

Introduction to ACTION-Grid

Support Action

Diana de la Iglesia - diglesia@infomed.dia.fi.upm.es

Biomedical Informatics Group
School of Computer Science
Universidad Politécnica de Madrid

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Introduction

- International Cooperative Action on Grid Computing and Biomedical Informatics between the European Union, Latin America, the Western Balkans and North Africa
- Duration: from 06/08 to 11/09
- Instrument: Support Action



Objectives

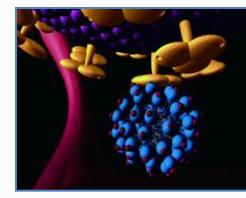
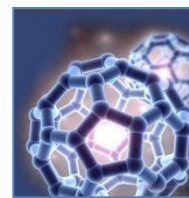
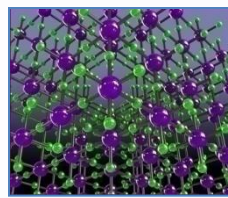
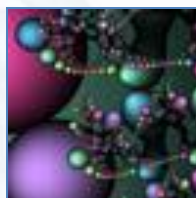
- Main objective: To establish a collaborative environment between the European Union, Latin America, the Western Balkans and North Africa in the Grid and Biomedical Informatics areas.
- Scientific and technological subobjectives:
 - To survey and analyse Grid-based and Biomedical Informatics initiatives in Europe, Latin America, the Western Balkans and North Africa.
 - To foster training and mobility in the involved regions in the areas of Grid computing, Biomedical Informatics and Nanomedicine.
 - To establish a future agenda covering the Grid/Nano/Bio/Medical Informatics.
 - To disseminate results through diverse means, e.g. conferences, articles, website, scientific journals, press releases, etc.

Survey and analysis

- Survey targeted to support the collaboration among different institutions in Europe, Latin America, the Western Balkans and North Africa in the areas of:
 - Research and development
 - Scientific and technological innovation
 - Training and mobility
 - Scientific dissemination
 - Technology transfer
- Build an index of Grid/Nano/Bio/ Medical resources
 - Huge number of resources publicly available over the Internet (databases, services and tools).
 - Problem of locating, identifying and selecting resources.
 - Compiles annotated resources and their associated information
 - Publicly accessible via web

Nanoinformatics

- Application of informatics to some areas in Nanomedicine:
 - Biopharmaceutics
 - Implantable materials
 - Implantable devices
 - Nanosurgery
 - Diagnostic tools
 - Understanding basic life processes
 - Modeling and simulation using informatics approaches
 - Databases of nanoparticles.



Expected results & impacts

- To enhance synergy among Europe, Latin America, the Western Balkans and North Africa by facilitating the exchange of Grid-based methods and tools.
- To foster this synergies among all the actors in the ICT for Health area.
- To extend these synergies from Biomedical Informatics to the Nano-related areas.



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Contact:

- Coordinator: Victor Maojo
vmaojo@fi.upm.es
- Project Manager: Diana de la Iglesia
diglesia@infomed.dia.fi.upm.es

Website: www.vph-action-grid.eu