VAMDC

Virtual Atomic and Molecular Data Centre

D3.5

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Dissemination/Training Report 2

Version 0.1

Grant agreement no: 239108

Combination of Collaborative Projects & Coordination and Support Actions

Project Information

Project acronym: VAMDC

Project full title: Virtual Atomic and Molecular Data Centre

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Project web sites: http://www.vamdc.eu

http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/WebHome

Consortium:

Beneficiary Number *	Beneficiary name	Beneficiary short name	Country	Date enter project**	Date exit project**
1(coordinator)	Centre National de la Recherche Scientifique	CNRS	France	Month 1	Month 42
2	The Chancellor, Masters and Scholars of the University of Cambridge	CMSUC	UK	Month 1	Month 42
3	University College London	UCL	UK	Month 1	Month 42
4	Open University	OU	UK	Month 1	Month 42
5	Universitaet Wien	UNIVIE	Austria	Month 1	Month 42
6	Uppsala Universitet	UU	Sweden	Month 1	Month 42
7	Universitaet zu Koeln	KOLN	Germany	Month 1	Month 42
8	Istituto Nazionale di Astrofisica	INAF	Italy	Month 1	Month 42
9	Queen's University Belfast	QUB	UK	Month 1	Month 42
10	Astronomska opservatorija	AOB	Serbia	Month 1	Month 42
11	Institute for Spectroscopy RAS	ISRAN	Russian Federation	Month 1	Month 42
12	Russian Federal Nuclear Centre All-Russian Institute of Technical Physics	RFNC-VNIITF	Russian Federation	Month 1	Month 42
13	Institute of Atmospheric Optics	IAO	Russian Federation	Month 1	Month 42
14	Corporacion Parque Tecnologico de Merida	IVIC	Venezuela	Month 1	Month 42
15	Institute of Astronomy of the Russian Academy of Sciences	INASAN	Russian Federation	Month 1	Month 42

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Document

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Lead beneficiary:	OU
Dissemination level:	PU
Nature:	Report
No of pages (incl. cover):	

Abstract	The objective of D3.5 is to describe VAMDC Dissemination and Training Plan for Period 2. This report corresponds to Activities in WP3: NA2 "Dissemination and Training". This report is included in the VAMDC Periodic Report for Period 2.

Versioning and Contribution history

Version	Date	Reason for modification	Modified by
V0.1	June 2011	Compilation of WP3 contributions from nodes	F. KOSMALA
V0.1	July 2011	WP3 report for P2	N. Mason
V0.1	July 2011	Draft of D5.3	F. Kosmala
V0.1	August 2011	Final Check	M.L. Dubernet

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Name	Date	Recipient	Date
M.L. Dubernet	24th August 2011	Mrs Asero	24th August 2011

WP3 ACTIVITIES DESCRIPTION

Work package number	3			Start date or starting event:			3			
Work package title	NA2: Dissemination and Training									
Activity Type	COORD									
Participant id	1	2	3	4	5	6	7	10	13	14	15
Person-months per beneficiary: (Total = EU + Node Contributions)	6	9	3	18	14	8	1	12	6	11	3

Table of Content

1. WP3 Objectives

Our objective is to attract new participants to the e-infrastructure, i.e. producers and users of data.

The key objective of the training and dissemination activity is to ensure that principle stakeholders are engaged in the development and implementation of the VAMDC E-infrastructure. This Work package will therefore provide for:

a) Dissemination of VAMDC services at national, EU and non-EU levels

b) Training of producers & users at master, PhD and professional levels (both academic and non-academic users)

Specifically this work package provides for:

1) An annual meeting, which showcases the work of the e-infrastructure, supports networking and scientific communication, and becomes the conference of choice for users and providers of atomic and molecular data

2) Organize topic based scientific workshops, twice a year, to bring together proposers, users and providers of A&M data to discuss data needs and how VAMDC can meet those needs.

3) Arrange teaching tutorials (on-line and face to face) on the VAMDC e-infrastructure

2. WP3 Milestones and Deliverables

Milestones

M3.1	CTT meetings	WP3	OU/UNIVIE	Months 10, 22, 34, 42	Minutes of Meetings on Internal Website
M3.2	Review of Conferences/Schools	WP3	OU/UNIVIE	Months 10, 22, 34	Agenda and Training material of workshops on Public Website

M3.3	Review of Regional Tutorials	WP3	OU/UNIVIE	Months 10, 22, 34	Agenda and Training material of workshops on Public Website

Deliverables

D3.1 Dissemination and Training (D&T) Plan (PM 3)
D3.2 Annual D&T Report to be included in report to EU – Year 1 (PM 10)
Annual reports will provide publicly available summaries of the activity of the WP for each project year. Report will include a list of meetings/conferences attended to disseminate VAMDC to other communities. Annual reports will be for examined by the VAMDC Project Board.
D3.3 VAMDC Level 1 Service Prototype (PM10)
D3.4 VAMDC Annual Project Meeting 1 at OU (4) (PM12)
An annual meeting will be organized at the end of each year of the project
D3.5 Annual D&T Report to be included in report to EU – Year 2 (PM 22)
D3.6 VAMDC Level 2 Service Prototype (PM22)
D3.7 VAMDC Annual Project Meeting 2 at CMSUC (2) (PM24)
D3.8 Annual D&T Report to be included in report to EU – Year 3 (PM 34)
D3.9 VAMDC Level 3 Service prototype (PM34)
D3.10 VAMDC Annual Project Meeting 3 at UNIVIE (5) (PM36)
D3.11 VAMDC Service Release (PM40)
D3.12 VAMDC Final Annual Project Meeting at CNRS (1) (PM42)
D3.13 Final Report of Dissemination and Training to be included in final report to the EU (PM42)
The final report will include a reflexive analysis of the effectiveness of the WP, and proposals for future activities beyond the lifetime of the project. This deliverable will be organized under Task 1.

Annual D&T Plan revisions included in Revised Annual VAMDC Project Plans – Year 1,2,3

3.   WP3 Tasks Description

WP3 Leader	N. Mason (OU)	
Task Number	Leader	Other Partners
1 Coordination	N J Mason (OU)	F. Kupka (UNIVIE)
2 Annual meetings	N J Mason (OU)	All partners involved in WP3
3 Scientific Workshops	N J Mason (OU)	All partners involved in WP3
4 Training Tutorials	N Walton (CMSUC)	UCL; CPTM, INASAN, IAO
5 VAMDC Service	N Walton (CMSUC)	UU - CNRS

Description of work

This activity provides the conduit for communicating both the aims and results of the VAMDC e-infrastructure. Dissemination activities are aimed at VAMDC's users, the wider European science community, European industrial stakeholders and policy makers. It is intended to provide an attractive platform to exchange and present results, develop new ideas

D3.5 Dissemination/Training Report 2

and to network with other data providers and e-infrastructures. This will be accomplished by organizing a high profile annual meeting, being represented at other appropriate conferences and hosting a series of targeted topical workshops and teaching tutorials.

NA2 therefore consists of four tasks:
1) Coordination
2) Organizing an annual meeting and arranging representation at other relevant meetings
2) Organizing themed scientific workshops
3) Organizing training tutorials

Task 1: Coordination (Chair OU(4), Deputy Chair UW_A(5))

Dissemination activities will be a pre-requisite for all VAMDC's activities. Therefore each NA, SA and JRA will nominate a member to prepare the necessary material for disseminating the aims, objectives and results of these activities. Dissemination across the project will be coordinated by the **Communication and Training Committee (CTC).** The role of the communication and training committee is to propose a list of dissemination and training actions, to organize the general events linked to this project and to compile records of actions. It will be composed of NA2 partners and chaired by the WP3 leader (OU). The CTC will organise the communication and training section of the VAMDC web-site. This section will hold all records of dissemination and training actions and the CTC will be responsible for updating this section with announcements, news, proceedings, and presentations.

Task 2: Organisation of annual international conference and VAMDC's representation at other relevant meetings

Annual meeting The CTC will organise an annual international conference focused on the VAMDC e-infrastructure, its resources and services. The programme committee will be chaired by OU with UNIVIE as deputy. It will be aimed at users, producers and developers. It will include both academic and non-academic users. This major event will be held each year in a different part of the EU and proceedings will be published (both on line and subject to discussions with scientific publishers in hardcopy – note the UK Institute of Journal of Physics Conference Series have expressed interest in publishing such proceedings).

It is VAMDC's ambition that this meeting become a conference of choice for A&M database providers and for A&M data users (We wish at least one meeting to be combined with the international ICAMDATA conference).The conference will therefore aim to attract a wide audience including many of the key stakeholders we wish to engage with (industrialists, politicians, media). The Conference will also be the location of many of the VAMDC e-infrastructure's necessary management meetings.

Dissemination via EU national and international existing conferences

Yearly the CTC will establish a list of national and international conferences where oral presentations and demonstrations on VAMDC will be valuable. These national and international conferences will usually be conferences of producers and users. AOB will be responsible for collating the information and arranging with other partners VAMDC presence at such meetings. The CTC will accordingly prepare suitable display material (in electronic format and hard copy) for display at such meetings which can be *used by any of the VAMDC partners.*

Organisation of "regional" tutorials

Since the VAMDC e-infrastructure is planned as an international activity and includes international partners the CTC will also prepare a list of tutorials that will be held in non-EU countries in order to spread the knowledge and practice of the VAMDC infrastructure. These

D3.5 Dissemination/Training Report 2

tutorials will be organised by our non-EU partners (CPTM, INASAN, IAO, AOB) and will be aimed at people from those "regions".

Task 3: Scientific workshops

Central to the aims of the VAMDC is the formation of an infrastructure that responds to the needs of its user communities since the major impact of the e-infrastructure will be its adopting by scientific and technology communities. Therefore in order to ascertain the requirements of current and potential VAMDC communities and in order to inform the project we will host a series of themed workshops with such communities. These meetings may be stand alone or more usefully as part of the user community's own conference/meetings programme (through arranged VAMDC sessions). It is anticipated that two such meetings would be per year. Administration of these meetings will be arranged by the CTC.

Proposed topics follow those identified in Section 3 (Impact) and include; The astronomical and planetary science Community (with sessions held at the Euro planet RI meeting, SF2A, IAU meetings); The atmospheric science community (in collaboration with one of the HITRAN database meetings); The technology plasma community (at its European meeting ESCAMPIG); The fusion community (as part of the IAEA meetings for ITER itself part of the EURATOM programmed); The Lighting industry (hosted by Philips ltd) and the radiation sciences community (possibly in collaboration of GEANT meeting and the EU RADAM conference series). Each of the following partners will organize (and when necessary host) one or more such workshops; OU (plasma and radiation sciences); UCL and IAO (atmospheric science and Hitran); CMSUC, AOB, CNRS (astronomy and planetary science); UNIVIE and OU (fusion (with IAEA) and lighting).

Task 4: Training Tutorials

 CMSUC and UCL will prepare material for the partners to use in training workshops both in their own countries and internationally. These tutorials will be focused in developing a user's competence to use the e-infrastructure and to interface it into their own operating systems; Short training sessions will be integrated into the Annual meeting. All partners will be required to nominate one member who will be able to 'train' and/or provide support for their national users. Our non EU partners (CPTM, INASAN, IAO) will also prepare a self-studying e-tutorial for VAMDC users who can not attend such tutorials. We (OU,UCL) will also prepare an e-tool for general public/more general stakeholders such that they can take a virtual guided tour of VAMDC including its current status: statistics, content, geography of clients and producers etc.

Task 5: VAMDC Service & Service Prototype Release

CMSUC, UU and CNRS will lead the coordinated release of the annual VAMDC prototype service. This will lead to the final release of the VAMDC service infrastructure. The annual prototypes will be reviewed at the yearly project meetings and available for assessment alongside the VAMDC annual reports.

The prototype services will contain the following functionality:

Level 1: Preliminary VAMDC service with simple data access to the core VAMDC data resources

Level 2: Enhanced interoperable data access to VAMDC data resources, all resources accessible

Level 3: Interoperable VAMDC data access with VAMDC tools available (client side or server side accessible via through workflow enactment engines)

VAMDC Service: Final full service, including access to resources from the wider community

(through the SA1 / Task 6 community call).

4. WP3 Tasks Plans for Period 2

Period: 01/07/2010 – 30/06/2011
WorkPackage: Working Group 3
WorkPackage Leader and co-Leader: OU (N J Mason) and UNIVIE (F Kupka)
Participants in the WorkPackage: CNRS, CMSUC, UCL, OU, UNIVIE, UU, KOLN, AOB, IAO, IVIC, INASAN

Part 1

Objectives and details for each task in Year 2.

This activity provides the conduit for communicating both the aims and results of the whole VAMDC e-infrastructure. Dissemination activities are aimed at VAMDC's users, the wider European science community, European industrial stakeholders and policy makers. It is intended to provide an attractive platform to exchange and present results, develop new ideas and to network with other data providers and e-infrastructures. This is to be accomplished by organizing a high profile annual meeting, being represented at other appropriate conferences and hosting a series of targeted topical workshops and teaching tutorials.

Task 1: Coordination Dissemination across the project is coordinated by the Communication and Training Committee (CTC) whose role is to propose a list of dissemination and training actions, to organize the general events linked to this project and to compile records of actions. It is composed of NA2 partners and chaired by the WP3 leader (OU), the CTC has been established and is responsible for the communication and training section of the VAMDC web-site but did not meet in Year 1 annual meetings due to Travel disrpution. The CTC with member roles is as follows:

Nigel J Mason (Chair, workshops)
Claudio Mendoza (Regional workshops)
Friedrich Kupka (Vice-Chair) (Host 3rd annual meeting)
Nicholas Walton and Guy Rixon (VAMDC service and prototype release, Host 2nd annual meeting)
N. Piskunov (user tutorialsand Prototype release)
M.S. Dimitrijevic (Regional workshops)
T.A.Ryabchikova (Regional workshops)
K Benson (tutorials)

The CTC website will hold all records of dissemination and training actions and the CTC will be responsible for updating this section with announcements, news, proceedings, and presentations. This to be updated in year 2

Task 2: Organisation of annual international conference and VAMDC's representation

at other relevant meetings

The second annual meeting will be held in Cambridge in April 2011 organised by Nicholas Walton and Guy Rixon and the third in Vienna in 2012 possible with ICAMDATA meeting. Members of the CTC and other project members will continue to attend both national and international conferences where they made oral presentations and demonstrations on VAMDC.

The CTC is preparing suitable display material (in electronic format and hard copy) for display at such meetings which can be *used by any of the VAMDC partners.*

With the release of the VAMDC prototypoe regional workshops are to be arranged by non-EU partners (IVIC, INASAN, IAO, AOB).

VAMDC may participate in the proposed large exhibition dedicated to planetary science and astrochemistry as part of the International Year of Chemistry in Brussels in June 2011 supported by COST, ESF and in collaboration with Europlanet and LASSIE (EU ITN). O)ne day is dedicated to meetings and briefings with Commission and members of European Parliament whilst two days will be directed towards public exhibition.

Task 3: Scientific workshops

Three science workshops with users were arranged in Year 1 as per aim of the WP.

With the *radiation sciences communit*y held in collaboration with the EU RADAM conference series in Madrid June 30 to July 4. Using the opportunity arising from the 20th ESCAMPIG meeting discussions with *technological plasma community and lighting communities* were arranged.

In Year 2 Workshops with fusion community and discussiosn with the Alladin database will be arranged.

Workshops with the Astronomical and Planetary sciences community will be arranged, the latter with Europlanet the Research infrastructure. Collaborations with the HITRAN database will be developed/explored

Task 4: Training Tutorials

CMSUC and UCL will prepare material for the partners to use in training workshops both in their own countries and internationally once the service prototype is available.

Task 5 VAMDC Service & Service Prototype Release CMSUC and UU will lead the coordinated release of the annual VAMDC prototype service. This will lead to the final release of the VAMDC service infrastructure. The layout and content of the first prototype was r Nicholas Walton and Guy Rixon eviewed at the first annual meetings and is expected to be available for assessment in September 2010.

5. WP3 Tasks Reports for Period 2

VAMDC
Periodic Report Template (per Workpackage)

Period: 01/07/2010 – 30/06/2011
WorkPackage: Working Group 3
WorkPackage Leader and co-Leader: OU (N J Mason) and UNIVIE (F Kupka)
Participants in the WorkPackage: CNRS, CMSUC, UCL, OU, UNIVIE, UU, KOLN, AOB, IAO, IVIC, INASAN

Part 1

A summary of progress towards objectives and details for each task

This activity provides the conduit for communicating both the aims and results of the VAMDC e-infrastructure. Dissemination activities are aimed at VAMDC's users, the wider European science community, European industrial stakeholders and policy makers. It is intended to provide an attractive platform to exchange and present results, develop new ideas and to network with other data providers and e-infrastructures. This is to be accomplished by organizing a high profile annual meeting, being represented at other appropriate conferences and hosting a series of targeted topical workshops and teaching tutorials.

In the second year of the project (01/07/2010 to 30/06/2011) links with several other database providers have been further developed and presentations made at suitable meetings.

Task 1: Coordination Dissemination across the project is coordinated by the **Communication and Training Committee (CTC) whose** role is to propose a list of dissemination and training actions, to organize the general events linked to this project. It is composed of NA2 partners and chaired by the WP3 leader (OU), the CTC was established and is responsible for the communication and training section of the VAMDC web-site. This section records dissemination and training actions and the CTC will be responsible for updating this section with announcements, news, proceedings, and presentations. The CTC met at 2nd annual meeting in Cambridge – see below and is preparing advertising material and in part discussing sustainability issues

Task 2: Organisation of annual international conference and VAMDC's representation at other relevant meetings
The second annual meeting was held in Cambridge March 2011 with Dr N Walton as local chair with sessions dedicated to the CTC and presentations and discussion with user communities – which were not cancelled at first meeting due to travel problems, The third meeting is scheduled for Vienna in February, 20-24, 2011.

Members of the CTC and other project members have attended both national and international conferences where they made oral presentations and demonstrations on VAMDC. The CTC is preparing suitable display material (in electronic format and hard

copy) for display at such meetings which can be *used by any of the VAMDC partners.*

Links with several other database providers have been established and presentations made at suitable meetings most notably the Europlanet Annual meeting European Planetary Science Congress held in Rome September, 19-23 2010 in a session organised on databases. VAMDC was also represented and presentation given at the EU Cost Action CM0805 The chemical Cosmos in Grenoble, 5-8 October, 2010, http://cost.astrochemistry.eu/ AND http://cost.obs.ujf-grenoble.fr/index.html. The Dyson meeting held in Rome November 16-19, 2010 http://fias.uni-frankfurt.de/dyson2010/app/webroot/files/DySoN2010_1st_Announcement.pdf and the Pacific Chemistry Conference held in Hawaii December 2010 http://www.pacifichem.org/ where it was presented orally in space and planetary science session (18-19). Several enquiries have followed from Asian and Australasian participants as to when they can access to the VAMDC server. VAMDC was also advertised by the OU in an Astrochemistry/plasma meeting held under the auspices of UK Royal Society of Chemistry and /Royal Astronomical Society at Eindhoven, Netherlands, January 5-7. http://web.phys.tue.nl/nl/de_faculteit/onderzoeksscholen_en_instituten/cps/astrochemistry_2011_annual_meeting and at the SAPP Meeting held in Slovakia January 15-20, 2011 http://neon.dpp.fmph.uniba.sk/sapp/. The OU also presented a briefing to European Science Foundation (ESF) at the inaugural meetings of the 'Eurogenesis' EUROCORE programme 'Origin of the Elements and Nuclear History of the Universe' (dedicated to research on star formation) http://www.esf.org/activities/eurocores/running-programmes/eurogenesis.html.

VAMDC was also presented at the NWO workshop on Astrochemistry; Molecular Networks Connecting the Universe which sought to bring together related astrochemsitry activities in EU. Presentations were made by both OU and the VASMDC chair (18-20 April 2011 Amsterdam) www.nwo.nl/astrochemistry. VAMDC was also presented at IAU Meeting Toledo May 30-June 4 ,2011 with several VAMDC Board members attending and presenting poster and oral talks

VAMDC is mow being quoted/references in several publications and a review of its aims and objectives was published in a review paper presented at the 16th Symposium on High Resolution Molecular Spectroscopy by the VAMDC Chair. A list of publications referencing VAMDC is available on the wiki pages. This period has seen the publication of first VAMDC Newsletter (editors F. Kupka, T. Rank-Lueftinger of Vienna node)

Task 3: Scientific workshops
In 2010 three science workshops with users were arranged as per aim of the WP.
1   With the radiation sciences community held in collaboration with the EU RADAM conference series in Madrid June 30 to July 4. In a special session the data used and thence the community data needs were reviewed and the aims and objectives of VAMDC reported. In a subsequent discussion session the opportunity for VAMDC to interact with other databases and engage with the modelling community were reviewed. The suggestion of a survey form amongst this community was raised and it was agreed to formulate one in consultation with this community.
2   Using the opportunity arising from the 20th ESCAMPIG meeting discussions with technological plasma community and lighting communities were arranged. Topical sessions were arranged to both review the databases used by these communities and to seek to engage with them in the construction and development of VAMDC. Much interest was expressed

but many wish to see an operational system before judging its use to their research. Several industrial based users requested information on the commercial arrangements of VAMDC since many databases are provided on a cost basis. If they had their own databases they stated there are some commercial sensitivities e.g. in letting rivals what compounds they are investigating may reveal what feed gases etc they are investigating. This meeting was followed by further discussions with AMO and plasma users and providers at the 5th Conference on Elementary Processes in Atomic Systems (CEPAS 2011) held in Belgrade, Serbia,
June 21 - 25, 2011 http://www.cepas2011.ipb.ac.rs Reports of these meetings are posted on the VAMDC twiki/website.
3   A one-day meeting *Workshop on Grid Computing for Atomic Data Producers* was held at the Observatoire de Paris, France, on the 15th of December 2010. This event was attended by around 12 participants who had hands-on opportunities to run several study cases on their national grids.

Task 4: Training Tutorials and regional meetings
Within Europe training tutorials were held in Meudon in January 27-29, 2011 and Lund (February 2011.
The VAMDC Venezuelan node has been intensively involved in the dissemination of the Project in the Latin American region and of the benefits of Latin-America–Europe scientific collaborations. With regards to training, the Venezuelan node has been instrumental in the organization of a one-day workshop[1] at the Observatoire de Paris, France, on grid computing for atomic data producers. In these initiatives, we have received support from VAMDC members at the Observatoire de Paris. In the Latin American region, the VAMDC Project has been supported right from the outset by EELA[2] (E-science grid facility for Europe and Latin America), and more recently, by GISELA[3] (Grid Initiatives for e-Science virtual communities in Europe and Latin America). The contributed paper "XSTAR web service: from the UNIX shell to the scientific workflow" published in the proceedings of *Conferencia Latino Americana de Alto Rendimiento (CLCAR 2010)* held in Gramado, Brazil, in August 2010 was written such that it would become a comprehensive and concise tutorial on the deployment of applications as SOAP web services. The motivation behind this initiative was to promote cloud computing and SaaS in the Latin American HPC communities.

The WP leader met with VAMDC Serbian partner (AOB) to prepare the VAMDC Regional workshop and School in Atomic and Molecular Data which is set for June 7-9, 2012 http://poincare.matf.bg.ac.rs/~andjelka/VAMDC/

It was agreed at the Second annual meeting that the Russian training tutorial and regional workshop would be held in 2012 to allow the release of further VAMDC prototype material

Task 5 VAMDC Service & Service Prototype Release CMSUC and UU will lead the coordinated release of the annual VAMDC prototype service. This will lead to the final release of the VAMDC service infrastructure. The layout and content of the first prototype was reviewed at both annual meetings and release of the Level 2 service release is planned for September 2011 following demonstration to the SAB on 30 June 2011. UCL node is

[1]   http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/GridWorkshop
[2]   http://www.eu-eela.eu/
[3]   http://www.gisela-grid.eu/

responsible for the development of course material to be deployed to University courses.

Significant results (Activities and Deliverables)

a) Task1: Set up management and coordination of training and dissemination including the Communication and Training Committee
b) Task 2: First annual meeting of the VAMDC project held in Open University, Milton Keynes April 18-22 Second annual meeting held in Cambridge March 28-31, 2011. Preparation for third annual meeting in Vienna February, 20-24, 09212
c) Task 2: Arranged VAMDC representation at suitable meetings with briefings to interested audiences and engaged with data providers and database organisers (see above).
d) Task 3: Arranged three scientific workshops to engage with users – Radiation sciences community at its 2010 RADAM meeting in Madrid June 30 –July 4th, 2010; The Technology plasma community and lighting industry at the 20th ESCAMPIG meeting Belgrade July 13-17, 2010.
e) Task 3 Publication of first VAMDC Newsletter (F. Kupka, T. Rank-Lueftinger of Vienna node)
f) Task 3. Developing suitable links with database providers and users
g) Task 4. Training Tutorials content discussed at annual meetings, further development awaiting service prototype release VAMDC Implementation Tutorial (Paris, 27-29 January 2011). See http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/ScientificWorkshops

h) Task 5. VAMDC Service & Service Prototype Release due autumn (September 2011)

Deliverables

D3.1 Dissemination and Training (D&T) Plan - DONE
http://www.vamdc.eu/public-deliverables/14-deliverables-wp3/

D3.2 Annual D&T Report to be included in report to EU – Year 1 - DONE
Annual reports will provide publicly available summaries of the activity of the WP for each project year. Report will include a list of meetings/conferences attended to disseminate VAMDC to other communities. Annual reports will be for examined by the VAMDC Project Board. http://www.vamdc.eu/public-deliverables/14-deliverables-wp3/

D3.3 VAMDC Level 1 Service Prototype - DONE – Demonstrated at Review Meeting 1 (Talk-4.pdf and Talk-5.pdf)
http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/RmCycleOne

D3.4 VAMDC Annual Project Meeting 1 at OU – DONE -
An annual meeting will be organized at the end of each year of the project
http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/PmCycleOne/

D3.5 Annual D&T Report to be included in report to EU – Year 2 – DONE –
http://www.vamdc.eu/public-deliverables/14-deliverables-wp3/ *(this report)*

D3.6 VAMDC Level 2 Service Prototype - DONE - – Demonstrated at Review Meeting 1
http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/RmCycleTwo/

D3.7 VAMDC Annual Project Meeting 2 at CMSUC - DONE –
An annual meeting will be organized at the end of each year of the project
http://voparis-twiki.obspm.fr/twiki/bin/view/VAMDC/PmCycleTwo/

Deviations from the contract (Annex I) and reasons for them (if applicable)

none

Failures to achieve critical objectives and/or not being on schedule and reasons for them (if applicable)

N/A

Proposed corrective actions (if applicable)

N/A