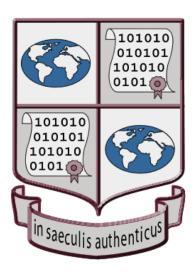
InterPARES 2 Project

International Research on Permanent Authentic Records in Electronic Systems



Focus 1 Report

Vancouver, B.C. September 30, 2004

Overview

- Objectives
- Research Projects
- Dissemination Activities
- Preliminary Findings

Objective

 ...the primary role of Focus Task Forces is to gather and analyze case studies and other data of relevance to each type of activity across multiple domains of inquiry
 (Milestones Report, item 1.5, page 2)

Focus 1 Case Studies (1)

- CS01 Arbo Cyber, théâtre (?)
- CS02 Performance Artist Stelarc
- CS03 Horizon Zero/Zéro Horizon
- CS09 Digital Moving Images
 - Computer-based Animation Studio
 - Altair 4 Multimedia
 - National Film Board of Canada
 - WGBH Boston

Focus 1 Case Studies (2)

- CS10 The Danube Exodus
- CS13 Obsessed Again
- CS15 Waking Dream
- CS16 Unstable and variable techniques
- CS22 Electronic Café International

General Studies

- MUSTICA
- Composers' Survey
- Photographers' Survey

 Bibliography
 Accuracy, Reliability and Authenticity

Dissemination Activities

- Association of Moving Image Archivists (2002 and 2003)
- Wedelmusic (2003)
- Association of Canadian Archivists (2004)
- American Institute for Conservation of Artistic and Historic Works (2004)
- Society of American Archivists (2004)

Preliminary Findings (1)

Individual artist vs. corporate entity

Digital vs. traditional records

The work vs. the performance

Preliminary Findings (2)

- Re-use
- Authenticity
- Intent
- Metadata

Slide 1 - Title

Slide 2 - Overview

Good morning.

My presentation this morning will include a brief review of the objectives of the Focus 1 Task Force, and the research projects and dissemination events it has undertaken in the first half of the project. I will conclude with some preliminary findings suggested by the research to date.

Slide 3 - Objective

As the Milestone Report so succinctly put it:

of activity across multiple domains of inquiry. the primary role of Focus Task Forces is to gather and analyze case studies and other data of relevance to each type

You may have noticed, in reviewing the original research proposal, that the Focus Task Forces were the only groups with no research questions of their own. We quickly set to work to remedy this, eventually coming up with 49 questions which Luciana has already described.

elicit all the information required by the 3 Domain and the 4 Cross-Domain groups. This was, in part, suggested by greatly facilitated subsequent comparative analysis. the experience of InterPARES 1, which used a standardized set of questions in their case studies, a method which into case studies. An early, cross-Focus decision was made to create a core case-study questionnaire designed to As anticipated in the original research proposal, the Focus Task Forces have directed a good deal of their energy

choreographers, biologists or geomatics experts, bureaucrats or information technology personnel known vocabulary and practices of the many specialized groups we would be investigating, be they composers or be adapted for use in artistic, scientific or government environments and even more specifically, could reflect the But the wider scope of inquiry of InterPARES 2 was also recognized, in that the case study questionnaire could

already been raised in InterPARES 1, particularly through the participation of John Roeder, the Associate Director has also benefitted from a large and stable membership. helped the many new Focus 1 researchers to situate their work within InterPARES 2's research parameters. Focus 1 of the Music School at the University of British Columbia who will be addressing you later today, and Brent Lee, Activities. Focus I profited considerably from the fact that issues related to music using digital technologies had InterPARES 1, its findings, and the relationship of those findings to the digital concerns of musicians and composers IP2's first post-doctoral fellow who now teaches at the University of Windsor. Their extensive knowledge of In the case of Focus 1, this scope of inquiry is of course limited to records generated in the course of Artistic

Slide 4 - List of Case Studies

Images could more properly count as four case studies in their own right, making the total 12. From the very first meeting, members of Focus 1 began forming groups and drafting case study proposals. At this mid-point in the project, Focus 1 has had 9 case studies approved, though Case Study #9 on Digital Moving

case with so many things in the early 21st century, boundaries are blurring. But there is performance art, theatre, dance, moving images, installation art, music, and on-line publication. In several cases, we will study different manifestations or perspectives on the same discipline. It is difficult to be absolutely precise about which artistic disciplines these case studies cover because, as is the

government broadcaster - all 3 operating in a North American setting. The fourth partner in this case study is smaller, independent European production company focused primarily on computer-based products corporate, for-profit environment; in a non-profit government production house; and in a non-profit, non-The case study on digital moving images, which I have already mentioned, covers computer-based animation in a

the focus of Obsessed Again and a significant aspect of Waking Dream. The Electronic Café began experimenting Performance Art is the focus of Arbo Cyber théâtre and Stelarc, though on closer examination both will also provide information on web sites, which will link with case studies in Focus 3 (e-government). [Slide 5] Danube with interactive art in the 1970's, originally using analog video formats. Exodus, and Unstable and Variable Artistic Techniques deal with installation art with digital components. Music is

core questionnaire was ready, causing a delay. And the questionnaire, unfortunately, was required for Ethics Clearance in various Canadian or American universities, generally generating a second source of delay. One disadvantage of this early enthusiasm in Focus 1 was that most of the case studies were approved before the

Slide 6 - General Studies

subsequent utility in providing long-term access. Finally, the project harks back to InterPARES 1 in its interest in the construction of a typology of digital music files. There aer 2 posters across the room describing this project. creation and performance processes, and confirm which ones are necessary for long-term preservation and access. It the project will attempt to identify the various generations of digital components generated during the artistic will also be able to tap into and analyze significant long-term experience at IRCAM with metadata, its creation and coordination Acoustique/Musique (IRCAM). The development of this collaboration was primarily driven by Jill major French research institutes - the Institut national de l'Audiovisuel (INA) and the Institut de recherche et project with external partners. MUSTICA presented an opportunity to become part of a research initiative with two approved. The first of these - MUSTICA - stands as a lone example within Focus 1 of a collaborative research Teasley, a Graduate Research Assistant and her interest in electro-acoustic music. As with other Focus 1 projects, Focus 1 has not, however limited itself to case studies. Three General Studies have also been designed and

instrument would ask fewer questions about recordmaking and recordkeeping practices, but elicit responses from a much larger group of composers using digital technology. This would place individual case study results in a much was developed by Professor Michael Longton, Director of the School of Music at University of Victoria. Rather than the in-depth study of a small number of examples entailed by a case study approach, this more general survey Focus 1's second General Study involved a research methodology which would complement the case studies. It

The results of this first general survey were reported at our last research workshop, in February 2004 Graduate Research Assistants at UBC. Potential respondents were invited by e-mail to complete the questionnaire A web-based survey instrument was developed with the assistance of Vincent Schillaci-Ventura, one of the

recordkeeping advice, recommended metadata sets and possible preservation strategies. plagiarism, intellectual property, protection of copyright. It also suggests that it will be composers as individuals, rather than institutions, that InterPARES will eventually have to reach out to with its analysis of the situation and its preservation strategies. The fact that most composers work alone has so far limited their degree of concern about commercial, off-the-shelf products, a number that offers reassurance by limiting the scope of the needed respondents have already lost valuable files through hardware or software obsolescence. 76% of respondents use web-based environments. already be termed a "traditional" digital era, with a small minority already moving forward into interactive and response rate near 33% of the 500 composers contacted, the results show a profession well-established in what can strategies for maintaining records, and the forms that their interactive and dynamic records might take. With a The Composers' Survey gathered information about the use of digital technology, composers' intentions and The scope of the preservation problem is illustrated in the statistic that 47% of

experiences of museum curators who are participating in the Variable Media Initiative, another external research not exist. Clearly, for this group, preservation will mean different things to different people. ranging from the score to the performance, with a significant segment in this survey insisting that the "work" does represent their artistic intent. have found a wide divergence among artists in their choices of what, if anything, needs to be preserved to correctly project with which Focus 1 has established contact. When dealing with installation art with digital components, they The concept of what actually constitutes the "work" or the "oeuvre" continues to vary widely in this community This mirrors the

These survey findings reflect to a large extent the findings of a number of other Focus 1 case studies, with one exception - there is no mention of hardware dependency problems, though these have been a significant aspect of the study of digital composition and performance in "Obsessed Again", in the performance piece "Waking Dream" functionality to the software. for a preservation strategy in this field is to attempt to end this hardware dependency problem by moving the digital technology, which were first described at an InterPARES 1 symposium in 2001. where it was affecting a visual component of the work, and in Brent Lee's personal experiences as a composer using This will not solve the problem, but it will reduce the scope of the problem to the One of the first suggestions

Monday [September 27], 272 photographers had completed the survey. current state of digital technology use in the arts. In the short term, the success of the Composers' prompted the development of a second general survey, targeting digital photographers, which has been available onindividual strengths, and that their parallel use in Focus 1 will eventually produce a more accurate picture of the line since September 13. This was developed by Marta Braun and a researcha ssistant, Jessica Bushey. As of this I think our experiences to date suggest that both the case study approach and the general survey approach offer Survey has

Slide 7 - Bibliographies

headings such as authenticity, recordkeeping, preservation and others When IP2 started, there already existed a number of lists of bibliographical citations, grouped under a number of

Focus 1 chose to concentrate on the one dealing with Accuracy, Reliability and Authenticity, driven in part by my previous role as a member of the Authenticity Task Force in InterPARES 1, and by John Roeder's dual membership in Focus 1 and in Domain 2, the working group addressing this issue.

sub-sorted by discipline, the articles assigned and copies of them tracked down, sometimes with great difficulty because of keywords in the titles. Before any reading could even start, the lists had to be sorted by Focus area, and bibliographical research if the early lists had not existed. These lists contained hundreds of titles each, selected mentioning the bibliographies is a procedural one. I think the group would have been more successful in its John will speak later this morning, so I will not attempt any summary of what he will say. My point in

started to yield results when Focus I researchers were asked to survey the literature in their own areas of expertise and summarize relevant articles In the end, John and I agree that the initial lists provided little of interest. The bibliographic review process only

Slide 8 - Dissemination Activities

conferences of the Association of Moving Image Archivists. Jill Teasley presented the MUSTICA project at the and Vincent Schillaci-Ventura prepared material for a poster session at the Society of American Archivists Media Group of the American Institute for the Conservation of Artistic and Historic Works. Finally, Jill Teasley increased during 2004. I discussed case study findings as part of an InterPARES 2 panel at the Association of Wedelmusic event in 2003. With the completion of a number of Focus 1 projects, conference presentations beginning of the project. Sessions designed to introduce the research were offered at both the 2002 and 2003 annual Canadian Archivists annual meeting, while Luciana, Howard Besser and Sally Hubbard addressed the Emerging As far as Focus 1 dissemination activities are concerned, there have been a number of presentations since the

Slide 9- Preliminary Findings (1)

of confidence, overall similarities and differences, trends and practices, problems and potential solutions applicable February 2005 research workshop, when we will clearly have enough work completed to identify, with some degree Studio, WGBH Boston and Danube Exodus. They will not be subjected to in-depth analysis by the group until the Cyber théâtre, Horizon Zero and Altair 4, with interim reports being submitted by the Computer-based Animation Obsessed Again, and Waking Dream. Three more case studies have produced final reports for this workshop - Arbo For Focus 1, the first completed case studies were presented at the February 2004 workshop. These were Stelarc

But even six months ago, based on the first 3 completed studies and a number of interim reports, some preliminary findings were already suggesting themselves. These will be re-visited as the analysis is expanded in

of artists and the business/entertainment environment. For the most part, the early adopters of any specific digital not to write down their procedures because they are very small operations. new forms of expression. They do not use an archivist, they don't maintain recordkeeping systems, and they tend technology are not part of a mainstream industry; they are individuals working on the cutting edge and exploring We are seeing large differences - in attitude, in procedures and in concerns - between individuals, or small groups

In the corporate environment, such as the Computer-Based Animation company, there are significant financial interests to protect. They adopt digital technology once it is reasonably well-established and a favourable cost-benefit analysis can be done. The digital technology continues to co-exist with traditional records management practices which were already in place, such as printing to paper, or generating analog audio or video recordings.

digital objects, meaning some digital solutions do have to be found. However, these traditional record forms are incapable of capturing truly interactive or experiential aspects of Conversion to more stable analog forms is

conflicting information about the need to preserve the "means of production" vs. the record of performance. The preservation of earlier versions. first approach allows artists to re-use the work, and potentially to continually change the work, with or without the I have already mentioned the continuing debate between the "work" and the performance. We are uncovering

accepted by the legal system. major area of divergence from the corporate environment. The completed case studies suggest that, where there are large corporate interests at stake, copyright is protected using traditional methods which have been tested and The lack of concern about intellectual property rights among individual artists studied to date is obviously a

back-up copies created on the write-once CD-R format and stored in various geographic locations (home, school of their intellectual property rights. A standard technical configuration sees files stored on a personal laptop, with For individual artists, a number of current practices are, unwittingly perhaps, offering some measure of protection

but create potential proof of ownership problems. number of different personal computers. Redundant storage practices can improve the chance of long-term survival, The digital formats also seem to be encouraging collaborations, leading to the same files being stored on a

Slide 10 - Preliminary Findings (2)

"intent" rather than with the specific way in which they chose to manifest it as any particular point in time. This suggests the need for additional metadata to more fully capture this "intent" - their definition of what is important to getting a fairly consistent set of responses to our questions. First, they consider that the artist is the arbiter of authenticity of their work during their life time. Second, the artist is more concerned with the preservation of their in particular, in the second half of this project. preserve in each work - a finding which suggests a growing link between Focus 1 and the Description Cross-Domain Both the survey and the case studies are showing little interest on the part of artists, in "authenticity" yet we are

Thank you.