



Enabling Grids for E-science

## RDIG - Russia in EGEE



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



- **8 participants (41-48) – 6 HEP, 1 Bio, 1 Math**
  - Moscow: ITEP, KIAM RAS, RRC KI, SINP MSU
  - Moscow region: IHEP (Protvino), JINR (Dubna), IMPB RAS (Pushchino)
  - St-Petersburg (Gatchina): PNPI
- **Activities: NA1 (unfunded), NA2, NA3, NA4, SA1, SA2**  
in total 54 FTE funded (plus 2 FTE unfunded)  
110 registered in EGEE
- **FCF – 7 participants, AC – IMPB RAS**
- **EC budget + (matching) budget from Russian financial agencies (Ministry of Science and Ministry of Atomic Energy)**  
**328 KEuro (requested EC contribution audited) = 89% consumption**  
*(6% due to hiring process, 5% - mistakes with travel accounting)*
- **Expenses are as follows (of direct costs)**
  - Personnel: 83%
  - Travel and Subsistence: 13%
  - Eq. and Other Costs: 4%

## Distributed ROC <https://edms.cern.ch/file/479460/4/EGEE-SA1-ExecPlan-RU-v1.6.pdf>

IHEP, plus some functions provided by ITEP (user support), JINR (operational monitoring), IMPB RAS and PNPI:

- serve 8 RCs, 5 new RCs to appear in next 3 months and next 5 to the end of 2005
- support RDIG SA1 managers [http://mail.ihep.ru/Lists/roc\\_support/List.html](http://mail.ihep.ru/Lists/roc_support/List.html)
- MW repository <http://grid-cvs.ihep.su>
- user support <http://ussup.itep.ru>
- GridIce server <http://lcfgmon.itep.ru/gridice>

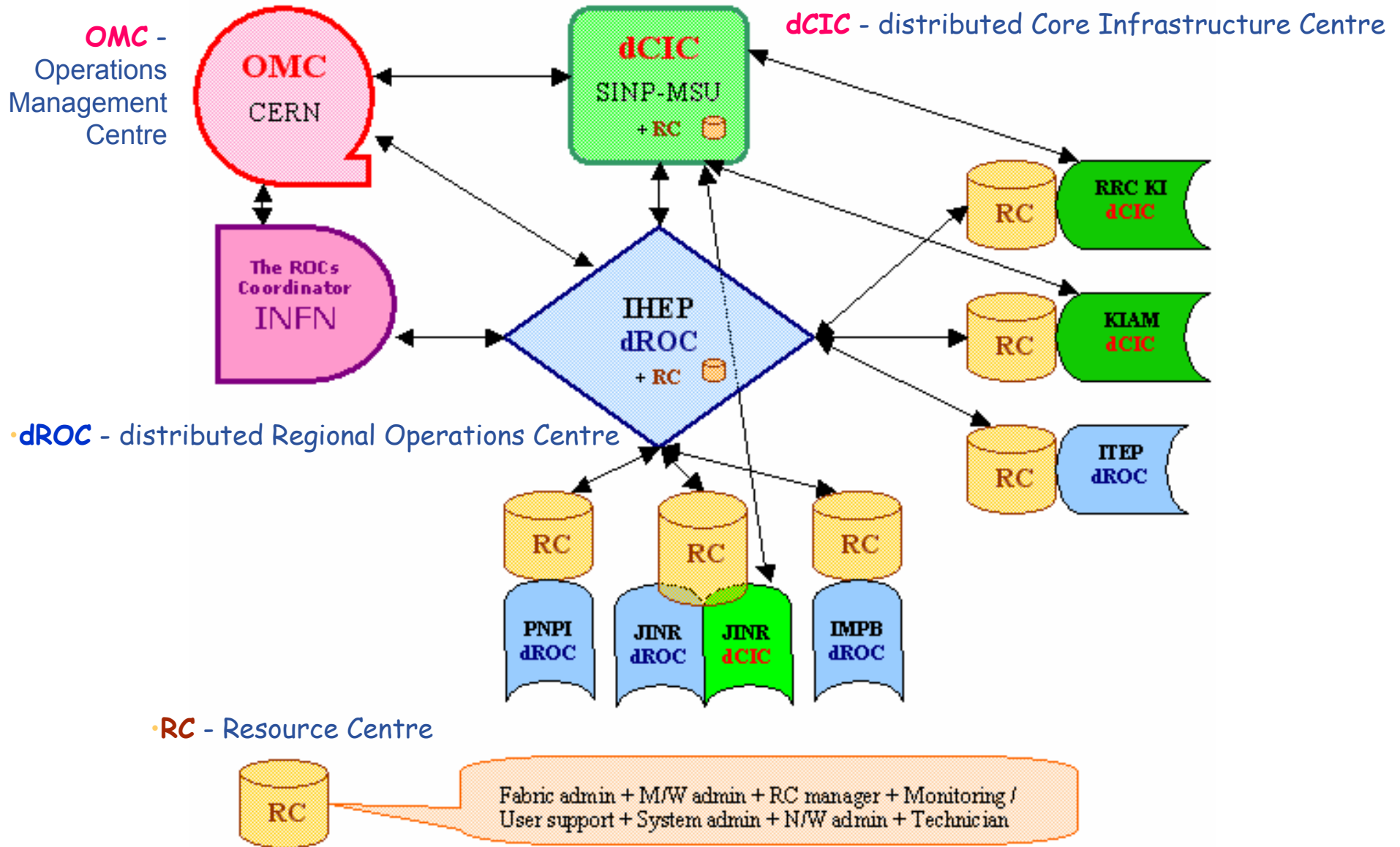
## Distributed CIC - preparing to start in April 2005 (TA)

Now some core services are 8x5 supported (preparing to 24x7):

- RB, IS, RC, MyProxy, (regional) VO management (SINP MSU)
- Grid monitoring and accounting (JINR)
- CA (SINP MSU -> RRC KI), today about 300 (active) certificates, <http://lcg20.sinp.msu.ru/CA/>
- MW validation and documentation localization (KIAM RAS), <http://www.gridclub.ru>

- 1<sup>st</sup> week in-duty

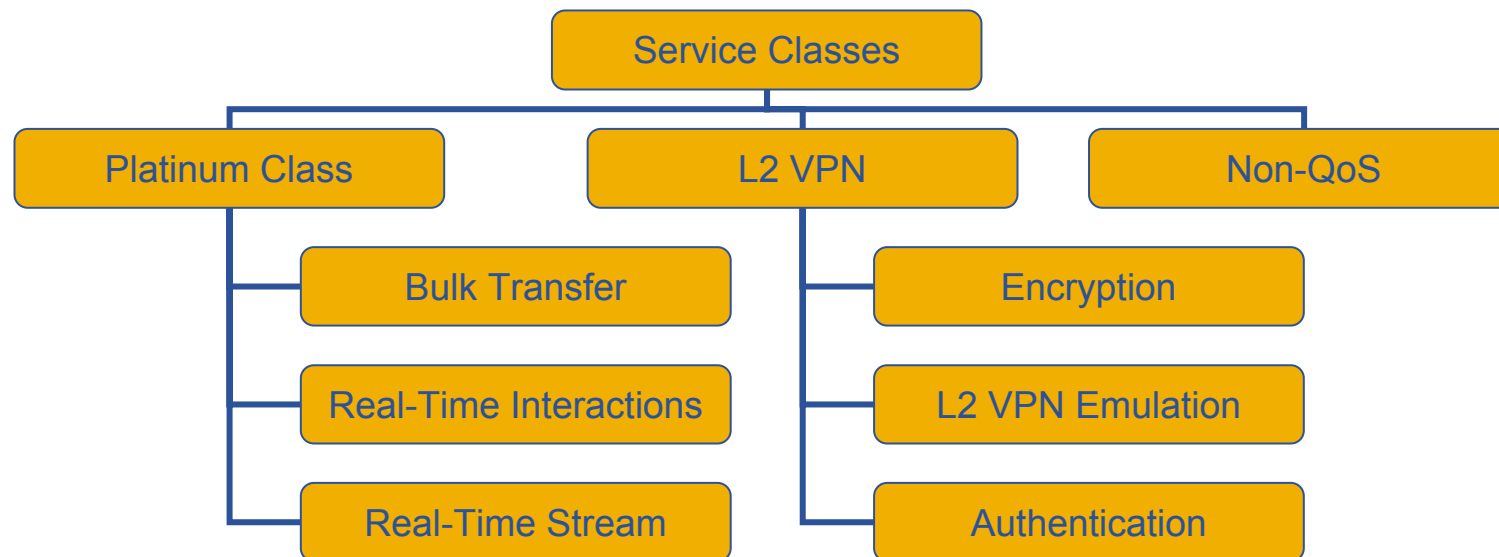
				Leonard, Ming-Hong Tsai
52	13	28/03/2005	RAL	Steve Traylen, Philippa Strange
53	14	04/04/2005	SINP-MSU	Lev Shamardin, Alexander Kryukov
54	15	11/04/2005	INFN	Paolo Veronesi, Alessandro Cavalli
55	16	18/04/2005	JINR	Frédéric Schaer, David Bouvet,



About 50% of funded FTE in SA2 - RRC KI (47)

2 FTE (5 persons), plus 1 FTE unfunded

**Document: Trouble ticketing system, NOC operations, Network Operational Interface** <https://edms.cern.ch/document/503527>



*Pilot applications: HEP – 6 institutes, Bio – 1 institute* <http://www.mathcell.ru>

*TA 2<sup>nd</sup> year: new application – “Fusion Grid”.*

*Dec.2004 - 43 users*

*= 26 HEP (6 ALICE, 7 ATLAS, 10 CMS, 3 LHCb), 1 Bio, 16 dteam*

*Plan in next reporting period to double the HEP figures, significantly increase Bio users and appear VO and Fusion users.*

*Also for March-April: new RCs and users in “Computational Chemistry” and “E-Earth”*

*Participation in LHC Data Challenges (5% level of overall production in LHC VOs)*

*2005 – EGEE in Education: today 4 regional Universities expressed interest to join.*

Testing MW components (SA1): *IHEP, PNPI, JINR*

*IHEP* will participate in the pre-production testing of gLite (SA1)

Testing MW components (NA4 ARDA):

- *Metadata catalog, Fireman catalog, gridFTP, ... (JINR, SINP MSU)*
- *testing gLite for ATLAS and CMS (PNPI, SINP MSU)*

January-March 2005: evaluation OMII (*JINR, KIAM RAS*)

April-July 2005: evaluation GT4 (*SINP MSU, JINR, KIAM RAS*)

*RDIG NA3 – 7 institutes participate, coordinated by IHEP (41).*

*1<sup>st</sup> reporting period: 8 induction courses (from 15 to 80 participants),  
1 Appl.Dev. Course, 1 Tech.Act.Reptr. Course*

Prepared the t-infrastructure – specialised grid clusters for tutorials (IHEP, PNPI, JINR).

Organized RDIG core trainer team (all 7 institutes) - about.

Produce initial EGEE training and course materials in Russian.

- <http://www.egee-rdig.ru/tasks/na3.php>
- <http://agenda.cern.ch/displayLevel.php?fid=192>
- [http://www.ihep.su/egee/NA3\\_course.shtml](http://www.ihep.su/egee/NA3_course.shtml)
- [http://www.egee-rdig.ru/tasks/courses\\_gatchina.php](http://www.egee-rdig.ru/tasks/courses_gatchina.php)
- [http://www.egee-rdig.ru/rdig/news/news\\_body.php?id=7](http://www.egee-rdig.ru/rdig/news/news_body.php?id=7)



Two RDIG conferences: July 2004, Dubna <http://lit.jinr.ru/grid2004/>  
January 2005, Protvino <http://www.ihep.su/egEE/conf.shtml>

Next conference **NEC2005, Varna**, September 2005 (plan: together with EGEE-SE federation)

Numerous presentations (more than 23) on different events, including official boards and committees, few publications in public journals and newspapers, few local TV reports.

Grid forum Web site, <http://www.gridclub.ru>, in Russian (KIAM RAS with HP)

- **EGEE-RDIG – the first Grid infrastructure in Russia, *important example of the international collaboration***
- **The first Grid project at the national level, supported by Russian Government**
- **After first 9 months of the project we see great interest from different sciences (Earth Sci, Chemistry, Space Research, ...), and Higher Education**
- **Pleasurable experience in open communication for us, some important lessons for Russian scientific bureaucracy**

**Thanks to EGEE project we, probably, will be alive after the reformation of Russian science being by our Government now ...**