The new IT Department

Information given to ACCU on 10 December

by

Wolfgang von Rüden
IT Department Structure 2004

Department Head’s Office
Departmental Planning, Admin Services, Computer Security, major projects (LCG, EGEE, openlab)

DI: P. Anderssen

Infrastructure and General Services
Administrative Information Services
Communication Systems
Databases
Internet Services
Product Support
User and Document Services

Physics Services
GRID Deployment
GRID Middleware
Fabric Infrastructure and Operations
Architectures and Data Challenges
Control Systems

LHC Computing GRID (LCG)
Enabling Grids for e-Science in Europe (EGEE)

W. von Rüden (DH)
J. Ferguson (DDH)
J. Richards (DPO)
F. Gagliardi (EU proj.)
L. Robertson (LCG)
IT Department Structure 2004

Infrastructure and General Services
- Administrative Information Services
- Communication Systems
- Databases
- Internet Services
- Product Support
- User and Document Services

AIS: R. Martens, J. Purvis
CS: D. Foster, J.-M. Jouanigot
DB: J. Shiers, M. Möller
IS: A. Pace, C. Isnard
PS: A. Silverman, P. Baehler
UDS: M. Draper, L. Pregernig

Department Head’s Office
Departmental Planning, Admin Services, Computer Security, major projects (LCG, EGEE, openlab)

DG’s office
IT Department Structure 2004

Department Head’s Office
Departmental Planning, Admin Services, Computer Security, major projects (LCG, EGEE, openlab)

Physics Services
GRID Deployment
GRID Middleware
Fabric Infrastructure and Operations
Architectures and Data Challenges
Control Systems

GD: I. Bird, Z. Sekera
GM: F. Hemmer, N.N.
FIO: T. Cass, T. Smith
ADC: B. Panzer-Steindel, J. Iven
CO: D. Myers, W. Salter

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IT Department Structure 2004

DG’s office

Department Head’s Office
Departmental Planning, Admin Services, Computer Security, major projects (LCG, EGEE, openlab)

Major Projects
LHC Computing GRID (LCG)
Enabling Grids for e-Science in Europe (EGEE)

L. Robertson
F. Gagliardi, Bob Jones

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The new IT Department
<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Officer</td>
<td>Erwin Mosselmans</td>
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<tr>
<td>Secretariat</td>
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<tr>
<td>DH’s secretariat</td>
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<tr>
<td>Computer Security Officer</td>
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<td>Safety Officer</td>
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<td>Ombudsman</td>
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<td>Technology Transfer</td>
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<td>Training Officer</td>
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<tr>
<td>Strategy &amp; Communication</td>
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<tr>
<td>IT web master</td>
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<tr>
<td>CERN School of Computing</td>
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<tr>
<td>openlab Head Manager</td>
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<tr>
<td>Administrative Support</td>
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<tr>
<td>Chief Technology Officer</td>
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<td>Staff Association</td>
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CERN IT Department – Main Goals 2004

External activities

- Reflect the new CERN structure in all administrative computing services (problematic due to missing input)
- Ensure continued smooth operation of IT services & infrastructure (network, mail, web, payroll, EDH, …)
- Introduce new admin tools (very long list of requests)
- Complete the GSM migration (major long-term economies)
- Provide engineering support for LHC communications
- Deploy and run LCG-2 service for data challenges
- Conclude EU DataGrid, EU DataTag and Gridstart successfully
- Launch EGEE project in harmony with LCG
- Host CHEP 2004 with a balanced budget
- Contribute to CERN’s 50th anniversary festivities
- Review with other departments computing practices and identify global economies
CERN IT Department – Main Goals 2004

Internal activities

• Complete the integration of IT department and profit from the synergies
• Optimise services where possible to reduce cost and align better with standard practices
• Use savings to fund consolidation of ageing infrastructure (recover backlog)
• Prepare for LHC: more electrical power, preparations for big purchasing (market surveys)
• Review role of IT-related committees
• Have a critical look at internal overheads
### CERN IT Department – SWOT analysis

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
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</thead>
<tbody>
<tr>
<td>• Highly competent, creative and committed staff</td>
<td>• Communication with user community</td>
</tr>
<tr>
<td>• Well aligned management team</td>
<td>• Restrictive purchasing rules</td>
</tr>
<tr>
<td>• Synergy of GRID projects and IT infrastructure</td>
<td>• Unclear personnel budget situation (P+M need)</td>
</tr>
<tr>
<td>• External funding (Funding agencies/EU/industry) due to good reputation</td>
<td>• AIS funding does not allow to satisfy justified requests within a reasonable time</td>
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<tr>
<td>• Well defined set of services</td>
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<tr>
<td>• Collaborative spirit between groups</td>
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<table>
<thead>
<tr>
<th>Opportunities</th>
<th>Threats</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Synergy of previously dispersed services</td>
<td>• Unlimited user expectations</td>
</tr>
<tr>
<td>• GRID spin-off to science/ industry</td>
<td>• In-house knowledge management (loss through retirements, short-term contracts)</td>
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<tr>
<td>• High visibility and exposure via EGEE and LCG</td>
<td>• Over-selling of GRID technology, loss of credibility</td>
</tr>
<tr>
<td>• P+M introduction, re-profile professional skills</td>
<td>• LCG phase 2 partly unfunded</td>
</tr>
<tr>
<td>• Global savings for CERN</td>
<td>• Inertial effect of complex politics (EGEE&amp;LCG)</td>
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<tr>
<td>• Participation in leading edge technology</td>
<td>• Loss of cooperation with a major client</td>
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