NA2 in EGEE-II

Hannelore Hämmerle, CERN

Information Society

Enabling Grids for E-sciencE

- **NA2 in EGEE-II**

- **New NA2 Partners**

- **Programme of work for NA2 in EGEE-II**
  - Same tasks as in EGEE
  - New Plans

- **Brainstorming**

Enabling Grids for E-sciencE

- **EGEE-II expands consortium**
  - 27 to 32 countries
  - 70 to 93 partners

- **For NA2**
  - Larger budget
  - Much better coverage, every federation represented
  - Nearly all NA2 partners from EGEE
  - Many new partners for EGEE-II
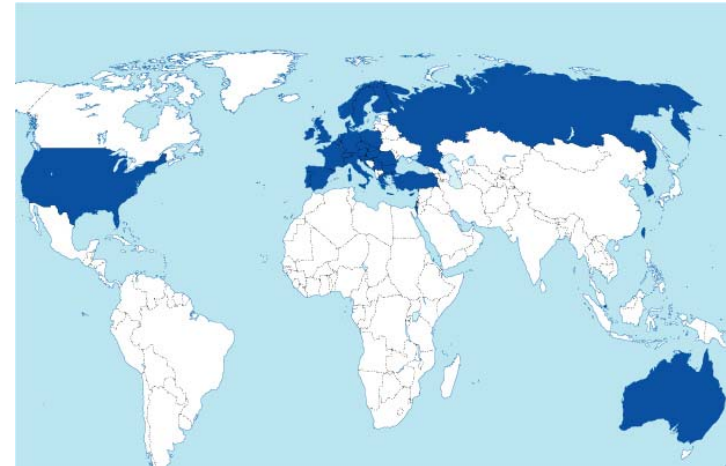
- **NeSC (UEDIN)** (UK)
  - National e-Science Centre, Edinburgh, UK
  - Contact: Alison McCall

- **EGEE NA2**
  - Dissemination and Outreach for the UK (0.5 FTE)
  - Started end April 2005
  - Promote EGEE and Training Team Activities (NA3) within UK
  - Maintain website with Events, press releases, NeSC Newsletter, Articles in Publications, Database of UK Contacts, attend UK Events to promote EGEE, produce publication materials for Training Team.
  - Setting up formal process for Training Team to monitor /report on Dissemination Activities

Enabling Grids for E-sciencE

- **CNRS** (France)
  - Centre National de la Recherche Scientifique

- **CRSA** (France)
  - Centrale recherche SA
  - Subsidiary of the École Centrale Paris

Une Grande École sans frontières • A Grande Ecole without boundaries

École Centrale Paris

CENTRALE PARIS

Enabling Grids for E-sciencE

- **INFN** (Italy)
  - National Institute of Nuclear and Particle Physics
  - large Italian public research institution
    - experience in distributed computing
    - international projects

- **EGEE**
  - **NA2**, **NA3**, **NA4**, **NA5**, **SA1**, **JRA1** activities in Italy

- **EGEE-II**
  - Same as EGEE
  - + **JRA1** coordinated at project level
  - + contribution to **SA3**

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Enabling Grids for E-sciencE

- **NA2@INFN** in **EGEE**:
  - GILDA (Grid INFN Laboratory for Dissemination Activities)
    - Grid Testbed with *Virtual Organization* and *Certification Authority*
    - https://gilda.ct.infn.it
    - Grid Demonstrator
      - *https://grid-demo.ct.infn.it* and *https://glite-demo.ct.infn.it*
    - Video Tutorials
      - *https://gilda.ct.infn.it/video.html*
    - INFNGrid video
      - *https://gilda.ct.infn.it/video/INFN/INFNGridComputing.ram* or *mms://rembrandt.terena.nl/windowsmedia/gridvids/infn-grids.wmv*
    - GILDA Live User Interface on DVD (to send jobs to GILDA
      - *https://gilda.ct.infn.it/live-cd*
  - Translation of infosheets
  - Promoting EGEE in different events

- **NA2@INFN** in **EGEE-II**:
  - Creation of new multi-media contents concerning EGEE, GILDA, and GENIUS
  - Continue translations of infosheets, press releases
  - Continue dissemination activities within NA4 Generic Applications
  - Build a Web site for all INFN activities in EGEE

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Enabling Grids for E-sciencE

- **BUTE** (Hungary)

- **CESNET** (Czech Republic)

- **II-SAS** (Slovakia)

- **ICM** (Poland)

- **JSI** (Slovenia)

- **RBI** (Croatia)

- **JKU** (Austria)

Budapest University of Technology and Economics

Enabling Grids for E-sciencE
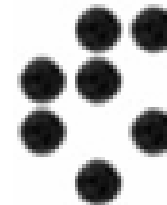
- **Budapest University of Technology and Economics**
  - Largest and oldest (1782) technical university in Hungary

- **Funding member of Hungarian Grid Competence Centre**
  - National and international grid related projects
    - ClusterGrid
    - SuperGrid
    - EGEE

- **Good industrial relations**
  - R&D projects (HP, Scansoft, T-Systems, SMEs, ...)
  - Regional Knowledge Centre (complex information systems)

Enabling Grids for E-sciencE

- **EGEE**
  - NA2
    - Translation of infosheets, news
    - Promoting EGEE in different events
    - Maintenance of http://egee.ik.bme.hu
  - NA3
    - Induction courses
    - Translation of course materials
    - Course development

- **EGEE-II**
  - NA2 activity only
  - Disseminate the benefits of EGEE infrastructure in Hungary
    - Translations of infosheets, news
    - Translation of GridCafé
    - Using strong links to industry BUTE will make sure that his industrial partners are aware of development in EGEE-II
    - Maintenance of http://egee.ik.bme.hu

Enabling Grids for E-sciencE

- **Institute of Informatics
  Slovak Academy of Sciences
  Slovakia**

- **Ladislav Hluchý**

- **SAS**
  - more than 50 scientific and research institutes

- **II-SAS**
  - www.ui.sav.sk
  - Current related projects
    - K-Wf Grid: Knowledge-based Workflow System for Grid Applications
      www.kfgrid.net
    - MEDIGRID: Mediterranean Grid of Multi-Risk Data and Models
      http://www.eu-medin.org/projectPage.php?acronym=MEDIGRID

- **EGEE-II**
  - continue to promote EGEE in Slovakia (demonstrations, presentations, website with translated material)
    - broad spectrum of potential users
    - prospective EGEE sites
  - → necessary for wider adoption of Grid (and EGEE) in Slovakia

- **IISAS manpower – 12 PMs**
  - TNA2.1 (2) Media relations
  - TNA2.2 (2) Industrial and goventmental relations
  - TNS2.3 (4) Production of promotional material
  - TNA2.5 (2) User Relations and websites
  - TNA2.6 (2) Events organisation and attendance

- **Interdisciplinary Centre for Mathematical and Computational Modelling of Warsaw University**

- **EGEE:**
  - NA2 unfunded
  - Translation of selected EGEE press releases to Polish → Newsroom section on http://spin.fuw.edu.pl
  - Writing own press releases in Polish and English
  - Events and courses with NA3
    - E.g. at Opening of Advanced Micro Devices Inc. Polish Office, Warsaw, 15 April 2005

- **EGEE-II:**
  - ICM operates Academic Scientific TV, distributed on the Internet http://www.atvn.pl/index_moz_eng.php → broadcast(s) devoted to Grid computing (EGEE), both in Polish and English
  - Local EGEE website http://spin.fuw.edu.pl/
    - Press releases and other media information (Polish and English)
  - Continue dissemination within scientific communities – events with NA3
    - High energy physics
    - Biophysics
    - Earth sciences (meteo group)

Enabling Grids for E-sciencE

- **Croatia**
  - new partner-country in EGEE-II
  - JRU model of participation in project
  - Croatian JRU members:
    - University computing centre – SRCE, Zagreb (coordinator, EGEE-2 JRU contractor)
    - Ruđer Bošković Institute – RBI, Zagreb **(NA2 partner)**
    - Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture – FESB, Split

- **RBI: Ruđer Bošković Institute**
  - interdisciplinary institute
  - primarily natural and technical sciences
- **NA2 Team members**
  - Karolj Skala, skala@irb.hr
  - Zorislav Šojat, sojat@irb.hr
  - Goran Topić, amadan@irb.hr
  - Ivo Kuzmanić, kuzma@irb.hr

- **RBI vision in NA2 is to strive to satisfy**
  - the needs and necessities of the scientists on our Institute and other scientific Institutes → multidisciplinary scientific community
  - the necessities of global scientific community
  - the need to promote the modern computing environments and e-infrastructure to a wide variety of public audiences

- **CIC** (Centre for Informatics and Computing at RBI) **develops**
  - completely new approach to disseminate and promote e-Science
  - «Distributed Interactive Dissemination»
    - 'interactive multimedia'-type webcasting
    - requests trigger on-the-fly re-editing of audio, visual and textual material
    - to get a story about the user's interest

  - Content primarily based on visual material
    - to be developed in tight cooperation with national televisions
  - To enable users to feel the Grid-like structure of the visual materials
  - → to promote the Grid as a future e-Society infrastructure to audiences worldwide

http://gridvision.irb.hr/

Enabling Grids for E-sciencE
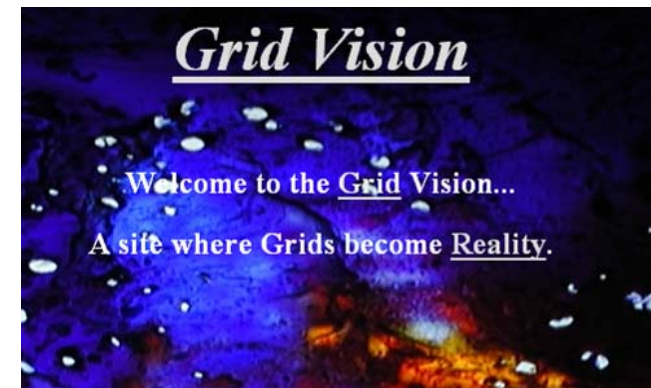
- **GUP + RISC** ^{NEW} **== JKU (Johannes Kepler University, Linz)**
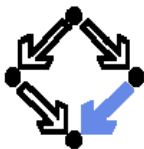
  - Institute of Graphics and Parallel Processing
   - Major Austrian academic HPC and networking centre
    - Main AustrianGrid Computing and Support Centre
    - Main EGEE operator for the eastern part of Austria
    - AFC representative for Central Europe
    - Leader and coordinator of the Austrian Grid
    - strong expertise in grid computing

  - Research Institute for Symbolic Computing
    - Excellence in doing symbolic computation, parallel and distributed algorithms and software systems
    - Development of a grid variant of a medical software system for virtual eye surgery in cooperation with a medical partner

RISC Hagenberg

Joh. Kepler University

Enabling Grids for E-sciencE
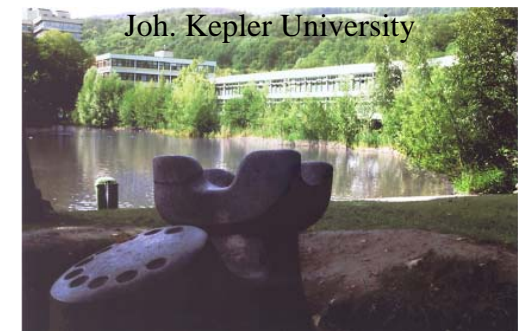
- **New Partner name, same people in NA2**
- **Continuation of EGEE dissemination efforts for Austria**
  - Doing localized releases
  - Running Austrian website
  - Representing EGEE at external Events
- **New target audience "Biomed-Community" through RISC**
- **Close cooperation with AustrianGrid Partner UIBK**
- **Planned JRU**

Come see us!!
http://www.austriangrid.at/symposium/

Enabling Grids for E-sciencE

- **FZK** (Germany)

- **CSCS** (Switzerland)

Enabling Grids for E-sciencE

- **Forschungszentrum Karlsruhe, Germany**
    - Science and engineering research institution
    - Research areas: Structure of Matter, Earth and Environment, Health, Energy, and Key Technologies

- **NA2 in EGEE-II:**
    - Concentrate on the most effective means of dissemination
        - → according to EGEE experience
        - [Note: Very limited (wo)man-power of 1 FTE for 25% of EU population]
    - Extend and develop GridKa School (now in its 3rd year)
        - Challenge: Integration with D-Grid
    - Continue presentations at conferences, trade shows
        - Where possible coupled with paper
    - Translation of press releases and PR material
    - Build / extend local Web presence as first point of contact

→ **Press work should be extended !!!**
→ **Articles should be extended !!!**

- **Swiss National Supercomputing Centre, Manno (Canton Ticino)**
  - To provide, develop and promote technical and scientific services
  - For the Swiss research community
  - High-performance and high-throughput computing

- **Associated partner of EGEE**
  - Support and operation of a Grid infrastructure in Switzerland
  - Support for integration of new Virtual Organizations
  - User helpdesk front-end

- **EGEE-II (full partner)**
  - Resource management and operation
  - User support
  - User training
  - Identification and support of new applications
    - with strong emphasis in biology

Enabling Grids for E-sciencE

- **In EGEE-II**

- **Partner**
  - Université Libre de Bruxelles (ULB)
- **..with Third Party:**
  - Vrije Universiteit Brussel (VUB)
- **Brussels, Belgium**

- **Participating in:**
  - NA2 (for the Northern Region)
  - NA3
  - NA4
  - Unfunded contribution in SA3 (testing)

Enabling Grids for E-sciencE

- **IPP-BAS** (Bulgaria)

- **GRNET** (Greece)

- **ICI** (Romania)

- **IPB** (Serbia)

- **TAU** (Israel)

- **UCY** (Cyprus)

- **ULAKBIM** (Turkey)

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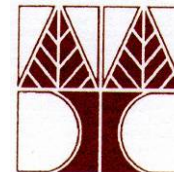
- **The Institute for Parallel Processing - Bulgarian Academy of Sciences, Sofia**

- **Leading position in Bulgaria in**
  - Computer Science
  - Scientific Computations
  - Supercomputing
  - Linguistic Modeling
  - Communications and Control

- **IPP-BAS participates in:**
  - EGEE: NA2, SA1
  - EGEE-II (expected) : NA2, NA3, NA4, SA1

Enabling Grids for E-sciencE

- **1st EGEE and SEE-GRID Workshop in Bulgaria, October 30-31, 2004, Borovets**
  - Purpose: to disseminate the ideas and to spread technical information for the EU projects EGEE and SEE-GRID among members of the Bulgarian Grid Consortium
  - Follow-up events (seminars, presentations and visits at the members of BgGrid)

- **EGEE Dissemination day on EGEE applications**
  - Audience: users which will benefit most from using the Grid

- **2nd EGEE and SEE-GRID Workshop in Bulgaria, March 2006**

- **Institute of Physics in Belgrade**
  - Leading scientific institution in Serbia

Institute of Physics Belgrade - Serbia

http://www.phy.bg.ac.yu/

- **Scientific Computing Laboratory**
  - New partner in EGEE-II (SEE federation)
  - Leading partner in Academic and Educational Grid Initiative of Serbia (AEGIS)
  - Host of central grid site in Serbia: AEGIS01-PHY-SCL
  - FP6 CoE for Simulation of Complex Systems (best ranked proposal in the call)

SCIENTIFIC COMPUTING LABORATORY

http://scl.phy.bg.ac.yu/

- **EGEE-II**
  - Local operation and support centre for Serbia
  - Training and dissemination

- **NA2**
  - Identify target user communities and relevant applications
  - Provide dissemination and outreach activities in Serbia
  - Responsible person: Aleksandar Belic

- **Looking forward to the opportunity to learn from more experienced teams!**

Enabling Grids for E-sciencE

- **Tel Aviv University representing Israel Academic Grid (IAG)**

- **EGEE: SA1, NA3; belonging to SEE**

- **SA1**
  - Two production grid sites (WIS and TAU) since July 2004.
  - Currently installing two additional ones (Technion and OU)
    - Operative but still unlicensed
- **NA3**
  - Two induction workshops, a
    - General, December 2004
    - Specialized, Sept 2005

- **EGEE-II: additionally NA2**
  - To increase grid awareness in Israel

- **PI: Prof. David Horn, Tel Aviv University**
  http://horn.tau.ac.il

http://iag.iucc.ac.il

Enabling Grids for E-sciencE

- **University of Cyprus**
- **Maria Poveda, HPCL, University Of Cyprus**
- **Department of Computer Science**
  - Since 1992, one of the four departments of the School of Pure and Applied Sciences
  - Runs a large number of research programs
- **http://grid.ucy.ac.cy**

- **EGEE partner:
  High Performance Computing systems Lab (HPCL)**
  - Established 2001-2002
  - External funding for 2001-2006
    > 1 Million Euros (FP5, FP6, RPF)
- **http://grid.ucy.ac.cy**

Enabling Grids for E-sciencE
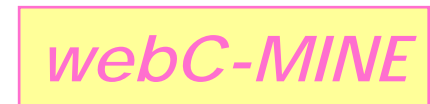
- **HPCL** **was established in an effort to** **promote** **and** **coordinate** **research** **activities in the areas of:**
  - Parallel and Distributed Systems
  - Grid technologies – **CyGRID** initiative in Cyprus
  - Middleware and Performance Engineering
  - Web Technologies
  - Internet Computing

- **Promote** **applications** **of** **Internet** **and** **High-Performance** **Computing** **and** **Networking** **in** **Cyprus** **through support and know-how to local users of** **HPC technologies**

- **Develop,** **support,** **and** **exploit** **a** **high-quality** **research** **infrastructure**

- **10 members** **(2 Faculty, 1 Postdoctoral Associate, 2 PhD candidates, 3 Research Associates, 2 M.Sc. Students)**

- **Close collaborations** **with Rutgers Univ. (USA), ICS/FORTH (GR), Univ. of Manchester (UK), Trinity College Dublin (IR), CNR (IT), Univ. of Athens (GR)**

Enabling Grids for E-sciencE

- **CSIC** (Spain)

- **LIP** (Portugal)

- **RED.ES** (Spain)

Enabling Grids for E-sciencE
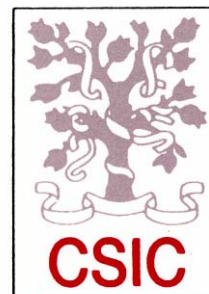
- **Two centres involved:**
  - IFCA (Instituto de Física de Cantabria, Santander)
  - IFIC (Instituto de Física Corpuscular, Valencia)

- **Experience in Grid projects (CrossGrid, IrisGrid, EGEE) without explicit responsibility:**
  - Talks, presentations etc. in several national workshops, dissemination activities of our centres (Semana de la Ciencia, Guided Visits, talks in High Schools, etc)
  - Outreach/dissemination material for distribution: posters, brochures, contribution to Physics and Computing Science Reviews
  - Interaction with media: press releases, TV and radio interviews

- **Initiatives:**
  - To coordinate the efforts done by the SW partners in dissemination, outreach and communication to achieve a good knowledge by the society of the progress performed by EGEE project
  - Actions under study to give a high momentum inside SW Federation

- **Red.es**
  - Institution operating the Spanish NREN, RedIRIS
  - Providing advanced internet connectivity and services to the Spanish research and academic community since 1988
- **IRISGrid = Grid support infrastructure of RedIRIS**
- **Contribution to e-IRG White Papers**

- **Implication with EGEE outreach activities**
  - Asia, Southern Mediterranean, Latin-America

- **Activity in the establishment of global middleware infrastructures**
  - Chair of TF-EMC2 (TERENA)
  - Leading the AAI activity of GÉANT2
  - One of the European members of MACE (Internet2)

Enabling Grids for E-sciencE

- **JINR –** Joint Institute for Nuclear Research, Dubna
  - International, intergovernmental organization
  - 18 Member States
  - fundamental research of the structure of matter
  - development and application of high technologies
  - university education

- **KIAM RAS –** Keldysh Institute of Applied Mathematics of Russian Academy of Sciences Moscow
  - founded in 1953 to solve complex mathematical problems in space exploration, atomic and thermonuclear energy etc. → developing appropriate computer hardware and software facilities

- **SINP MSU –** Skobeltsyn Institute of Nuclear Physics of Moscow State University
  - independent institution for research and education
  - high energy physics, physics of nuclei and space
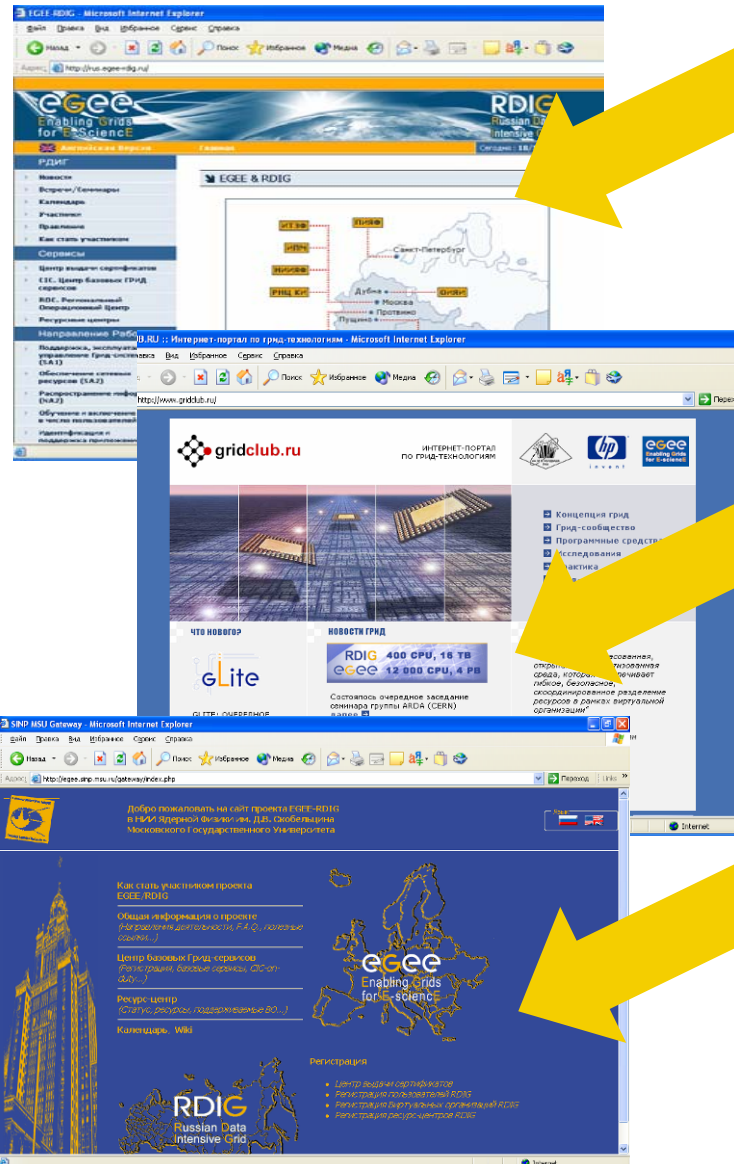
JINR

- lead local NA2 partner in Russia: coordinate local dissemination activities
- support the website http://www.egee-rdig.ru of the Russian EGEE Federation (RDIG)
- organising at least one RDIG conference per year

KIAM RAS

- Russian Grid Club Web site http://www.gridclub.ru: scientific and other communities in Russia
- localising EGEE-II dissemination material to Russia

SINP-MSU

- disseminate EGEE-II experience and achievements in Russia
- promoting the EGEE infrastructure especially to the higher-education area and Industry

- **Expertise in promotion, management, dissemination developments**

- **Workshop and international conference organisations**

- **Community Portal functionality & Pan-European database realisation, content population and maintenance**

- **Production of promotional material**

- **NA2:**

  – Silvana Muscella

  – Hilary Hanahoe

  – Douglas McKinley

Enabling Grids for E-sciencE

- **CERN = European Organization for Nuclear Research**
  - Fundamental research in particle physics
  - Currently builds the Large Hadron Collider (LHC)

- **Lead partner for EGEE (and EGEE-II)**

- **NA2:**
  - Hannelore Hämmerle (hannelore.hammerle@cern.ch)
  - Owen Appleton (owen.appleton@cern.ch)

- **TERENA will not be part of EGEE-II**
  - Many thanks to them for the excellent job they've done!

- **NA2 leadership moves to CERN**
  - Proximity to Project Office is key for smooth running

- **New partner, Metaware SpA will be responsible for specific tasks**
  - Conference organisation, Industrial & governmental dissemination, contact database

Enabling Grids for E-sciencE

- **Media information and relations**
  - Translate news releases and information sheets issued centrally
  - Produce news releases of local interest
    - And provide English translations for the main EGEE site
  - Maintain contact with local media and industry
  - Liaise with Press Office at your institute

- **Websites**
  - Produce local language EGEE websites wherever possible

- **Events**
  - Promote EGEE at local events
  - Organise local events where possible

→ **Pass reports and contacts made to NA2 management**

Enabling Grids for E-sciencE

- **Internal Communications**
  - Help ensure clear communication within the project
  - Make sure we don't miss any dissemination opportunities
    - News within the project
    - Staff attendance at events etc.
  - Look at alternative communication systems
    - Ways around email deluge and use of lists that people don't read!

- **Targeting: Specific material for specialist audiences**
  - Follow-on from Industry targeted flyers
  - Press releases targeted to specific communities, e.g. biomed
  - Presence at specialist events: at least one per application domain

Enabling Grids for E-sciencE

- **Impact assessment/feedback**
  - Need to have a better idea of our impact in all areas
  - Need reports on attendance at events by staff
    - Content
    - Contacts
    - Is it worth attending the events again?
  - Media impact
    - Improve collection of clippings
    - Analyse clippings: publication type, size
  - Follow-up on contacts made
    - Do they join the project?
    - Do Training?

- **Related Project GRM** (Grid Relations Management)
  - Common tools for EGEE and related projects
    - PPT, Common Newsletter

- **November: Hearings with EU (managed by PEB/PMB)**

- **November: Writing the Technical Annex**
  - Detailed implementation plan for the project
  - Manpower ← → Tasks/Deliverables
  - Input from NA2 partners welcome!

- **December: Likely start of Negotiations with EU**
  - May involve changes to Proposal/Technical Annex

Enabling Grids for E-sciencE

- **Foreseen contract start 1 April 2006!**

- **Need to ensure smooth transition EGEE → EGEE-II**
  - Current partners: lot of work wrapping up EGEE
  - New partners: getting to know the project

- **May 2006**
  - Final review of EGEE
- **Directly afterwards: kick-off meeting for EGEE-II**
  - All partners invited to attend

Enabling Grids for E-sciencE

- **Change of management not easy, but we'll do our best to make the transition as smooth as possible**

- **Hope to have an as successful team, as Joanne brought together!**

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Enabling Grids for E-sciencE

- **Suggestions from DE/CH:**
  - Some dissemination tasks work better if they are centralized
    - NA2 head office as service centre for federations
  - Provide ready-to-use layouts (designed with integration of partner logos in mind !!!)
  - Translation of press releases and PR material coordinated centrally
  - Local federation representatives
    - act as a press office for local media
    - take care of the distribution of press releases and PR material
  - There should be a speaker's bureau to make sure that EGEE is represented at all major conferences

- **Key events**

- **Dissemination materials**