LinkSCEEM-2

Linking Scientific Computing in Europe and the Eastern Mediterranean – Phase 2

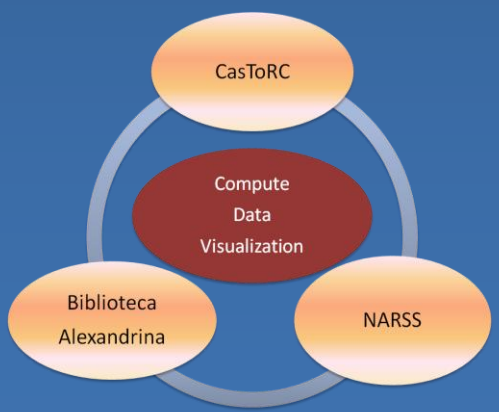
(Coordinated by the Computation-based Science and Technology Research Center - CaSToRC of The Cyprus Institute)

Objectives

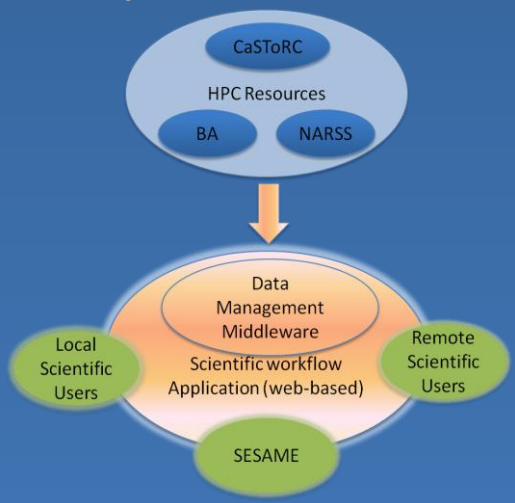
- Optimally integrate regional computational resources utilizing expertise from established leading High Performance Computing (HPC) centers
- Develop and share best practices for managing integrated resources
- Create user support and training programs, and an active networking process to engage research communities and enable scientists in the region to utilize HPC
- Enable research of particular relevance to the region in climate science, cultural heritage and synchrotron applications

Partners

HPC Resource Integration



Implementation Plan



Activities

Coordination Activities

- Networking of user communities
- Management of access to resources
- Training
- Dissemination and outreach

Service Activities

- User support
- Network activities
- Integration of resources

Research Activities

- Cross-disciplinary activities
- Thematic research (climate, cultural heritage, synchrotron data analysis)

Vision for the future

- Reinforce CaSToRC role as HPC regional partner facility
  - offering resources to scientific communities in the region
  - promoting research and educational collaboration activities
- Sustain efforts to promote HPC usage and create a virtual research community
- Focus on the exploration of activities that will enable the long-term sustainability of the LinkSCEEM-2 e-Infrastructure and community

*For more information please visit the project webpage at http://www.linksceem.eu

Consortium Institutions:

Bibliotheca Alexandrina (BA)
Cyprus Research and Academic Network (CYNET)
European Synchrotron Radiation Facility (ESRF)
Jülich Supercomputing Center (JSC)
Inter University Computation Center (IUCC)
Jordanian Universities Network (JUNET)
Max Planck Institute (MPI)
National Authority for Remote Sensing and Space Sciences (N
National Center for Supercomputing Applications University of Illinois at Urbana-Champaign (NCSA)
Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME)
The Cyprus Institute (CyI)

Acknowledgement
Funding provided by EU 7th Framework Program – Directorate General for Information Society