

Extension towards other e-infrastructure and EU schemes

Contact person :

Objectives :

WP4 supports the technical cooperation with other A+M schemes and the implementation of VAMDC e-infrastructure in other regions, in particular in developing regions. This corresponds to handling Objectives O2 and O6 taking advantage of the work done in WP3 and WP5.

WP Lead:

Description of work :

The WP4 work package is a support Work Package that will organize tutorials for our “Regional Partners” and external partners. For the “Regional Partners”, it will support the development of regional e-infrastructure. For external partners from the USA, it will support exchanges and meetings in the USA in order to favour the adaptation of VAMDC technology in the USA by the producers and users of A+M data. For other external partners, it will support their attendance to tutorials in order that they be fully aware of the technological aspects to be implemented in their own country, and of the different issues that they need to consider in order to be able to discuss political issues in WP2.

Tasks :

Task 1: Coordination of WP4 Activities (Lead = UU)

A WP4 Board formed of all WP4 partners, chaired by the WP4 leader will have bi-monthly teleconference meetings. The Board will coordinate all activities in WP4 and provide a monthly report on WP4 activities (to be accessible via the website).

The Board will also prepare the path to the Plan (D4.1) during the first 2 months of the project. Some ERA members are closely connected to some of the Regional/External members, those connected ERA/Region or ERA/external Nodes will develop the Plan (ID4.2), revised Plan (ID4.3) and will discuss more actively the various connections to activities in the other Work Packages. The monthly reports will summarize all those activities.

The Board will also organise 2 workshops/tutorials in the ERA during the first year of project: the first one aims at introducing the VAMDC e-infrastructure technology to the Regional, External Partners and other A+M schemes (Kick-Off meeting), the second one to consolidate their knowledge (2nd Annual Meeting). Additional travels are planned to and from the ERA (but kept to the minimum necessary).

The WP4 Board will also define the WP4 Plan (ID4.2), the revised plan for WP4 (ID4.3) in D1.2, and Year 1/Year 2 WP4 reports (ID4.4 and ID4.5) to be included in Year 1/Final Reports to EU.

Task 2: Extension to Regional Partners (KAERI, UNISA, TIFR, OBSPARIS,OU)

Each Regional Partner will organise in sub-tasks (2.3 to 2.5) Working Groups, Tutorials, “Regional” internal networks and Websites in order to design pathways to the development of “Regional-VAMDC” e-infrastructures connected to the VAMDC e-infrastructure. All Regional Partners will be present at the Kick-off and the 2 Annual Meetings, where they will attend tutorials and report their activities.

Following the first workshop/tutorials (at the kick-off meeting), the WP4 Board will support each “Regional” partner (and to some extent the external partners) in establishing a set of actions, such as workshops leading to working groups, the organisation of local tutorials where members of VAMDC will give lectures (in order to optimize resources, visio-conferences via skype will be used). At the end of the second year, we expect that a Regional Coordination would be identified, that some comments be available concerning new requirements for the VAMDC e-infrastructure. In the second year, these Regional Coordinations will actively organise meetings/tutorials in order to develop the Regional e-infrastructures. Each sub-task will deliver its monthly report and will be responsible for updating their Public Members WebPages (D4.2, D4.4, D4.5, D4.6) with all the relevant information concerning the Regional-VAMDC e-infrastructure.

For WP4 reports (ID4.4, ID4.5) each regional partner will provide to the WP4 leader a regional node report reviewing their activities and describing their achievements with respects to the plans and revised plans.

Sub-Task 2.3 : Extension of VAMDC to KOREA (KAERI, OBSPARIS) (ONLY IF FUNDED BY Korea)

Sub-Task 2.4 : Extension of VAMDC to South Africa (UNISA, OBSPARIS)

Sub-Task 2.5: Extension of VAMDC to India (TIFR, OU)

Task 3: SUP@VAMDC Support towards external partners (UU, UCL, KOELN, OU)

Task 3 will concentrate on organising tutorials in order to work out how to ensure interoperability between those A+M schemes/networks that already organise dissemination of A+M data for diverse communities and the VAMDC e-infrastructure. This task corresponds to the Objective

O2, i.e. to promote and monitor the adoption and adaptation of common standards. The current targeted schemes are the APAN network and the DCN network of the IAEA (the political issues will be addressed in WP2), as well as databases linked to communities in the USA.

Sub-Task 3.1: to the Asian IPAN network, to DCN, to KOREA (OU, UCL, UU,OBSPARIS)
The Asian Pacific Atomic data Network (APAN) network comprises partners involved in production, dissemination and evaluation of atomic data in China, Korea, Japan and Australia. The Australian representative of APAN are external partners of SUP@VAMDC. The Data Centre Network is coordinated by IAEA which is an associate partner (a description of DCN and status of IAEA is described in section 2.3).

If KAERI partner does not get funded by its national Government (See Section 2,3), the sub-Task 2.3 will be removed and KAERI partner will participate to the tutorials in order to adopt VAMDC technology for the KAERI database.

Sub-Task 3.2: to the USA through HITRAN network and JPL NASA (KOELN, UCL)
The HITRAN and JPL managers are external partners of SUP@VAMDC; they were already involved with VAMDC for the technological uptakes of VAMDC. HITRAN has reached some maturity, because UCL took charge of including HITRAN database in the VAMDC e-infrastructure. JPL and KOELN had a MoU signed on order to develop some collaboration. The goal of this sub-task is to strengthen this collaboration and use both JPL and HITRAN as role models in order to help the uptake of VAMDC in the USA.

Sub-Task 3.3: Extension of VAMDC to Brazil (UFPR, UCL)
The extension to Brazil will be supported via setting up a VAMDC node at UFPR external partner. This will be organised in the following way: UCL will fully support attendance of UFPR external partner to ERA events, will support EU tutors at events organised in Brazil by UFPR (3 events are planned in the milestones), will support training of UFPR external partner at UCL including the Brazil VAMDC website. The objective is to set up a VAMDC node for producers in Brazil and to promote the use of VAMDC for different communities in Brazil. The collaboration will work towards outreach in Brazil through translation into portuguese language.

Deliverables : [* SUPP: Extension towards other e-infrastructure and EU schemes*](#)

Milestones : [WP4](#)