Introduction to the school

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WELCOME TO

ICTP/INFM-DEMOCRITOS WORKSHOP
" PORTING SCIENTIFIC APPLICATIONS ON GRID COMPUTING "

TRIESTE, 6th - 17th February 2006

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This first talks

- Welcome to participants
- Acknowledgments to our sponsors
- Rules of the workshop
- Program discussion
- Other information

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Welcome in Trieste !

- A few info about us and you
  - Number of people: ~ 60
    - Participants ~ 40
    - Lecturers / Guest speakers ~ 20
  - Number of different countries: ~ 30

- *Grid computing is coordinated resource sharing and problem solving in dynamic, multi-institutional virtual organizations"* (I.Foster)
  - Hope this school starts from beginning in sharing experiences...

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The organizer: DEMOCRITOS/INFM-CNR

- A national simulation center of INFM/CNR located at Trieste (Italy) hosted by SISSA and close to ICTP

- An HPC/GRID infrastructure was needed

- A specific research line devoted to this task..
  Information Technology for molecular modeling

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Dissemination/training activites in the past..

Past events

- Join INFM-ICTP School on "High performance computing on linux cluster", Trieste, 31 january-15 february 2002
  http://agenda.ictp.trieste.it/smr.php?1395

- A workshop at Cineca on openMosix: 28th of november
  www.democritos.it/events/openMosix.html

- Democritos contributed to several Cineca Labs on linux clusters

- Regional Latin America ICTP school on "High performance computing on linux cluster", Merida (Venezuela), november 2003

- Cluster Computing course at the INFN master in Frascati (2003)

- First Grid School in Latin America, Merida(Venezuela), november 2004

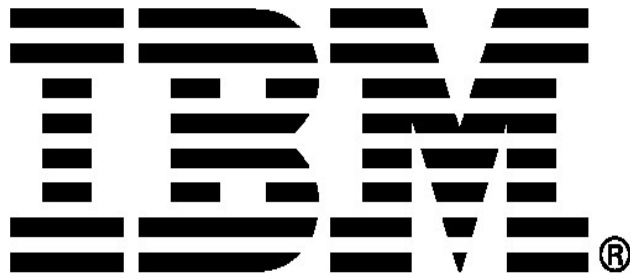- Regional African ICTP school on "HPC on Linux cluster" , Kumasi (Ghana), january 2005

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Thanks to our regional sponsor !

EXADRON
SYSTEMS AND COMPONENTS FOR PERVASIVE AND HIGH PERFORMANCE COMPUTING

Exadron, Amaro (UD) : http://www.exadron.com

Spring Firm S.r.l.

Spring Firm S.r.l., Trieste: http://www.springfirm.it/

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Thanks to our national sponsors !

SUN Italia: http://it.sun.com/

IBM Italia: http://www.ibm.com/it

Why this workshop ?

- ## AIMs
  - Offer you up to date vision of grid computing technology and opportunities related
  - Disseminate the grid computing paradigm
  - Validate GRID computing as tools for doing e-science allowing porting your own scientific application on it.

NOTE: this is a workshop not a school, therefore everybody is supposed to be actively involved!

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Our duties (as teacher/speaker/tutors)

- Present material and tutorial at the best
- Help you during labs sessions
- Respect time !
- Provide workshop materials timely during this course (via agenda)
- Provide all the material on CDs at the end of the school

People to ask

- Ave Lusenti: all the burocracy stuff
- S.C. And Roberto: program/labs/exercises...
- Tony Calanducci/Giuseppe La Rocca: Gilda stuff and tutorials/labs
- Riccardo di Meo: labs/tutorials/exercises/

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Your duties (as participants)

- Follow all the lectures: this is compulsory !
- Make comment/questions
- Be on time !
- Contribute actively to the school
  - Take part in all the labs
  - Write reports as requested
  - Present your research/project (if any)
- Remember: we got more than 100 application and less then 40 were satisfied: please make this chance a great opportunity..

The daily report

- At the end of each day a short written report (less than one page) on the activities of the day is requested to a few participants (2/4)

- Participants are randomly selected and announced at the beginning of the afternoon activities

- The reports should be sent to me (cozzini@democritos.it) and then I will load them in the agenda

- Allowable format: plain text / pdf /openoffice/rft..

- Banned format: word

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The participant's projects

- Please contact me ASAP to organize a short presentation about your work:
  - the scientific application you want to port during this workshop
  - the GRID project you are involved in
  - Anything else, related to the workshop, you will like to present
- Open Sessions are:
  - Friday
  - Thursday (16th of February)
- Other slots can be find if needed

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Working groups

- In the second week lab work is to be done in groups
- Groups will be formed next Monday

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Overview of the program (from agenda)

- DISCLAIMER:
  - Not a definite one: still some small changes and re-arrangements are possible...

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