

ARGO/SAM Status and Plans

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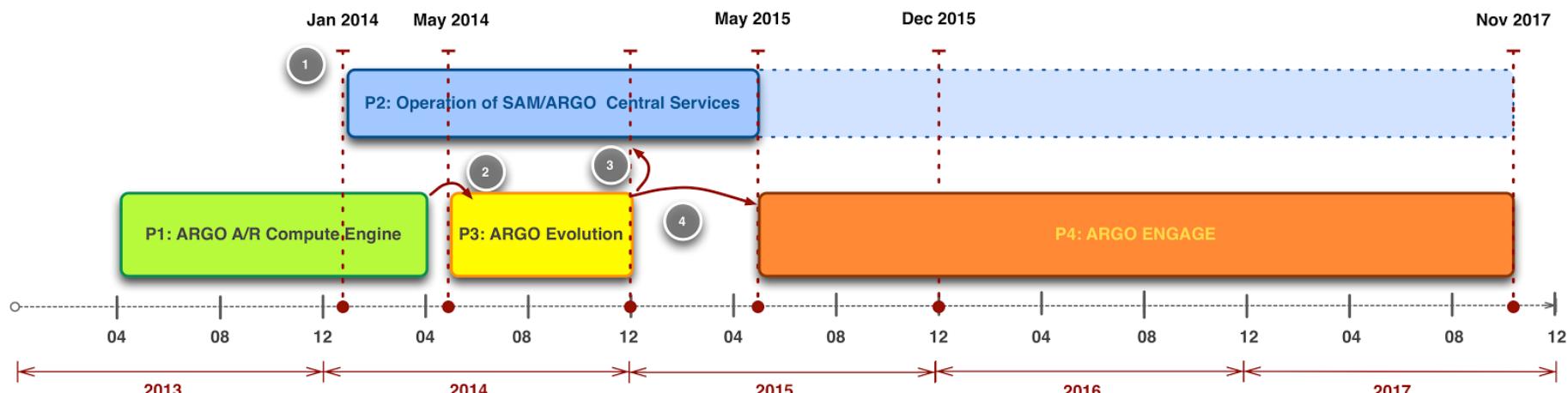
Overview

- ARGO/SAM Evolution
- ARGO
- Future Work

- ARGO EGI InSPIRE miniproject
 - refactor central SAM GridMon
 - implement flexible A/R engine
 - re-computation management
- ARGO/SAM OPS activities
 - SAM GridMon migration from CERN to CNRS
 - maintenance of SAM Nagios (Update-23)

- ARGO evolution in EGI InSPIRE PY5
 - A/R refactoring & standalone instance
 - removal of SAM DBs and MyEGI
 - RHEL 6 support

ARGO/SAM Evolution



1. Probably we will have to start the project before EGI-InSPIRE ends as after April, CERN will not have any effort for assisting with the migration.

2. There is a one month gap, between the end of P1 and the start of P3

3. The migration in the 2nd year of P2 has been scheduled to coincide with the end of P3.

4. Estimated gap of 4 months between the end of P3 and the start of P4

ARGO

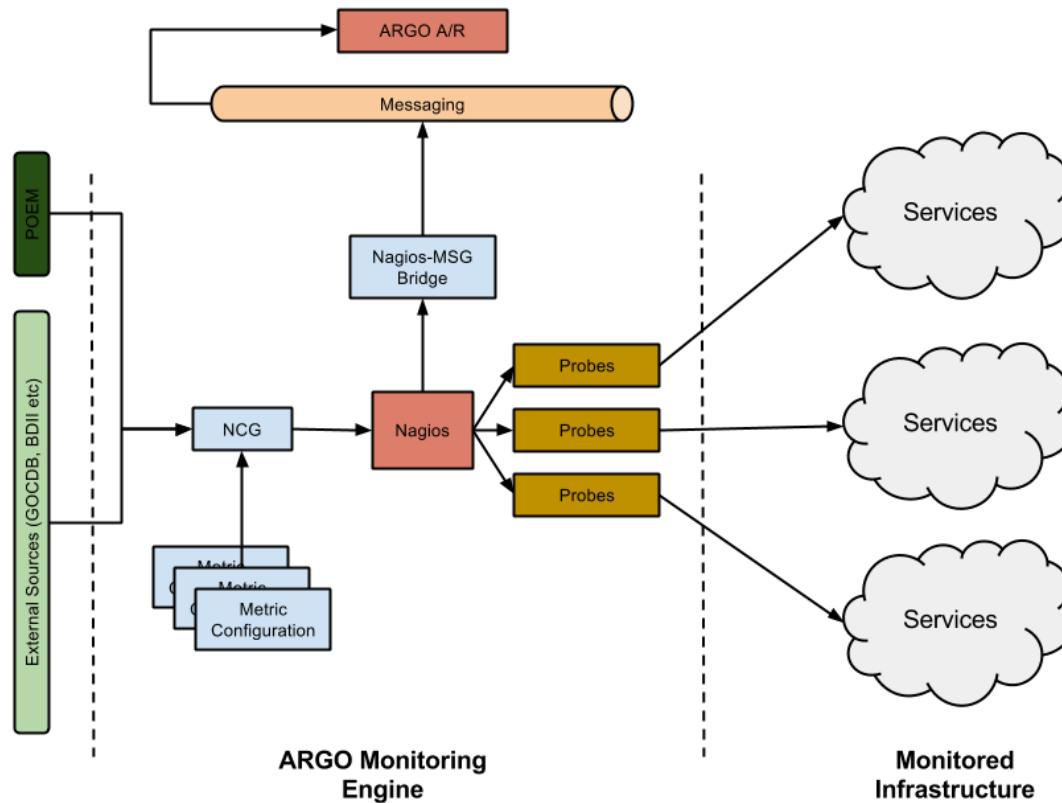




ARGO Monitoring Engine

- Nagios based framework
 - ex SAM Nagios
- Automatic configuration
- Results publishing via messaging infrastructure

ARGO Monitoring Engine

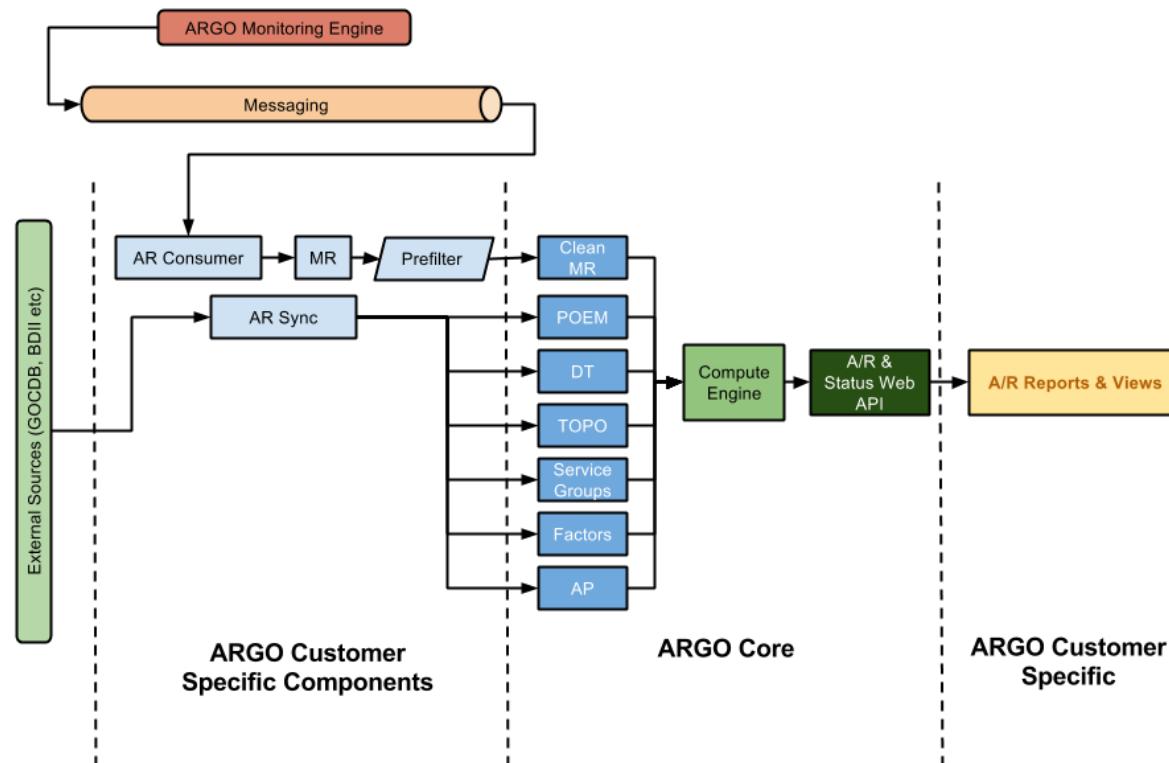


- Apache ActiveMQ Broker
- Brokers deployed in Greece and Croatia
 - configured as broker network
- Transport layer between monitoring engine and central A/R components

- Sync components
 - messaging infrastructure consumer
 - information from external sources (e.g. GOCDB)
- A/R compute engine
 - based on Hadoop & MongoDB
 - supports multiple topologies, result set, availability profiles, ...

- REST API
 - exposes data from MongoDB
- Web UI
 - visualization & management interfaces
 - uses REST API
 - based on Lavoisier

ARGO A/R Framework



Future Work

- Deployment of ARGO Central instance
 - Jan-Mar 2015
- SAM Gridmon decommission
 - Mar-Apr 2015
- Migration from SAM Nagios to ARGO Nagios
 - Mar-Jun 2015

Future Work

- EGI Engage
 - improvements in test/probe management
 - evolution of messaging infrastructure
 - custom A/R profiles for cloud and data infrastructures
 - visualization improvements
 - federated access through eduGAIN

A vertical strip on the left side of the slide features a background image of several blue spheres of varying sizes, some with internal structures, connected by thin white lines, resembling a molecular or network model.

Thank You!

