

Final Version, 15 July 2008

The EuroVO-DCA Project Coordination Team (PCT) held its third meeting on May 29th 2008, with the following main objectives:

- Assessment of activity of the first six months of Cycle 2, updated program for the next six months.
- Discussion of the Census of European data centres.
- Review report to the Board (minutes of the meeting).
- Preparation of the Final Periodic reports to EU (due on December 2008).
- Follow-up of recommendations from the EC review.
- Risk Register and Self-evaluation Matrix update.

Meeting attendees were the Project Manager, the partners' PCT representatives and the IST chair. Jens ZUTHER, who joined GAVO, was invited to attend.

A list of actions to be taken (Annex 1) has been issued and is attached to this document.

PARTICIPANTS LIST

PCT members:

CNRS	Mathias DEPRETZ (Project Manager)
CNRS	Françoise GENOVA (Project Coordinator and CNRS PCT member)
CNRS	Mark ALLEN (IST Chair)
ESA	Pedro OSUNA
ESO	Andreas WICENEC
INTA	Raul GUTIERREZ
MPG	Gerard LEMSON (Invited to attend: Jens ZUTHER)
NOVA	Andrey BELIKOV
LU	Anita RICHARDS

Apologies: Giuliano TAFFONI (INAF), who sent viewgraphs presenting WP5 work.

The agenda proposed by the Project Manager was approved by the PCT as follows:

- 1 - WP progress and plan for the end of cycle 2, including relevant activities from all partners.
- 2 - Discussion on the results of the Census of European data centres.
- 3 - Review observations and recommendations.
- 4 - Self-evaluation Matrix and Risk Register update.
- 5 - Any other business.

1 - Presentation of WP progress and plan for the end of cycle 2, including relevant activities from all partners

Mathias DEPRETZ (Project Manager) launched the meeting with an overview of the meeting objectives. Then each WP lead presented their activities during Cycle 1 and their updated program for Cycle 2. These presentations are not reproduced in full in these minutes since the information is permanently available on: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/PCT3>.

WP1 - Management

The PM presented the milestones reached since the beginning of Cycle 2. In particular, two workshops, the EuroVO-DCA Theory Workshop and the EuroVO-DCA Grid Workshop, were held back-to-back in Garching on April 7-9 and April 9-11, 2008. The two reports for these Workshops were delivered to the European Commission (EC) services on time, on 30 April 2008.

The postponement of these deliverables was agreed at the Board-PCT meeting in Trieste (4 & 5 October 2007), as explained in the minutes of the meeting:

WP4 and WP5 propose to postpone their Workshops initially scheduled for January 2008, to April 2008. The two main reasons are that, for WP5, EGEE3 will hopefully be launched at the beginning of year 2008, and that WP4 needs the results of the Census questionnaire to invite people. It is decided to hold the Workshops on 8-11 April 2008.

The next major milestone is the second EuroVO-DCA Workshop, which will be held at ESO (Garching bei München, Germany), on 23-27 June, 2008. At the end of the year, the Final PCT meeting and the Final Board meeting will be important milestones to prepare the project final phase and final reports to EC. It is decided to hold these meetings back-to-back during November 2008, in order to optimize the circulation of information and to save time and money (see also WP2). These meetings will assess the project work for all WPs, using the WPs' final reports:

- For WP3: Final report on WP3 activities (D8).
- For WP3-2: Implementation feedback report (D9).
- For WP4: TEG report "Framework for the inclusion of theory data and services in the VObs" (D11).
- For WP5: Final report on WP5 activities (D13).
- For WP6: Report on the inclusion of data centres from beyond the partners' countries in the VObs (D14).

The Board will then finalize the "Medium term strategic plan for EuroVO-DCA" (D4) and the Census of European data centres (D5), and prepare the delivery of the Final contractual reports (due for December 2008). WP leads are asked to submit the draft version (at least) of their final reports by the end of October 2008 (PCT3-WP1-A1.1).

The PM reminded the content of the periodic activity and management reports and the input needed from all partners. As the schedule for the end of the year is tight, the PM will send detailed e-mails to Board members and WP leads before the end of Cycle 2 with instructions on how to manage the production of all final reports in the most effective way (PCT3-WP1-A1.2). He will also provide a draft version of the final periodic reports.

A financial audit is also scheduled at the end of the project (PCT3-WP1-A1.3). It is strongly advised that the partners gather financial information in December so that CNRS gets Forms C and Audit Certificates by **15 January 2009**, so that the final report can be consolidated on time. Useful information is available at:
<http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/ReportingGuidelines>.

WP1 activities for the end of Cycle 2 will continue as agreed in the Revised Project Plan, since no major change is planned.

The concertation with other EC-funded projects is tackled by WP2 (see below). In particular a specific TWiki page has been created to gather information about activities linked to OGF 23: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/OGF23>.

WP2 - Definition of European EuroVO-DCA strategy

Concerning the project monitoring, one of WP2 objectives, the milestones since the beginning of the project have been reached. Françoise GENOVA reminds that it was decided not to produce the "Draft strategy document for medium term development of the EuroVO-DCA", whereas it was scheduled in the Self-evaluation matrix. The content of this document was discussed during the last Board-PCT meeting and the topic was presented in the Periodic activity report. Thanks to the launch of the EuroVO-AIDA project, many aspects have been clarified for the submission of the proposal and to ensure efficient transition between the two projects.

Excerpt from the minutes of the last BOARD-PCT meeting in Trieste (4&5 Oct. 2007):

Main keywords are transition to operations and sustainability, with several levels, national projects, the European level and IVOA. Also "important" data archives have to be identified since their inclusion in the VO framework is of fundamental importance for the VO success.

Françoise GENOVA indicates that the results from the EuroVO-DCA Census of European data centres will be taken into account in the Strategy document. Another document about the medium term strategy for the VO Technology Centre will be produced by Andrew LAWRENCE at the end of VO-TECH and will present a complementary facet of Euro-VO medium term strategy. As explained above, the definition of the transition to EuroVO-AIDA (which started on 1 February 2008) also helped to clarify this matter.

The Astronet ERA-NET is consolidating a global European strategy for Astronomy. A draft Infrastructure Roadmap document was issued before the meeting which will be held in Liverpool (16-19 June, 2008), to gather input and feedback. PCT members are invited to have a look at this draft document and to make comments, if any, since the Virtual Observatory and data centre aspects are tackled in one Section (PCT3-WP2-A1).

Formally part of WP1, the concertation with other European projects has been finally included in WP2, since the medium term strategic plan also has to address concertation with other disciplines, e.g. with planetary sciences and in particular the Europlanet Coordination Action. These concertation aspects are undertaken through participation to OGF meetings, eInfrastructure meetings and meetings of other projects, but also through invitation of other EC-funded projects to our Workshops. The participation in these meetings is shown on the EuroVO-DCA TWiki "schedule page": <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/DCASchedule>.

Partners are also asked to indicate their participation and contribution to the 23rd Open Grid Forum - OGF23 on the new dedicated EuroVO-DCA TWiki page: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/OGF23> (PCT3-WP1-A2.1).

Another page has been created to gather information on concertation with other EC-funded projects and other disciplines (Planetary, Solar ...): <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/DCAConcertationActivities>.

The coordination with the EuroVO-AIDA project has been assured through the invitation of EuroVO-DCA Board members to the EuroVO-AIDA Board kick-off meeting on 17 March, 2008 in Strasbourg. It is decided to hold the Final EuroVO-DCA Board/PCT meeting back to back with the EuroVO-AIDA Board/PCT meeting also scheduled for the end of the year. The EuroVO-DCA PM (who is also the EuroVO-AIDA PM) will propose dates for these meetings to the EuroVO-DCA and EuroVO-AIDA Boards and the EuroVO-DCA PCT and EuroVO-AIDA WPMT (PCT3-WP2-A2).

The EuroVO-DCA Census of European data centres will be discussed later that day. Françoise GENOVA indicated that the Census questionnaires are still available for the data centres. The number of replies is very satisfactory and the results have already been used to publicize the Theory, Grid and second EuroVO-DCA Workshops. The fact that a Canadian data centre, CADC, was interested in filling the Census questionnaire shows that the VO is a global endeavour. The Census shows that European Data Centres are working in a context of international collaboration.

Concerning the visibility in IVOA, it is underlined that WP3-2 and the partners should gather input from the data centres and provide it to the IVOA Working Groups. The work done by WP4 on theory aspects has been a success. The work will be continued by the EuroVO-AIDA project which has Networking and JRA funds to work on standards within IVOA

WP2-2 - Oversee the scientific aspects of the project (IST)

The IST provided contributions to the Theory and Grid Workshops. The IST also participated actively in the organization of the next major "EuroVO-DCA Workshop on how to publish data in the VO" organized by WP3 in June 2008, with the idea to motivate attendants to publish their data holdings in the VO.

The Project Scientist will provide input on the analysis of the Census of European data centres (PCT3-WP2-A3.1) to the "Census Team" (see Section 2). It will be useful for the use of the Census of European data centres during the EuroVO-AIDA project.

ASTRONET has requested a "low resolution" version of the Census. ALMA has not filled the Census forms (because they are under construction phase and do not have data available yet). It would be interesting to ask the project to fill a preliminary form.

The IST will hold its final meeting at the end of the year and will release an overview of science aspects, which will focus on science feedback from the Workshops and data centres. This meeting will be held before the Final Board/PCT meeting, in order to provide input (lessons learnt, good examples ...) for the "Medium term strategic plan for EuroVO-DCA".

WP3 - Support to take-up and implementation of the VO framework

Andreas WICENEC (ESO) presented the status of the "EURO-VO Workshop on how to publish data in the VO", to be held at ESO (Garching, Germany) on 23-27 June 2008. The first announcement was issued on 16 April 2008. In addition to the usual distribution channels, Workshop announcements were also sent to the Census respondents and to the list of target archives issued by the Euro-VO SAC. Registration is now closed and WP3 leads have defined the profile of the 74 registered participants (31 data centres, 12 surveys and 14 astronomers).

Significant improvements can be noticed, such as more participation of large projects (such as Europlanet), better repartition per country and large amount of participants who will bring their own data (34).

The Workshop program has been defined and is available at the following address: <http://www.euro-vo.org/dcaworkshop2008/program.html>.

The One-on-one sessions will allow individual help and improve discussions and exchanges. This will be helpful as a substitute to on-site visits. The demands of the data centres are linked to their degree of development and advancement in the VO (Discovery / Exploration more in depth / Networking). The participation of "standards experts" could be necessary as some data centres begin to be interested in more in depth discussion of individual standards. "Show cases" will be organised at the end of the Workshop, where participants will show access to their own tools / data.

Among the points raised during the discussion:

- Additional information should be gathered from all participants, about the project(s) in which they work (PCT3-WP3-A1). Participants who have not yet replied to the Census of European data centres should be asked to do so (PCT3-WP3-A2).
- At present, Workshops are aiming at explaining data centre developers how to publish their data in the VO, using in particular various publishing tools (e.g. the DAL Toolkit or SAADA). Some data centres may want to get more information on the standards themselves. The feedback questionnaire could include a question on this: "Are you interested in knowing the standards"? If there is enough interest, the best format to propagate knowledge about the standards will be discussed at the Euro-VO, IVOA and VO projects levels.
- The eventual specific needs of large data centres (how to deal with massive data) should be identified although strictly speaking they are not part of the VO layer.

Pedro OSUNA (ESA) indicated that the proceedings of the additional "Astronomical Spectroscopy and Virtual Observatory" Workshop will be available during June 2008.

It is also indicated that ESA will organize a workshop ("EuroVO-AIDA First Community feedback Workshop") in the frame of the EuroVO-AIDA project on 1-3 December, 2008.

For the on-site support to data centres, WP3 visited last year the Moletaj Observatory (Institute of Theoretical Physics and Astronomy of Vilnius University, Lithuania) and AstroGrid (UKIDSS) @ Edinburgh. Partners are asked to provide information on the visits to data centres to WP3 leads or to update the TWiki page (PCT3-WP3-A3): <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/WP3Visits>.

ESA VO project scientist, Matteo GUAINAZZI will leave the project on July 1st 2008, and the name of his successor should be known rapidly.

WP3-2 Technical feedback

Anita RICHARDS (LU) presented the technical feedback gathered from the "EuroVO-DCA Grid" and "EuroVO-DCA Theory" Workshops.

The overall feedback is very positive, as shown in the presentation which is available at: http://cds.u-strasbg.fr/twikiDCA/pub/EuroVODCA/PCT3/AMSR_PCTMay08.pdf.

Participants in these two Workshops were not the same as the participants in the previous Workshops.

In order to gather feedback between the Workshops, it is proposed to create a "suggestion box", to be filtered by WP3-2, where data centres will be able to express their needs and requirements. The Euro-VO already has a general suggestion box. The new suggestion box could be integrated into the helpdesk system.

Among the things to be considered:

- Some participants encounter difficulties in installing data bases (and not in installing the VO layer).
- There is a need to explain which tools are better suited with some data collections (simple or complex data).

A summary of the major points discussed at the IVOA Interoperability meeting in Trieste (19-23 May 2008) is also presented.

WP3-2 will gather feedback during the WP3 "Second EURO-VO Workshop on how to publish data in the VO" on 23-27 June 2008. The same questionnaire used during the "First EURO-VO Workshop on how to publish data in the VO" will be used, with an update about the topics and sessions. Anita RICHARDS will provide the updated information to the PM who will create and distribute to the WP3-2 leads the updated questionnaire (PCT3-WP3-A4).

Raul Gutierrez (INTA) also presented the feedback gathered during the Sofia (Bulgaria) and Belgrade (Serbia) Info Days. It is noticed that two days were not enough. The presentation is available at: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/PCT3>.

WP4 - Theory in VObs

Gerard LEMSON presented the information (number of participants, repartition per country, program, and invited speakers) about the WP4 "Theory in the Virtual Observatory" Workshop, initially scheduled for January 2008, which was held on to 7-9 April 2008 in Garching, Germany.

The slides are available on the WP4 Workshop TWiki page, at: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/WCAWP4Workshop>.

He also detailed the first conclusions gathered during the Workshop, which can be summarized as follows:

- Many participants also attended the WP5 "EuroVO Computational Grid Workshop".
- Several people from outside EU were invited to attend the Workshop, also as invited speakers.
- Small participation from UK (could the advertisement be improved?), whereas France, Germany and Italy were well represented.
- Some participants were interested in IVOA standards.
- A large interest arose from the participants for 3 + 1D ("macro") simulations.
- The METAFOR Project was unable to participate.
- The private TWiki was very useful to prepare the Workshop.
- Discussion sessions were organised after each half day and proved to be very useful.
- A supplementary workshop, financed by EuroVO-DCA, could be organized, as participants interested in micro simulations are willing to contribute to VO efforts and are interested in comparing models.

A deadline for the delivery of the proceedings of the Workshop has been set to 31 August 2008.

WP4 leads are also considering the interest to propose a feedback questionnaire to Workshop participants. This will be decided if considered useful for the production of the draft document "Framework for inclusion of theory data and services in the VObs". For the moment, the TEG is working actively on the outline of the document. The document has been delayed, in order to include the information gathered in the Theory Census questionnaire and to take into account discussions during the Theory Workshop and work of the project partners in WP4. It will be finalized during a face-to-face TEG meeting to be organised after the summer, and will be assessed at the common Board-PCT meeting. The production of the final version of the document is scheduled for mid-October.

The WP lead also presented the work undertaken for WP4 by the project's partners (see the presentation at: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/PCT3>).

WP5 - Coordination with computational grid projects

Françoise GENOVA presented the activities undertaken by WP5 leads since the beginning of cycle 2 (viewgraphs prepared by Giuliano TAFFONI who was unable to attend the meeting).

The "EuroVO Computational Grid Workshop", initially scheduled for January 2008, was held on 9-11 April 2008 in Garching, Germany. The program is available at:

http://www.si.inaf.it/eurovow2008/agenda.htm#Grid_and_the_Virtual_Observatory.

Many International and European organisations, and also national Grid projects were represented, such as EGEE-II, DEISA, D-Grid ... It is underlined that interest for such a Workshop is also for building up liaisons and connexions with other projects.

The interoperability of the existing grid infrastructures and the VO was discussed and the importance to improve collaboration, especially between national grid projects, was underlined. The VO itself is a data grid and it raises the question to make grid middleware communicate with it.

As the technicality needs to be transparent for the astronomers, the challenge is to be able to define common standards and to adapt existing standards to grid standards. This raises another question about the level of the Grid needed by the users, among which people dealing with huge amount of data and small scientific groups who lack of resources. The first outcome of the Workshop is a strong suggestion by WP5 lead: the organisation of a EuroVO-DCA grid technical Workshop in September to collect the different technical experiences between the partners, define the needs and prepare the transition with the EuroVO-AIDA project.

Other WP5 activities:

- The Census of the main national and local GRID initiatives is available on: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/WP5Grid>.
- EGEE-III Astro cluster activities have begun. LOFAR will be part of Astro cluster in EGEE III. The design for long-term archives will be operational for the end of year 2008.
- Coordination with EGEE is on track with the creation of the EuroVO-DCA Virtual Organization (dca.euro-vo.org) at ESAC.
- Work is ongoing for the delegation service (authorization for access) with VOMS: a prototype is available.
- WP5 started to work on data management with the VOspace 1.1 and LFC Grid file catalogue.
- Work on the different planned documents is ongoing, in particular for the SSO document.

OGF 23 will be organised in Barcelona, on June 2-6, 2008. Giuliano TAFFONI will participate in the OGF Astro-RG and Françoise GENOVA will present IVO during the Database Session.

Andrey BELIKOV presented NOVA's grid activities, especially the simulation of LOFAR data storage. Data will be available through AstroWise at the end of year 2008.

For the technical Workshop, it will be important in particular to gather information from CNRS, ESA and NOVA.

WP6 - Support to data centres from other European countries

Raul GUTIEREZ reminded the goals and work methodology (advertising, identification and support) of WP6. He highlighted the interest for regional VO information Workshop, as the one held in Sofia (Bulgaria) and the one which will be held in Lisbon (Portugal).

At present, a very successful cooperation is under way with the University of Lisbon (Portugal), the Bulgarian Academy of Sciences, the Ondrejov Observatory (Czech Republic), and the Konkoly Observatory (Hungary). These teams have begun to build a strategy to include their knowledge and data holdings in the VObs. WP6 presentation on: <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/PCT3> describes in more details the contact established with these data centres.

It is interesting to notice that:

- Portugal has identified a VO coordinator and several laboratories are interested in the VO activities. The data centre participated in the ESAC Grid Workshop on November 2007 and will participate in the "EURO-VO Workshop on how to publish data in the VO" on June 2008. A EuroVO-DCA Info-day will be organised in Lisbon on October 2008.
- A VObs Info-Workshop was held in Sofia on 24-25 January 2008 and was a clear success with the attendance of 40 participants from Bulgaria, Hungary, Serbia and Romania. A feedback questionnaire was proposed at the end of the Workshop. The Bulgarian Academy of science manages the "catalogue of Wide-Field Plate Archives" which they plan to publish in the VO.
- A technical visit to the Ondrejov Observatory (Czech Republic) will be organised in July 2008.

The number of interested (and interesting) partners is growing:

- 2 groups from Romania, who participated to the VObs Info-Workshop in Sofia, are interested to participate in the VO effort.
- The Belgrade Astronomy Observatory (Serbia) answered to the Census questionnaires for the BELDATA database and participated in the VObs Info-Workshop in Sofia.
- Contacts were developed with Lithuania during the VO School in Vilnius on October 2007, in which several EuroVO-DCA partners participated.

It is underlined that many non-European countries were represented during the "Theory in the Virtual Observatory Workshop" and the "EuroVO Computational Grid Workshop", such as Mexico, Russia, Armenia, China, Japan and USA. WP6 leads will use the Census of European data centres to develop relations with Associated Countries (**PCT3-WP6-A1**), as contacts have been done with the INTEGRAL Archive (Switzerland) and the Nikolaev Astronomical Observatory (Ukraine) through the Census of European data centres.

2 - Discussion on the results of the Census of European data centres

The Project Manager circulates a draft document presenting a summary of the results from the Census questionnaires. The document also includes the Theory data centres, targeted by two out of five questionnaires (Theory data centres and Theory services). The document can be considered as a preliminary version of deliverable D5 (Census of European data centres), to be delivered to the EC at the end of the project.

The Census results are discussed, taking in particular into account the comments of the project Scientist (Mark ALLEN), who took a look at the first version of the document before the Euro-VO SAC meeting in February. It is proposed that the project Manager will update the document, adding the following information:

- Indicate the country for data centres from non-partners countries.
- Science covered by the data centre.
- Goal of the data centre (Question 11 of questionnaire #1).
- Manpower at the disposal of the data centre: small/medium/large.

It is proposed to create a small team of people interested in working on the Census results, with the aims to analyse its content.

Topics to be addressed:

- Have a view of the different situations of the data centres.
- Define if some data centres of particular interest need a specific support.
- Give a snapshot of data centres in Europe (small data centres, big data centres, areas of work, science covered ...): what kind of coverage do we have?
- Provide a quality analysis: complementarities, services provided (Are they operational? Can we provide a list?) ... For this particular aspect, partners are asked to check if their national data centres provide an operational service (PCT3-WP2-A3.2).

The Census analysis team will provide the Board and the IST with a draft analysis of the Census of European data centres for 10 September 2008 (PCT3-WP2-A3.3). The Board and the IST will then check the document and provide comments (PCT3-WP2-A3.4).

People interested are: Mark ALLEN (Project Scientist), Mathias DEPRETZ (Project Manager), Françoise GENOVA (Project Coordinator and WP2 lead), Jens ZUTHER (WP4). It is decided that LU (AstroGrid) and ESA will also provide a participant (PCT3-WP2-A3.5).

The PM will provide the Census files to partners as soon as the Canadian data centre will have provided its questionnaires (end-June at the latest) (PCT3-WP2-A3.6). It is reminded that all the information gathered through the Census questionnaires will not be distributed and must be considered as confidential with circulation restricted inside the project.

3 - Review observations and recommendations

Recommendation 1:

Recommendation 1: The project should look at establishing useful metrics of scientific impact, such as the increase in numbers and scope of registered European VO services over the time span of the project. Greater attention should also be paid to the publication impact of the project.

The VO Registry can be used to track if data centres services are registered and when they had registered. It can be matched with contact points from the Census of European data centres. ESA will provide the list of items and investigate how the Registry can be used to follow the evolution of service registration in the registry (PCT3-WP2-A3.7).

It is noticed that it is difficult to have metrics. We can ask the 1st "EURO-VO Workshop on how to publish data in the VO" (June 2007) participants whether they put their services in the VO.

It is almost impossible to measure the effects of the EuroVO-DCA project concerning the publication impact because users are often not aware that they use the VO. Evanthia HATZIMINAOGLOU (ESO) will nevertheless continue to build the Euro-VO publication page.

Recommendation 2:

Recommendation 2: The panel felt that the intended efforts towards Virtual Observatory encapsulation of astrophysical theoretical modelling were admirable, but recognised the strong technical challenges involved in e.g. creating appropriate data models. The panel suggested that useful contacts may be formed with other groups performing similar research on grid-publication of ensembles of theoretical models, such as the climatology group METAFOR.

The METAFOR project has been contacted but was unable to participate in the WP4 Workshop in April 2008. Françoise GENOVA will contact them again and also other FP7 projects (check what was presented in the concertation meeting in Sophia Antipolis and the new projects in Barcelona) (PCT3-WP2-A4).

Recommendation 3:

Recommendation 3: The panel felt that attendance at the first Data Centre workshop was “broad but shallow”, with good national representation, but relatively small numbers of attendees from outside France and Spain. The Consortium should take steps to address this for future events.

The distribution of participation was better equilibrated for the last workshops (Grid and Theory) and will be better for the next Workshop in June. There is a wide coverage but it is clear that there is some local effect.

The national project organisation and goals and the national characteristics have an impact on participation to this kind of Workshops. Some communities seem to rely on national Workshops. The feedback from the EuroVO-DCA Workshops will be used for the next EuroVO-AIDA Workshops (PCT3-WP3-A5).

Recommendation 4:

Recommendation 4: The panel recommended the development of the EuroVO website into a central repository for agreed solutions, tools and procedures to publish data. Clearer support should be given online on how to create a service from a given tool or program (e.g., a list of HOWTO documents).

This is already the case: all information and tutorials are available on the Euro-VO pages and in the EuroVO-DCA TWiki. The presentations of the Euro-VO web site is under discussion and the "Tutorials / How to publish data" page may be better indicated in an extra menu.

4 - Self-evaluation Matrix and risk register

The EuroVO-DCA Self-evaluation Matrix and the Risk Register have been reviewed by the PCT members and the updated versions are available as Annex 2 and Annex 3 respectively. Comments on the current situation have been added to the Risk Register.

People are asked to update the list of conferences on the project schedule TWiki page (<http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/DCASchedule>) or to send the information to the Project Manager ([PCT3-WP1-A2.2](#)).

The list of cross-knowledge visits also needs to be updated by all concerned WP (including WP4, 5, 6): <http://cds.u-strasbg.fr/twikiDCA/bin/view/EuroVODCA/WP3Visits> ([PCT3-WP1-A2.3](#)).

5 - AOB

None