

Project summary

The Virtual Atomic and Molecular Data Centre (VAMDC) is a major new European initiative now building a unified, secure, documented, flexible and interoperable e-science environment-based interface to 17 existing A+M databases.

The SUP@VAMDC (Support at VAMDC) aims at building upon the VAMDC e-infrastructure, supporting different studies and actions linked to the VAMDC e-infrastructure that will in accord with the mission of INFRA-2012-3.3:

- Provide operational, legal and technological support for studies aimed at developing a sustainable open scientific data e- infrastructure in Atomic and Molecular Data.
- Provide the support and medium for including authentication, authorisation and accounting (AAA) as well as licensing and tools within the VAMDC brand
- Promote and fashion future interoperability (technical, semantic, reference architecture, etc) across A&M data community through the promotion, monitoring and adoption of common standards.
- Provide support for dissemination actions aimed at raising the visibility of the VAMDC e-infrastructure towards wider audiences such as other domains which could use the VAMDC e-infrastructure for their own science or for their own dissemination of data, such as students and/or citizen-scientists. This programme includes the development of education-related tools linking VAMDC's scientific repositories and research data infrastructures, including establishing a free open access repository containing all peer-reviewed articles resulting from the VAMDC programme.
- Provide support in developing a globally connected and interoperable VAMDC e-infrastructure

between EU and the rest of the world, including Brazil , South Africa, Asia, Australia, India through hosting

workshops and supporting dialogue between such synergistic structures.

- Analyse and evaluate possible business models for supporting an Open Science model (OPEN VAMDC) whilst assessing the impact of such a modeling in achieving financial sustainability.