



Enabling Grids for E-science

# COD-16

## Transition meeting EGEE-III

*Helene Cordier, CNRS-IN2P3*

*Villeurbanne, France*

<http://indico.cern.ch/conferenceDisplay.py?confId=34516>

[www.eu-egee.org](http://www.eu-egee.org)



- **What has been achieved in EGEE-II**  
<https://cic.gridops.org/index.php?section=cod&page=codprocedures>
- **Mandate for EGEE-III**  
<http://indico.cern.ch/conferenceDisplay.py?confId=34516>
- **Definition of the 3 poles**  
[https://twiki.cern.ch/twiki/bin/view/EGEE/COD\\_EGEE\\_III](https://twiki.cern.ch/twiki/bin/view/EGEE/COD_EGEE_III)
- **Main Goals and objectives of this meeting**
  - Pole 1 : Regionalisation of the service
  - Pole 2 : Assessment and Improvement of the service
  - Pole 3 : COD tools

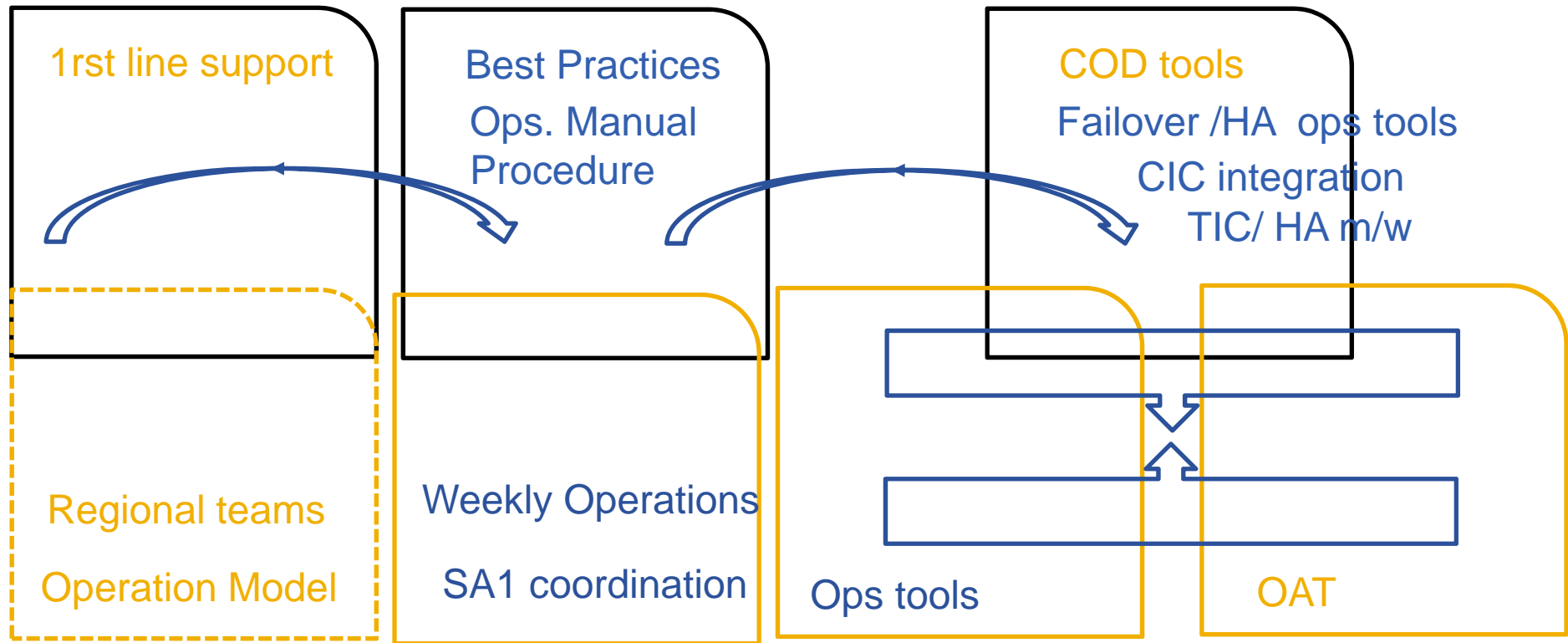
**Operational model → Procedures and tools →  
Sustainability and Reliability at the international level**

- COD as we understand it today will not exist at the end of EGEE-III; consequently, all current rocs are to run a regional COD service by the end of EGEE-III.
- The mandate of the COD is mainly to prepare for the evolution of the current operations model towards a more “**sustainable**” one in 2 years time. i.e. move from the current centralized COD model to regional COD (r-COD) model for all federations. Of course, our goal is to achieve the set-up of this distributed model as **smooth and seamless** as possible; hence a need for communication and share of expertise between regional CODs and for building **together** the operations model.
- Operational model → Procedures and tools → **Sustainability and Reliability** at the international level

1rst line Support : **CE- NE- TWN - SWE**

Best Practices and Procedures : **DE-CH /SEE**

COD tools : **FR- IT- SWE-CE**



**Define what would the operations model be**

## Validation of the internal organization

- 3 poles with enough «representative participation» and « active » leaders i.e. start with 4 federations e.g pole 1 and its steering committee e.g. Pole 1
- Active leaders should come from 2 federations.

## Each Pole has a task list and is staffed consequently

- 3 poles with a list of tasks including some of the EGEE-II current tasks / COD15 actions list → easy to follow-up
- Identify need for tools / staffing
- Define precisely Interfaces with external bodies
- Logistics :

Phone conferences bi-monthly by poles in-between meetings

F2F Meetings following SA1 coordination meetings at best.

Composition/specific needs ----- Next meeting : EGEE'08

- **COD** : Distributed teams doing monitoring shifts and ensuring critical tests failures against sites are attended at i.e. at minima : *communication* schema + grid expertise stored in procedures and wiki
- **First Line support** : COD service for sites within a federation with current model of regionalization for operations being:

*Alarms for sites belonging to AP region and younger than 24h don't appear on the regular COD dashboard. 1st line supporters are allowed to switch these alarms off, mask them, and create tickets from these alarms. 1st line supporters are allowed to pass information through the site notepad.*

*Access to all other info in read-only mode.*

- **R-COD** : ultimate model of 1rst line support with **maximum autonomy** regarding alarms and **operational tickets** assigned to sites in the region.
- **C-COD** : small (**how small can it be**) team coordinating r-CODs, catch-all for monitoring cover **need for escalation process/grid experts/reporting/grid integrity.**

[https://twiki.cern.ch/twiki/bin/view/EGEE/Pole\\_1](https://twiki.cern.ch/twiki/bin/view/EGEE/Pole_1)

## Current model : alarms younger than 24h

- **Planning and specificities of federations/Questionnaire**
- **Recommendations for the r-COD service on federations who join**
- **How to improve the model – Open questions**
  - *Go further in the regional model ?*
  - *Boundary between the 1rst line support/c-COD ?*
  - *What would do the final c-COD team ?*  
(e.g. need for escalation process/grid experts/reporting/grid integrity)
  - Knowledge base and collaborative tools
  - Impact of VO specific tests on the operations model ?
  - Mutualization of work of both teams at the region level



- **How to improve the model – Open questions**
  - Knowledge base and collaborative tools
  - Impact of VO specific tests on the operations model ?
  - Mutualization of work of both teams at the region level
- **Regionalisation of the COD service**
  - What it takes to have it successful still on May 1rst 2010.
  - What is the operations model c-COD going to be → tomorrow
- **How to improve the process of COD service → hints**
  - Run SAMAP
  - Set aside network glitches impact
  - Take into account the Core Services Failure

[https://twiki.cern.ch/twiki/bin/view/EGEE/Pole\\_2](https://twiki.cern.ch/twiki/bin/view/EGEE/Pole_2)

## Best Practices

Drive evolution of COD **Best Practices** reflected in procedures:

- **Advisory committee** for ensuring uniformisation and regulation, before setting up new critical tests
- Interface to weekly operations meetings and ROC:  
incl.item 196: Ask CODs if they can check  
<http://nagios.eugridpma.org/> in their cycle of work from GDA on  
monday 09/06/08

Ensuring that the present COD work is not disrupted:

- Operational use-cases follow-up /operational tools GGUS report  
<https://twiki.cern.ch/twiki/bin/view/EGEE/OperationalUseCasesAndStatus>

- Work Assessment so that the central service is operational

*Metrics for COD activity in EGEE-III, Handover improvement,  
Alarm masking rules and weighing mechanism – SEE*

**Operation Procedure Manual cf Clemens' talk and MSA1.2**

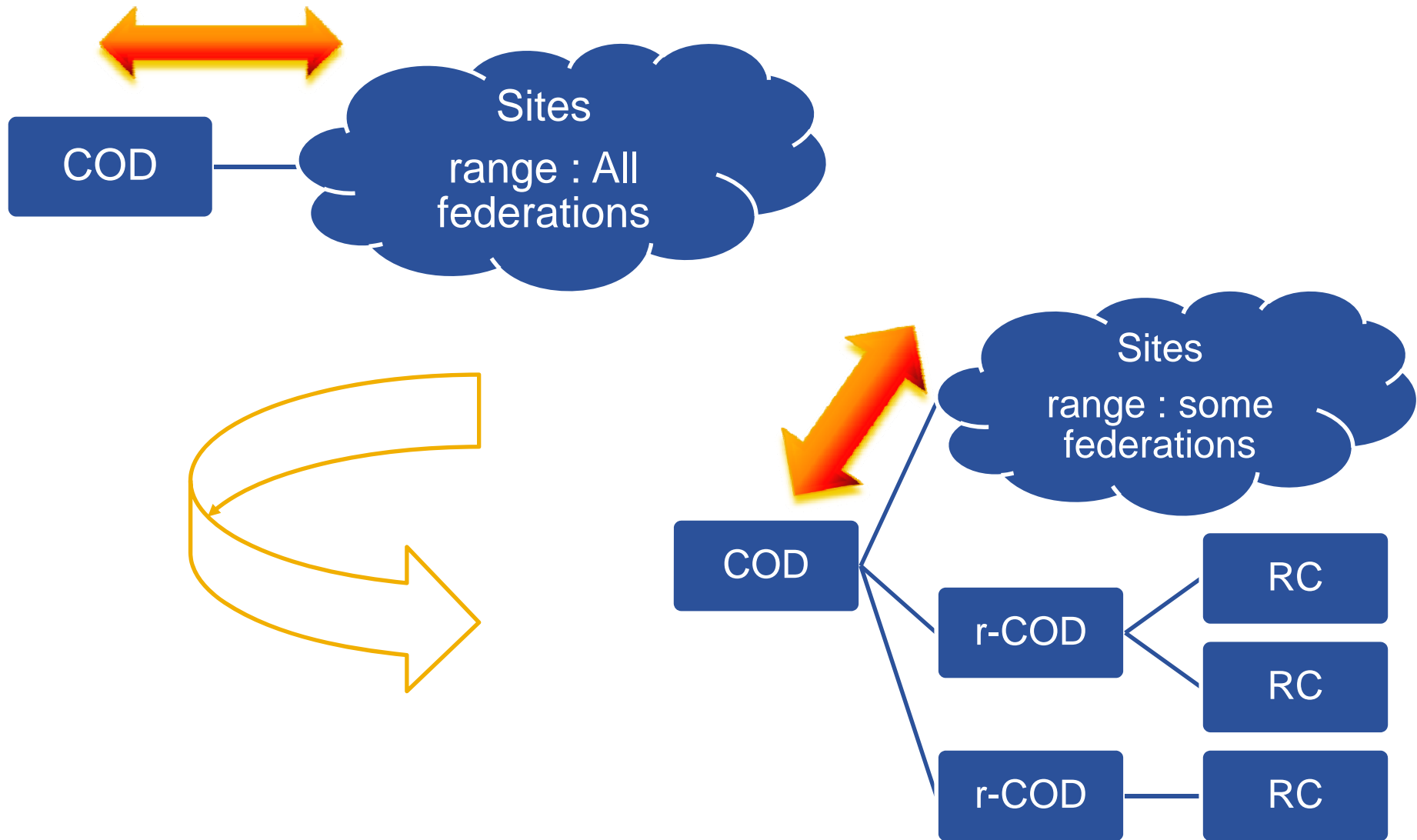
[https://twiki.cern.ch/twiki/bin/view/EGEE/Pole\\_3](https://twiki.cern.ch/twiki/bin/view/EGEE/Pole_3)

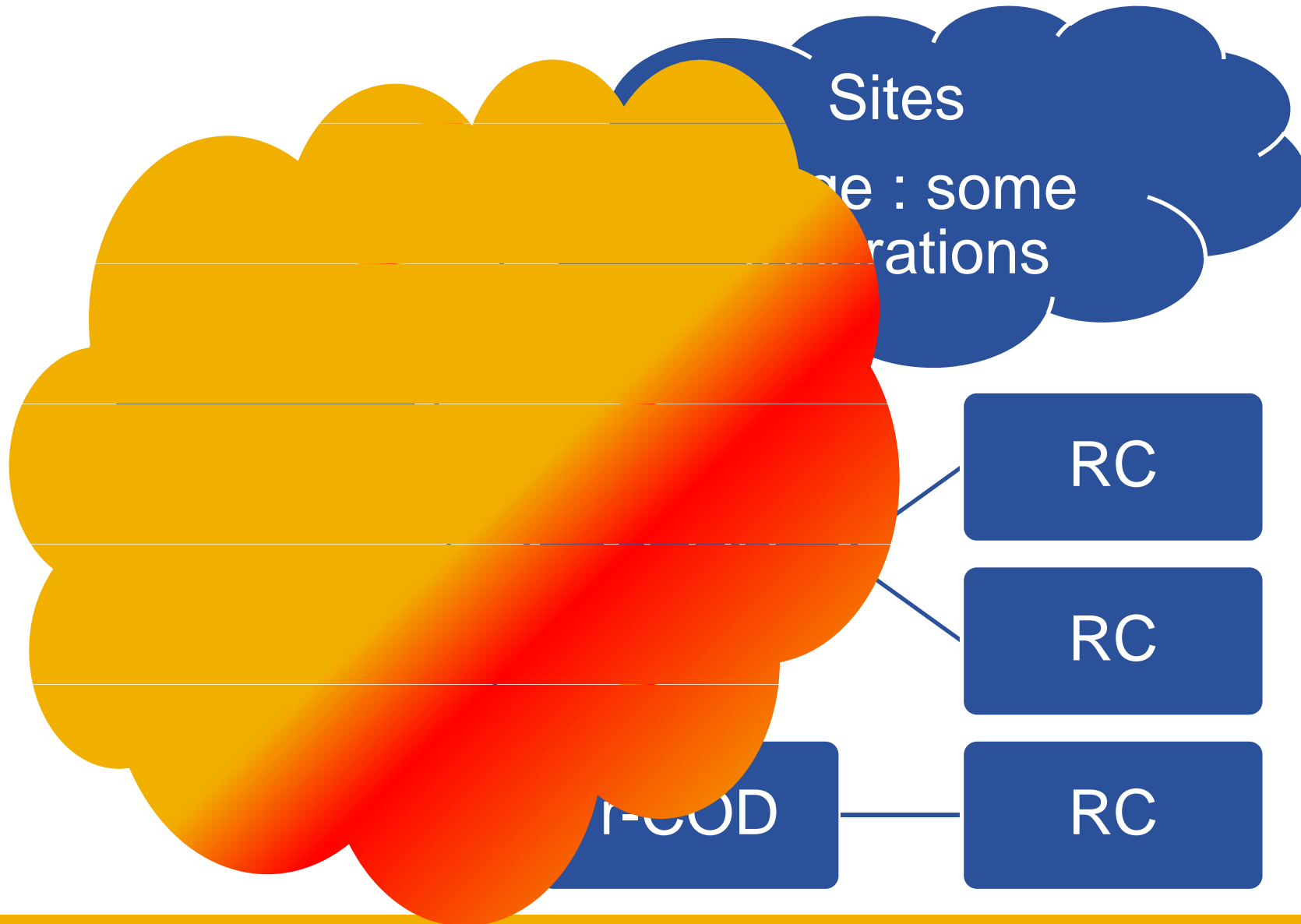
- TIC
  - Failover mechanisms for GSTAT, SAMAP, CIC and GOC
- Follow-up of HA of ops tools /ENOC  
and core service mw /TCG -- forum /OCC

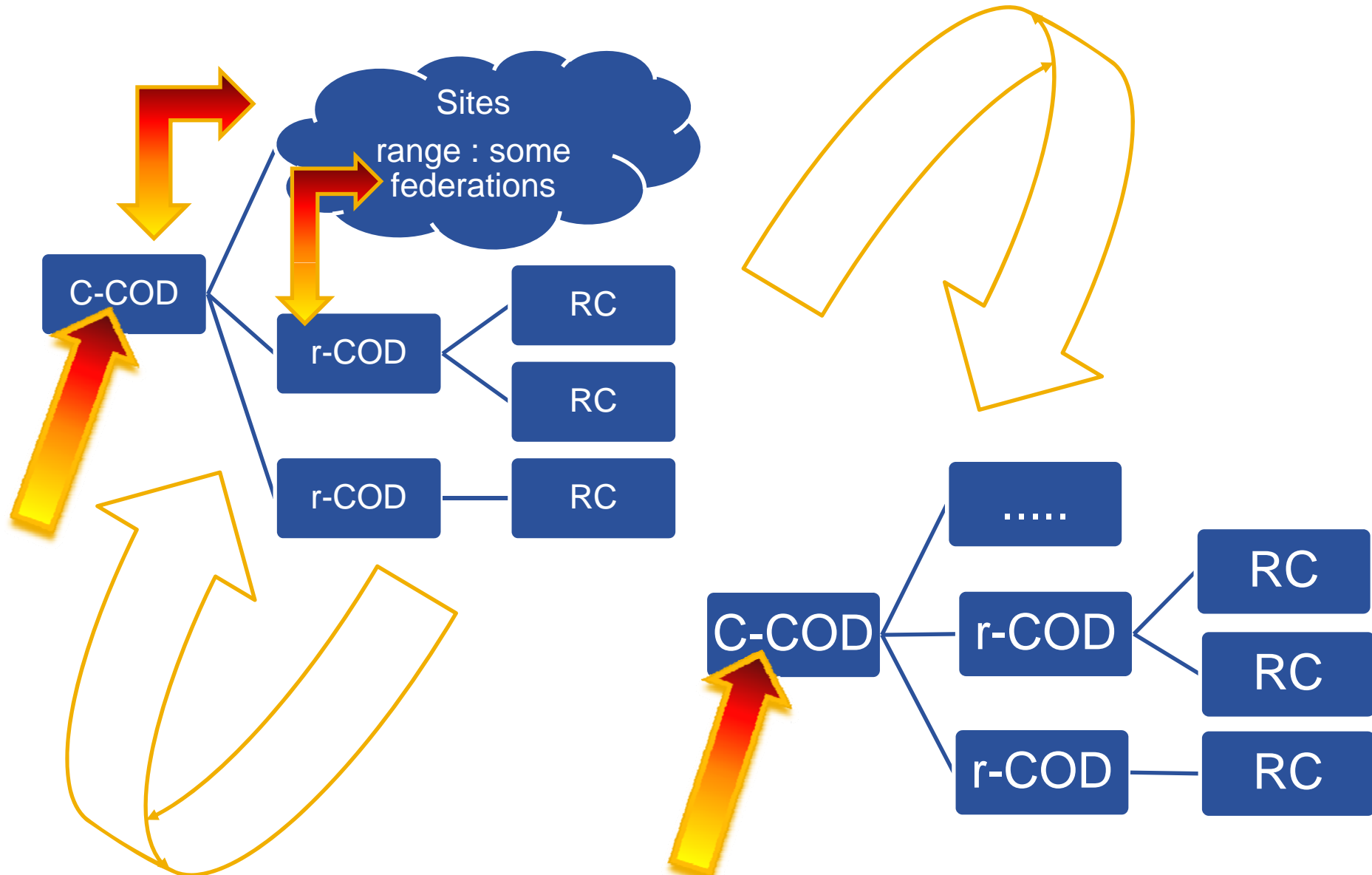
## → COD dashboard

Evolution towards N regional instances + 1 specifically dedicated for C-COD. Incl Alarm weighing mechanism.

- Request for change on monitoring tools through OAT
- Follow-up of requirements on OAT
- Follow-up of requirements on the separate tools







**Define what would the operations model be**

## **Validation of the internal organization**

- 3 poles with enough «**representative** participation» and « active » leaders i.e. start with 4 federations e.g pole 1 and its steering committee e.g. Pole 1
- Active leaders should come from 2 federations.

## **Each Pole has a task list and is staffed consequently**

- 3 poles with a list of tasks including **some of the EGEE-II current tasks / COD15 actions list** → easy to follow-up
  - Identify need for **tools / staffing**
  - Define precisely Interfaces with external bodies
  - **Collaborative tools/ mailing lists**
  - **Staffing needs/Rota basis or lead team duties**