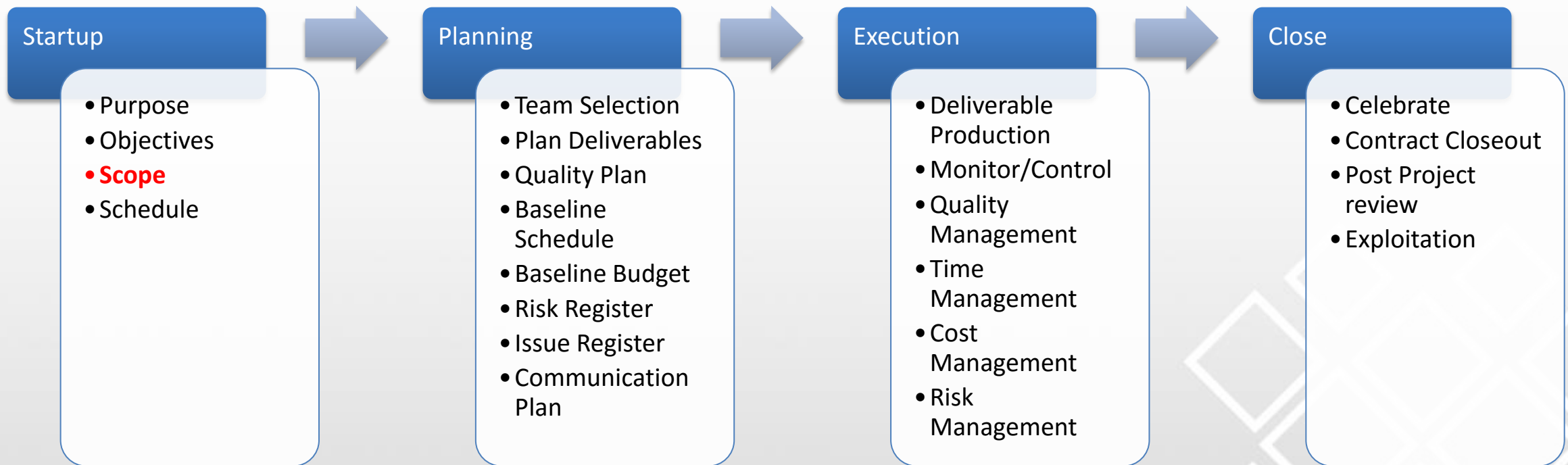
David Wallom
University of Oxford



Project Lifecycle

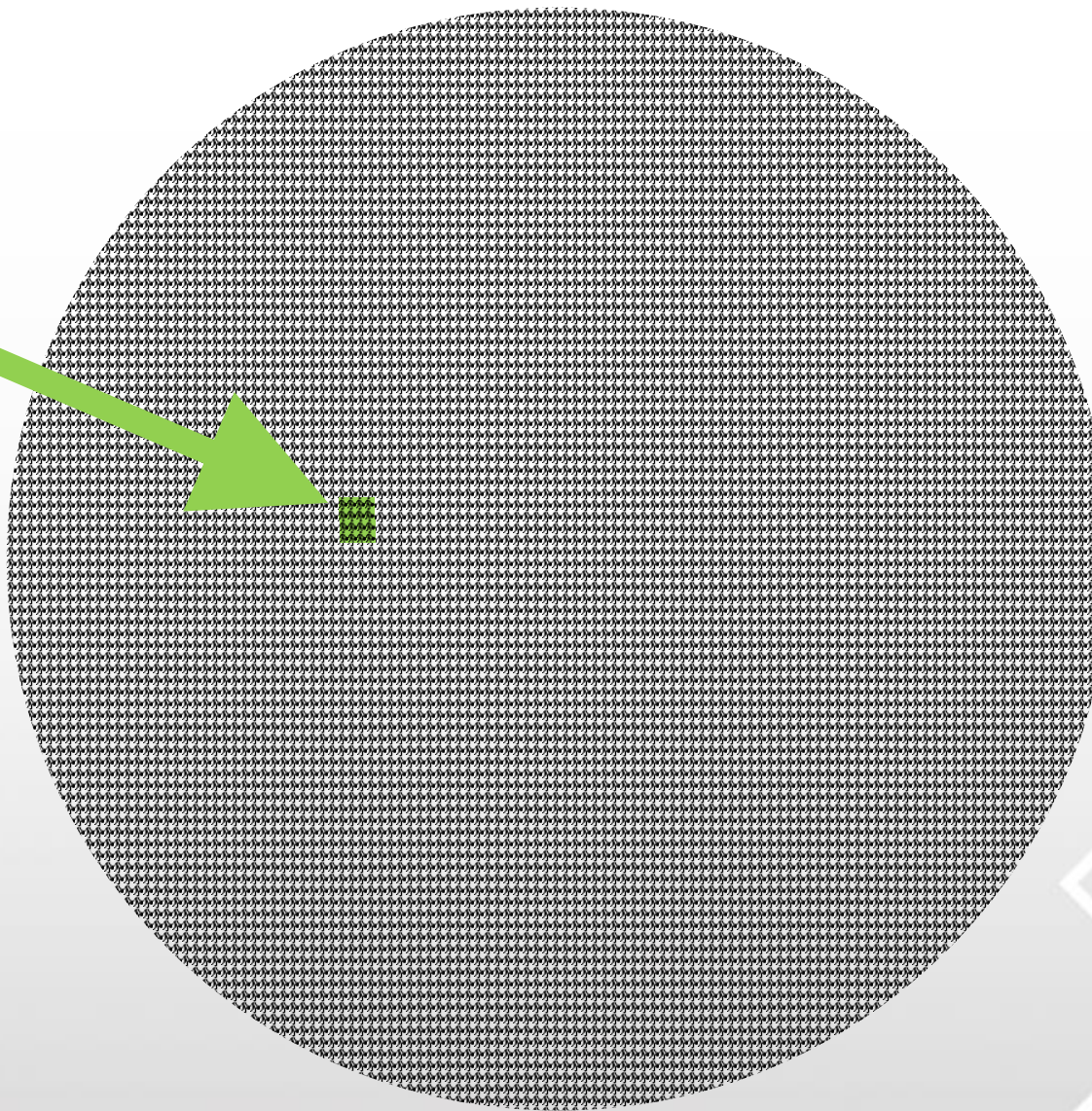


Project Lifecycle



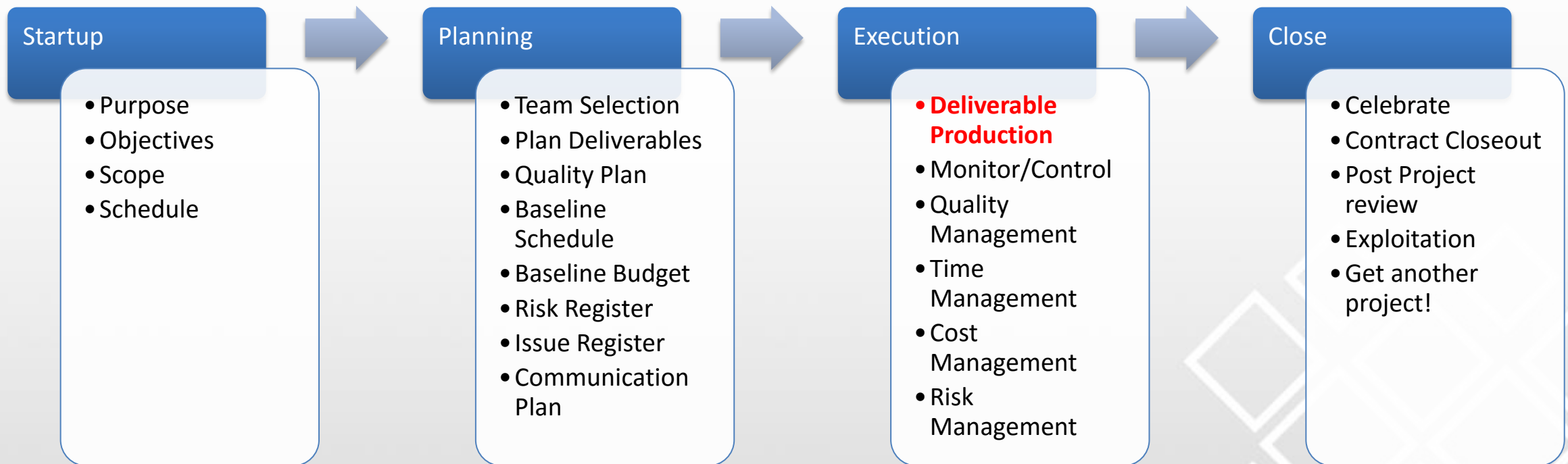
Specific
technically
relevant
projects in your
domain

Your project!



All past and present EC & national, commercial & private sector projects in the same domain as your project

Project Lifecycle

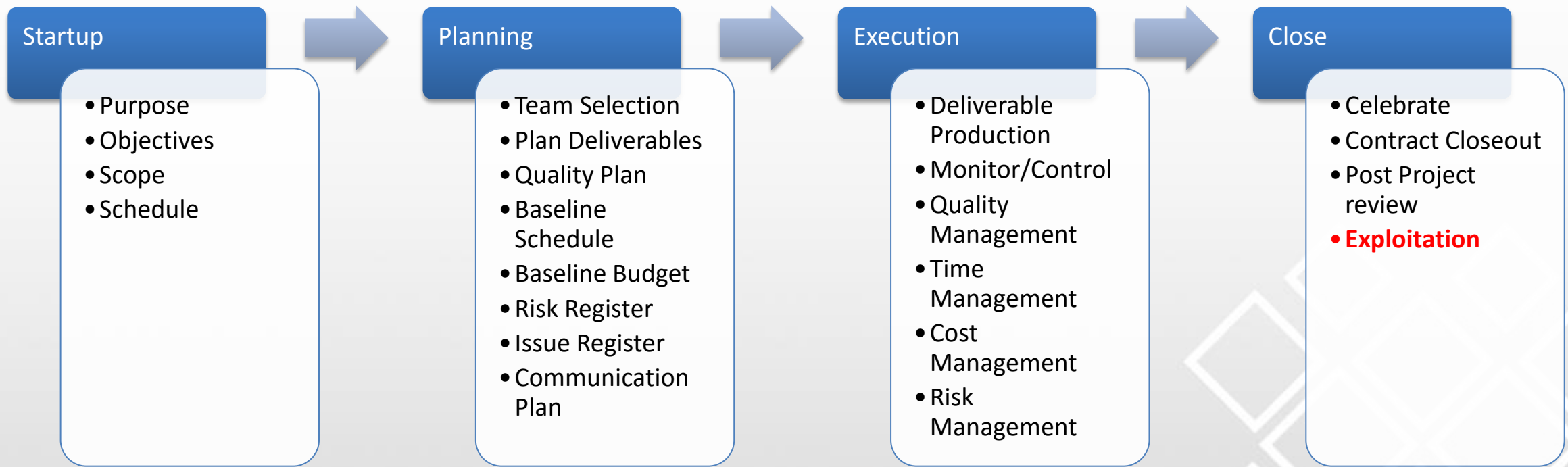


Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	Delive- rable Number ⁶¹	Deliverable Title	WP number ⁵³	Lead benefi- ciary number	Estimated indicative person- months	Nature ⁶²	Dis nat ⁶³																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
D11.1	Existing smart meter network capabilities and adaptation for interconnecting the messaging layer		operating using a set of systems	D14.4	Static and quasi-dynamic smart meter datasets and occupancy models		produced in D21.4 on utility-derived test network data	D23.3	Analysis and evaluation of new DMS functionality		processing with an HPC toolset	D52.5	Contractual periodic reports	52	1	3.00	R		RE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		D12.5	Initial requirements and system specification of the HPC platforms and architectures		D14.5	Characteristics of massive smart meter datasets	D21.8		Data usage for better quality of service, fault restoration and asset management	D23.4	Cost-Benefit analysis of new generation of DMS functionality	D32.4	Structure of future field trials	D52.6	Reports concerning project collaboration	52	1	3.00	R		RE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
D11.2	Messaging layer software package			D13.1				Feature extraction methodology and on the probabilistic sensor data model				D14.6	State and extent of IEDs and weather datasets									D22.1	Distribution state estimation results for distribution network automated functions	D31.1	HPC architecture and platform standardisation for developmental support of novel DMS functionality	D41.1	Enhanced ICT and SCADA resources arrangements	D52.7	Risk Plan	52	1	1.00	R	RE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
D11.3	Common interfaces and protocols for data acquisition in electrical networks	D13.2	First performance test of the data mining platform		D21.1	Requirements for a distribution network state estimator	D22.2		Hierarchical architecture of control tools and SCADA	D31.2	Scalable data processing and high speed communications to provide novel DMS functionality			D42.1	Service Restoration tests results	D52.8	IPR Guideline	52	1	1.00	R					RE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				D11.4				Messaging layer software package				D13.3	Algorithms and proto-type for pattern detection in probabilistic data streams and data mining	D21.2	Scalability of existing state estimation algorithms and distribution network estimation suitability	D22.3	Software architecture for state estimator and asset management system integration	D31.3	Initial testing, benchmarking and comparison of novel DMS functionality	D42.2	Spanish testing and field trial process	D52.9	Exploitation plan	52	1	2.00	R	RE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
D11.5	Initial requirements and system specification of the real-time messaging layer	D13.4	Proto-type data mining platform and its interaction with the hardware architecture	D21.3	Integration of smart-metering information into scalable state estimation	D22.4	New DMS functionality using control capabilities of distributed generators and loads	D31.4	integration of near to real-time scalable state estimation on HPC platforms to support novel DMS	D43.1	HPC platform testing specification									D51.1	Plan for using and disseminating of knowledge								D51.2	Project web site	D51.3	Project brochure, project presentations and posters	D51.4	Final project report	D52.1	Progress Reports	D52.2	Plans for quality and testing	D52.3	Financial statements	D52.4	Detailed work plan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
										D12.1	HPC Architecture and performance criteria used for selection	D14.1	State and extent of existing datasets	D21.4	Positioning of sensors in the network for estimation accuracy	D22.5	Use of distribution state estimation data for asset management decision support	D32.1	Criteria for deployment of sensors and instrumentation			D51.2	Project web site	D51.3	Project brochure, project presentations and posters	D51.4	Final project report	D52.1															Progress Reports	D52.2	Plans for quality and testing	D52.3	Financial statements	D52.4	Detailed work plan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
D12.2	Prototype deployment of selected HPC architecture	D14.2	Static and quasi-dynamic medium voltage datasets for the target trial areas	D21.5	Scalable distribution state estimation software	D23.1	Prototype network restoration algorithm	D32.2	Specification for standard network field trials	D51.2	Project web site									D51.3	Project brochure, project presentations and posters								D51.4	Final project report	D52.1	Progress Reports	D52.2	Plans for quality and testing	D52.3	Financial statements	D52.4	Detailed work plan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
D12.3	Interaction between the HPC software and hardware platforms and the impact of federating											D14.3	Static and quasi-dynamic MV and LV reliability, weather datasets and occupancy model	D21.6	Experimental feedback on the proposed algorithms and sensors positioning	D23.2	Small-scale DNO smart grid requirements	D32.3	Proto-standards for data acquisition for			D51.2	Project web site	D51.3	Project brochure, project presentations and posters	D51.4	Final project report	D52.1											Progress Reports	D52.2	Plans for quality and testing	D52.3	Financial statements	D52.4	Detailed work plan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		D12.4	Performance of the HPC platform																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

What do other think of your deliverables?



Project Lifecycle



Impact

'an **effect** on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia'

Recap...

- ◆ When starting the project how do I find paths already trodden for good & bad?
- ◆ How do I ensure quality and relevance of deliverables from my projects?
- ◆ How do I ensure dissemination of my project outputs to relevant consumers to build impact who maybe 'speak a different (commercial) language?

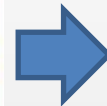


We can help you...

...find relevant other projects
...market myself to be found by others

The 1-slide explanation of the app

	On Demand Self-Service	Broad Network Access	Resource Pooling	Rapid Elasticity	Measured Service	Massive Scale	Homogeneity	Virtualization	Low Cost Software	Resilient Computing	Geographic Distribution	Service Orientation	Advanced Security
ARTIST	3	5	8	7	8	12	10	10	6	12	7	7	10
ASCETIC	7	12	5	7	9	7	10	5	7	8	7	6	12
BETAaaS	7	8	6	7	6	4	10	4	12	7	6	7	5
BigFoot	9	4	9	9	10	9	10	10	1	6	4	4	10
BNCweb	7	4	4	3	12	4	10	10	10	12	1	7	12
Broker@Cloud	3	4	7	4	7	12	8	7	12	8	5	9	7
Catania Science Gateway	8	6	6	7	5	6	6	8	7	5	6	5	5
CELAR	8	4	7	9	10	12	4	7	10	10	6	7	10
CloudCatalyst	6	6	6	4	10	10	10	6	8	4	4	6	10
CloudLightning	9	7	8	7	6	10	10	10	6	5	5	5	10
CloudScale	9	9	6	9	6	9	10	6	7	1	1	9	1
CloudSpaces	9	9	9	9	9	9	7	9	9	9	7	9	9
CloudTeams	9	9	7	2	1	1	7	1	8	1	2	1	7
CloudWave	8	8	8	8	9	4	10	7	8	7	3	9	5
COMPOSE	7	4	6	7	6	12	4	7	7	6	2	9	4
DICE	2	2	7	8	8	6	12	6	8	10	7	6	6
Embassy Cloud	7	7	2	1	6	10	6	8	10	1	7	9	9
GEMMA	8	7	8	8	7	10	10	4	10	8	5	8	9
INPUT	7	5	10	8	6	4	10	8	12	5	8	5	12
IOStack	9	9	9	8	8	7	7	9	6	9	2	9	2
LEADS	9	8	2	4	10	7	7	8	8	8	5	9	10
Leicester	6	6	5	5	10	12	7	10	4	5	2	6	8
MCN	9	9	10	10	10	10	10	10	10	10	10	10	10
Mobizz	9	7	9	7	7	6	8	4	6	9	7	8	9
MODAClouds	8	4	10	10	9	10	10	10	10	8	8	10	10
OpenModeller	9	7	8	7	10	10	8	8	9	4	7	8	10
PassWord	7	1	7	1	1	1	1	1	1	5	4	9	9
PANACEA	8	9	8	8	6	10	10	10	10	8	7	9	8
S-CASE	9	7	7	10	10	10	10	10	10	6	4	9	7
SeaClouds	7	10	10	9	9	7	10	4	7	8	9	8	10
SeaClouds	8	4	10	9	9	10	10	10	10	8	8	9	10
STORM CLOUDS	6	7	8	8	9	6	10	6	6	4	7	8	9
SUPERCLOUD	8	2	7	4	10	10	10	10	10	10	7	10	10
Texel	5	8	7	7	8	4	4	4	4	8	3	8	7
Umea	5	10	10	10	10	10	10	10	10	10	10	10	10
U-QASAR	5	7	6	7	7	10	10	10	10	4	4	7	6
Varberg	8	7	8	5	4	10	4	10	10	6	3	8	8
WeNMR	9	8	8	9	10	10	10	10	10	10	10	10	10



Cluster 3	On Demand Self-Service	Broad Network Access	Resource Pooling	Rapid Elasticity	Measured Service	Massive Scale	Homogeneity	Virtualization	Low Cost Software	Resilient Computing	Geographic Distribution	Service Orientation	Advanced Security
SeaClouds	-0.626	-1.916	-1.575	1.328	1.801	1.974	-2.537	-0.483	0.768	1.175	2.238	1.058	-2.306
ASCETIC	-0.472	-1.851	-0.881	1.201	0.895	1.389	-1.834	-0.085	0.081	0.754	2.036	0.010	-1.894
SeaClouds	-0.371	-0.892	-1.155	1.981	2.526	2.386	-2.848	-1.319	2.124	0.459	1.945	1.424	-2.651
MODAClouds	-0.371	-0.892	-1.155	1.981	2.526	2.386	-2.848	-1.319	2.124	0.459	1.945	1.424	-2.651
AC	-0.460	-1.388	-1.192	1.623	1.937	2.034	-2.517	-0.802	1.274	0.712	2.041	0.979	-2.375
CC	0.120	0.573	0.287	0.417	0.774	0.472	0.478	0.620	1.021	0.338	0.138	0.669	0.360
SNR	3.827	2.423	4.160	3.895	2.502	4.310	5.266	1.294	1.249	2.103	14.755	1.464	6.605

Out of these, your possible relationships are more likely to be aligned with this cluster!
(Had you provided your scores...)

51 responses, scoring the importance of NIST Cloud characteristics for them selves

Can you have a go?



<http://www.cloudwatchhub.eu/clustering>



A call to action

- ◆ We are only scratching the surface of relevant projects – so we need your help.

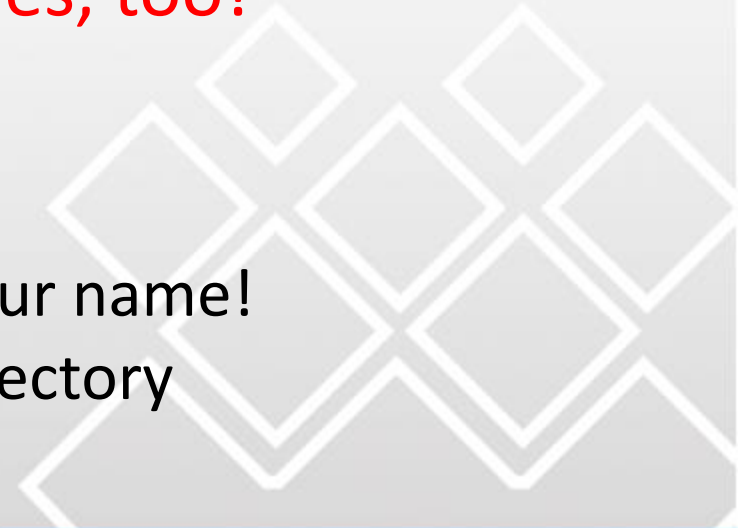
Please submit your response!

- ◆ The more data, the better!

Please ask your network to add their scores, too!

- ◆ What you will get out of it

- ◆ Free analyses, and as many as you like!
- ◆ Free dissemination – anyone using the tool will see your name!
- ◆ Free media coverage – listing in cloudwatchhub.eu directory





Thank you!

