



Enabling Grids for E-science

EGEE

SA1 in EGEE-II – Overview

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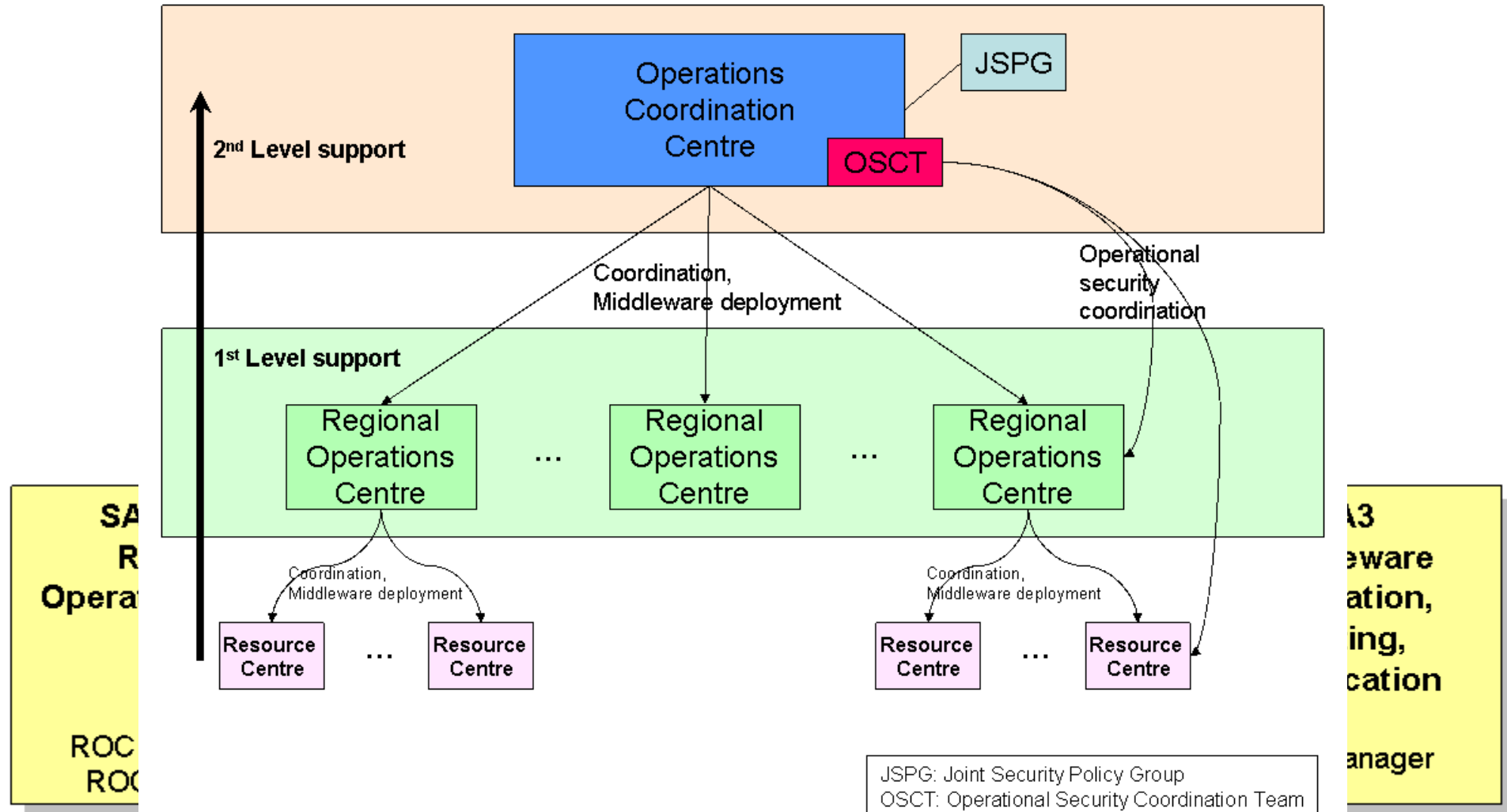
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- **Overall goals**
- **Organisation**
- **Tasks**
- **Support**
- **Milestones**
- **Deliverables**
- **TA – timescale, input**

- **Consolidate and build on what has been done in EGEE**
- **Integration, certification, release preparation moved into SA3**
- **Maintain hierarchical structure, but simplify ROC/CIC
→ ROCs**
- **Strengthen (operational and user) support for many more applications and users**
- **Security – take operational tasks from JRA3; set up real response teams**

- Core infrastructure services: to operate a set of essential services, ... and other core services agreed with the VOs, that bind distributed resources into a coherent multi-VO infrastructure.
- Grid monitoring and control: to proactively monitor the operational state of the Grid and its performance, initiating corrective action to remedy problems.
- Middleware deployment and introducing new resources: to deploy middleware distributions from SA3 on Resource Centres throughout the Grid infrastructure. This will involve close interaction and feedback with SA3 and the middleware activities as well as with the applications.
- Resource and user support: to receive, respond to, and coordinate the resolution of problems with Grid operations from both Resource Centres and users;
- Grid management: to co-ordinate the implementation of the above points by the Regional Operations Centres (ROC), as well as to manage the relations with resource providers through service-level agreements (SLAs), and relations with the wider Grid community through participating in standards bodies.
- International collaboration: to drive collaboration with peer organisations in the Americas and the Asia-Pacific region to ensure the interoperability of Grid infrastructures and services so that the EGEE-II user communities are able to access resources both within and outside EGEE.
- Capture and provide requirements: to play a significant role in the capture and provision of middleware requirements. The management of the requirements will be carried out by the Technical Coordination Group (TCG), but middleware requirements provided by SA1 will be coordinated within SA1 to trace the status and priority for implementation of the requirements.



- **Maintain, but simplify hierarchical structure:**
 - Operations Coordination Centre (OCC)
 - Coordinate middleware deployment and support;
 - Coordinate the Grid operation and support;
 - Coordinate the overall user support activity;
 - Coordinate the operational security activity;
 - Negotiate and monitor overall service Service Level Agreements (SLAs) for the whole Grid;
 - Coordinate the interoperability task
 - Regional Operations Centres (ROC)
 - Add roles of the CICs –
 - *Operate grid infrastructure services*
 - *Participate in Grid Operator on duty*

- **Mandatory:**

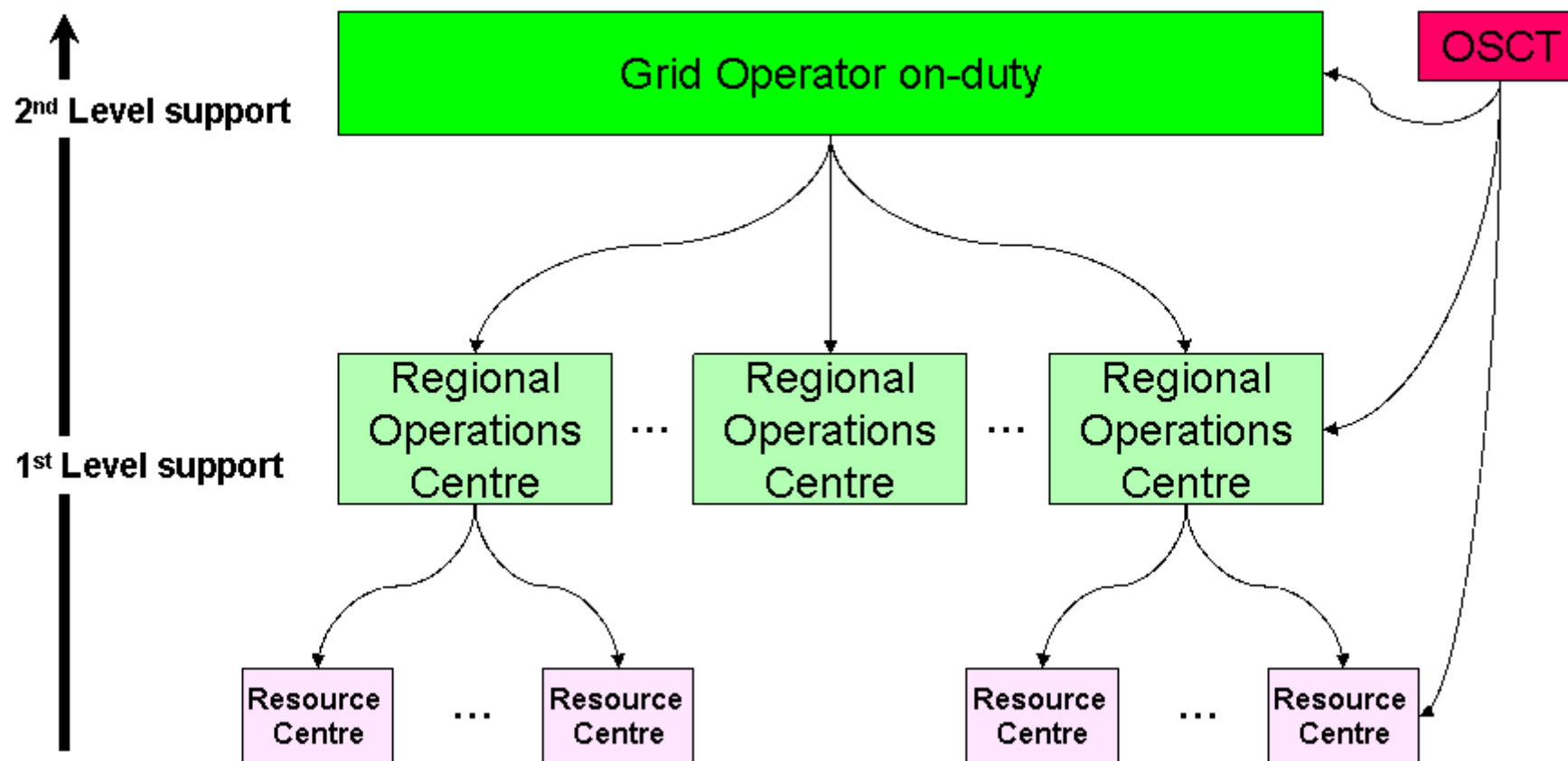
- First line user support, call centre; training
- Coordinate regional deployment and support
- Regional operations support, training to system mgrs;
- ROC owns operational problems, responsible for follow up;
- Run essential general Grid services for the infrastructure
- Coordinate with National and Regional Grid projects and infrastructures;
- Negotiate access to resources in the region for VOs;
- Negotiate and monitor SLAs with resource centres;
- Coordinate Grid security in the region; provide incident response teams
- Each ROC is expected to support the EGEE production service and the EGEE pre-production service

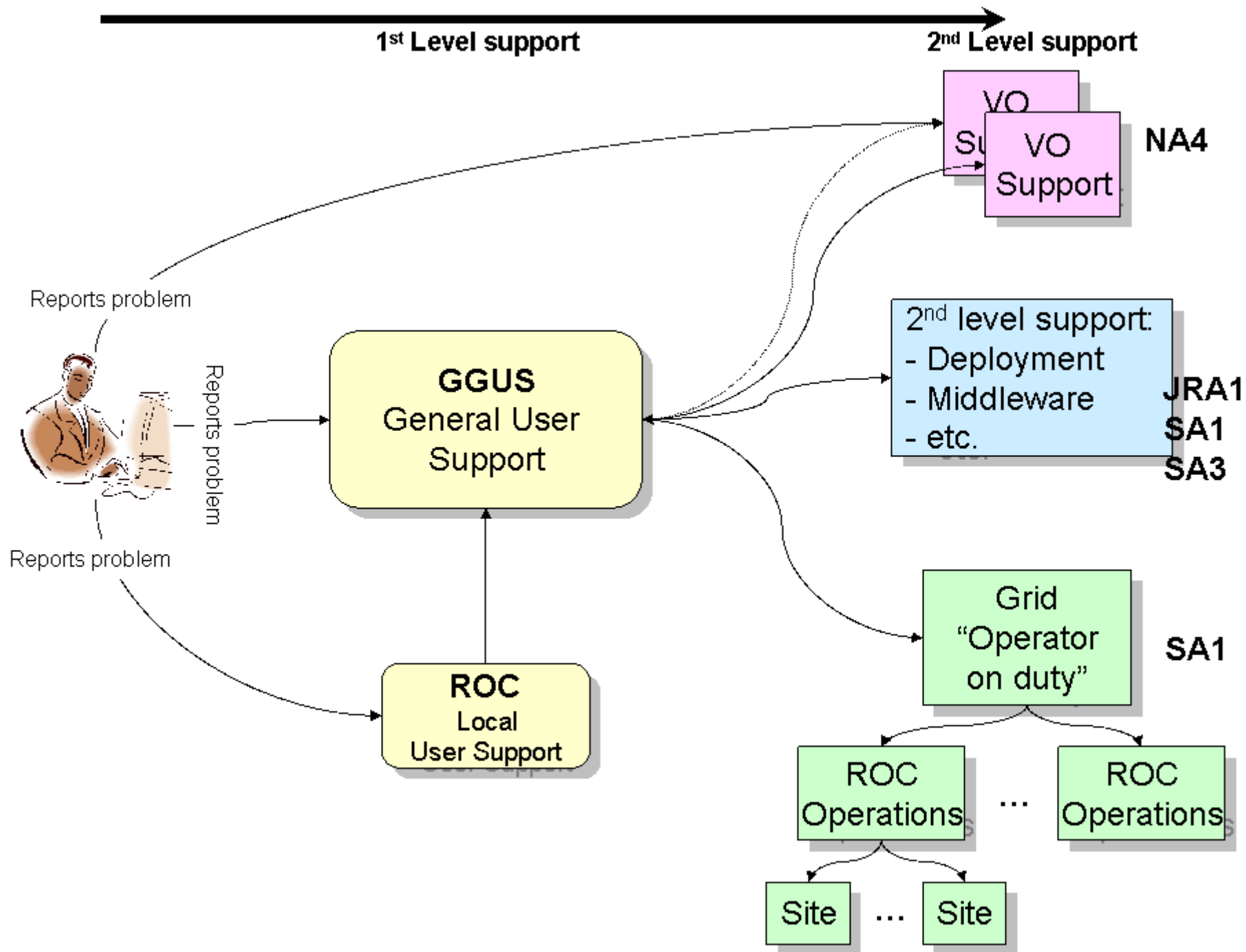
- **Optional:**

- Grid operations - weekly rotation of operator-on-duty;
- Run Grid services on behalf of VOs; Run Grid services for the infrastructure
- Additional regional certification, collaboration in main certification task
- User support management – providing experienced staff to run and oversee the Grid user support process;
- Overall coordination of the User Support task (GGUS)
- Coordinate the Joint Security Policy Group;
- Security vulnerability and risk analysis.
- Overall ROC coordinator and deputy.
- Chair of the Operations Advisory Group (OAG).

- **1.1: Operate production and pre-production services**
 - ROC management
 - Run PPS site
- **1.2: Middleware deployment and support**
 - Regional certification
- **1.3: Grid Operations and support**
 - 1st line support for regional operational problems
 - Oversight and management of operational problems
 - Run essential regional grid services
 - Weekly operator on duty support
 - Grid services for infrastructure or VOs
- **1.4: Grid Security and Incident response**
 - Regional incident response
 - Vulnerability and risk analysis
 - CA Management
 - Coordinate JSPG
 - Coordinate EUGridPMA

- **1.5: VO, Application, and User Support**
 - GGUS
 - Call centre, ROC helpdesk
 - VO support, integration support
 - Regional user training
 - Regional site admin training
 - Contribution to GGUS support teams
- **1.6: Grid Management**
 - OCC – CERN
 - Regional accounting coordination
- **1.7: Interoperation**
 - National and regional coordination
 - International projects; infrastructure extension projects
- **1.8: Application – resource provider coordination**
 - ROC management of resources and SLAs
 - OAG management
- **1.9: Application – resource provider – mw provider coordination**
 - ROC representation in coordination





DSA1.1	M1	FZK	R	PU	GGUS implementation plan	
DSA1.2	M1	Lyon	R	PU	OAG Procedures and Policy document	
DSA1.3	M10	CCLRC	R	RE	Vulnerability analysis	
DSA1.4	M11	SARA	R	PU	Assessment of production service status	
DSA1.5	M16	PIC	R	PU	Cookbook update	
DSA1.6	M22	SARA	R	PU	Assessment of production service status - using metrics, evolution over project	

MSA1.1	M1	CERN	R	PU	Operations metrics defined
MSA1.2	M2	CERN	R	PU	Inventory of ops tools, procedures, and gap analysis
MSA1.3	M5	Nikhef	R	PU	Site operations policy agreement in place and signed by existing sites
MSA1.4	M6	CERN	R	PU	CERT teams in place - all ROCs, roles and procedures
MSA1.5	M6	FZK	R	PU	GGUS operational
MSA1.6	M8	CLRC	R	PU	Security and Availability Policy
MSA1.7	M11	GRNET	R	PU	Assessment of GGUS support
MSA1.8	M15	CCLRC	O	PU	Operational Accounting Portal

Target	End year 1	End year 2
Peak no. jobs running simultaneously	9000	12000
Percentage of sites certified as production quality	60%	80%
No. countries connected to EGEE infrastructure	40	45
No. sites connected to EGEE infrastructure	180	200

- **Need now:**
 - For each partner: role and tasks in SA1, justification of funding requested (paragraph of text)
 - Updated task assignments – PM per task per partner – funded and unfunded
 - Update to resource table – including all resources in the region (currently understood) – include unfunded resource centres – expectations for day 1, end year1, end year2