iri

Institut for research and innovation

REPORT OF ACTIVITIES 2011
/ PROJECT 2012

CCCB

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Interfaculty Initiative in Information Studies
THE UNIVERSITY OF TOKYO

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General Introduction

For two years in France, the academic paradigm known as *digital humanities,* imported from Anglo-Saxon countries, has expanded in France.

All work of iri, conducted since its inception and more in 2011 and 2012, is in this field, balancing theoretical approaches, mock-ups and prototypes, and experiments with audiences. That's why we decided to make participation in the emergence of this new paradigm and promoting our views on him - by the formation of concepts as well as by the production of instruments and prescription or testing of methods - the heart of our strategy for the coming years.

If we have indeed actively helped to establish in the public debate and individual practices and institutional issues out of consumerism in the cultural field and in particular the rebirth of the figure of the amateur, also known as a contributor, that is, its instrumentation and its inclusion in the industrial and cultural policies, especially while setting the rule that what was happening in the field of cultural technology was generic for the entire industrial field (and that was why we decided to create the "N*ew industrial world* forum" well beyond the single cultural sphere which we had), we believe that we must now support the construction of a further organology knowledge in the digital age - while defending the view "pharmacological" of ours since the beginning of iri (as *ecology of the* attention) and embodied today in the general public a figure as Nicholas Carr.

All this means that in the next years, obviously without going back on our investments in new figure from amateur to time *geeks,* social networks, encyclopedias contributory and video accessible to everyone, we will more strongly assert our view and theoretical perspectives, methodological practices and cognitive technologies in the field that we call not only the *digital* humanities, but the *digital* studies.

In fact, it is not just the humanities (ie what in France is called the science of man and society) which are concerned by scanning instruments as well as objects of knowledge. Any scientific activity (mathematics, physics, biology, demography, geography, economics, history, language and humanities as well qu'anthropologie in the classical sense) is literally overwhelmed by this new age of collective memory. Therefore, in addition to many other causes that system with this state of affairs, education institutions find themselves deeply destabilized.

This building is the readability of his choices and actions around these issues, and taking them on a clean speech, original and legitimized by its initiatives in technology development and service creation, that iri intends to fit into the wider cultural, academic, industrial and social emerging right now.

Therefore we will do during the year 2012 a special effort to build new partnerships with universities including the most involved in these issues, and more specifically situated in us ourselves in the new map that we will contribute to and draw in the cultural field, that is to say: articulating closely the field of *digital humanities* as it unfolds in this field with the larger issue of organology knowledge in all forms at the time digital networks.

We hired this evolution from last spring by organizing a day of work on this theme at INHA in collaboration with the High Council for arts education, and through him, with the Ministry of Culture and the Ministry of Education.

In addition, iri, CCCB and Microsoft organized a symposium on *digital studies* in November 2011 in Barcelona in collaboration with the Mozilla Foundation.

In the month of April will be held in Lyon W3C World Conference, at which Bernard Stiegler will

present the views of iri these issues in a plenary lecture, and in the context of this global event.

Also in April, it will open a Berkeley symposium on the theme of *digital*studies, then give two lectures at Stanford, where he will present the work of iri, and to move to California and strong consistent relationships between iri and the University of California - with the clear support from the Embassy of France.

Finally, the coming *of the new industrial world forum* will be held in December 2012 on the same subject, probably in conjunction not only with the Todai University, and members of iri, but also with the universities of Berkeley, Cambridge, Montreal, Compiegne, Bordeaux and Nantes. Discussions are also ongoing with the universities of Toronto, Waterloo and Bochum.

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I – Summary of activities 2011
and put into perspective the project Digital Studies

In academia as in the world of culture, in recent years, a new research field has developed as the *digital* humanities. The work being carried out to fully and report directly iri this field. But their nature and design who presides over the field of *digital* humanities.

What this denotes is somehow to what used in the humanities and philology, was called the auxiliary sciences - epigraphy, archives, library, documentique, etc.. - At the time of digital technologies. Yet the stakes thereof, for general science, epistemology and their conditions for scientific research as artistic creation, or invention and social innovation, are much more.

All First, the *digital humanities* can practice new forms of research - which are part of a *research contribution* to research involving actors who are not themselves researchers. Thus are revived questions posed by Kurt Lewin under the action research.

On the other hand, it is not simply questions of method and work tools such as digital would upset them: is at stake what one might be tempted to grasp as a *"breakanthropological"* induced scanning - provided to admit that human evolution is a process consisting of a constant possibility of breaches of various kinds, this capacity break that is specific to this form of life known as the man named as freedom.

We can talk about breaking anthropological in the sense that scanning significantly alters what Simondon called the process of psychic and collective individuation, and Leroi-Gourhan analyzed as a process of externalization. This is why *digital humanities* should be understood as a branch of what we propose to call the *digital*studies: the *digital humanities* are indeed neither practicable nor théorisables without first conceptualized organology knowledge that unfolds with the digital - and for all forms of knowledge: knowledge, life skills, theoretical knowledge.

Among the academic knowledge, and in particular, among these, the theoretical knowledge, organology digital profoundly affects both humanities that contemporary physics and experimental sciences in general. For example, nano-physics, quantum mechanics as applied, can not be constituted only through the *organon* digitalwhat the scanning tunneling microscope. It's the same in genomics and biotechnology, which involve the organs of digital processing of information what happens to the nucleotides that form the living.

Could develop similar observations in all areas. That we initiated in 2011, especially during the workshop on November 9 at the CCCB in Barcelona since October but with the new Museology Seminar on Convergence 2.0 Semantic Web and Social Web, and will be continued in 2012 in the actions presented in this document on the topic of *digital*studies, attempts to describe all this and to understand theand *digital humanities* a more global perspective.

We are expanding the theme of *digital humanities* the *digital*studies such as conductingwith Alexandre Monnin and W3C work on the philosophy of the Web, as well as developing collaborations converging with the Centre Pompidou, France Television, Microsoft, Alcatel, ENSCI and Telecom Institute on new instruments of research and teaching made possible by higher organology digital, and the consequences that this could and should have on secondary and primary education. We do not distinguish also cultural issues of educational issues - and we believe that we must fundamentally rethink the relationship between cultural policy, education policy, industrial policy and media policy.

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The issue of *Digital* Studies, such that we pose was treated with different challenges and

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opportunities in key research projects that we initiated with our partners, members of iri, related research projects ANR or FUI in progress:

The issue of metadata,

the heart of the new features of knowledge processing that query the epistemology of different disciplines, specifically addressed this issue years with the History Project for the Arts Ministry of Culture, where he was a mutually beneficial indexing records resources deposited by 350 cultural institutions *(topdown)* and the dynamic contribution from Wikipedia *(bottomup),* but also throughout the seminars and Web Philosophy 2.0 Museology Seminar on Semantic Web and Social Web, three projects conducted this year by Alexandre Monnin.

The challenge of collaborative andtrust,

in a context where not only researchers but also all economic actors of the contribution are called to transform their practices as has been discussed during the interviews in the new industrial world devoted this year to the Trust and as can be read in the book that we published this year on social networks. It is also the central issue of THD and CineCast FUI projects on which the Institute Telecom has light wear with us in determining the anthropological context of cinema as well as sociologists and LISST Minatech on the review question creativity in the ANR TicTac. This question is central to this project led to iri by Harry Halpin and Hui Yuk including the issue of collective intelligence and the design of new social networks natively collective, that stand out from the dynamics induced by the individualistic model Facebook. On this axis, the work started on *polemic*tweet, could resonate with laboratory activity FuseLab Microsoft.

The challenge of new forms of dissemination of knowledge,

since the *digital studies* organological induce a mutation, not only in the tools and methods - on this point we will present the ANR project Periplus, iri coordinated by Nicolas Sauret, and collaboration Alcatel-Bell Labs in the social book - but especially at the organizational level, particularly when These can play a new editorial role in a dynamic contribution with researchers, teachers, lovers. This question arises in the press sector through our collaboration with MediaPart in Periplus but also for television in the ANR project Eulalie, in collaboration with France Televisions and in general was at the heart of discussions during our seminar Digital Studies in Barcelona in November and our seminar "New forms of editorial content." iri the leads also in this direction with the teams of France Televisions and outside the project Periplus several experiments on the modes of their contributions and editorial content.

Issues sensory-motor and HMI for visualization of data,

because these interfaces the mirrors are near real time from our knowledge and our track and bypass too often motor intelligence of our body. This is the whole purpose of our collaboration with the laboratory INRIA Aviz (thesis Samuel Huron to iri), our experiments on the Kinect with the help of Microsoft, Ensci, from Strate College and the ESILV through workshops *Design Metadata* presented toFutur en Seine and our project Enactive TV.

II – Engineering and web philosophy and metadata

iri has historically been active in this field of research conducted in close collaboration with all stakeholders Major scientific frequently an area designated today as the "semantic web". But we differ from traditional approaches to the Semantic Web in particular claiming fields of Digital Studies the importance of component organological as it modifies the epistemological foundations of disciplines and as it is based on a combination of metadata management top-down approaches (taxonomies, ontologies) and bottom-up approaches (folksonomies, tagging including today in the context of contributory Twitter network). Iri participated and organized

several major events on this research field in 2011 and was able to welcome three new researchers on the issue of hypertext representations and collective intelligence, with funding from the European Marie Curie Harry Halpin (W3C / University of Edinburgh), and with funding from NRC (Naval Research Center) for Yuk Hui (Goldsmiths College) and Julia Anaya, a research engineer. In 2011, research has articulated theoretical (webinars data, and Museology PhiloWeb 2.0) and concrete experience through the project semantization History records the portal for the Arts Ministry of Culture.

1 – Meetings of the Web Data

After a first edition in 2010, around Christian Faure (Cap Gemini, Ars Industrialis) to examine the contribution of Semantic Web technologies in terms of so-called "relational" in contrast to management technologies, the initiative Gautier Poupeau (Antidot) and Alexandre Monnin, personals Web data continued thereafter on a fortnightly rhythm. They meet today, according to subject, from fifty to one hundred people in each edition and the group of "Close Encounters of the web of data ', on the site Meetup.com, now has over 400 students attended professional Web data in France, heritage, librarians, researchers, students, institutional, etc..

In 2011, five meetings that were held, including three at the initiative of Alexander Monnin and two at the initiative of Gautier Poupeau:

- an initial meeting to discuss foundations of the social web around Henry Story (ex-Sun Microsystems, today in several W3C working groups);

- the next saw Alexander Bertails present work aimed, always within the W3C, to encourage publication of data contained in traditional relational databases, Web, in open formats,

- the third meeting of the year consisted of a round table of Aldo Gangemi and Valentina Presutti, two world-renowned Italian researchers, specialists and Web Ontology semantics. They will intervene again in June 2012 as part of Philoweb Seminar, organized by Alexandre Monnin, Harry Halpin in collaboration with the University of Paris I Panthéon Sorbonne, and

- the fourth meeting brought together three guests to present current projects involving web data and Heritage . Before more than one hundred people, Emmanuelle Bermes, Romain and Claire Wentz Sybille sites have detailed the Pompidou Center Virtual, data.bnf.fr and thesaurus of the Archives of France and challenges for the development of a Heritage

Open Data cultural in France, carried by the web of data, and

- finally, critical thinking and a historical perspective on the Semantic Web, led by Jean Rohmer, a specialist in Artificial Intelligence and Director of Information Engineering of ESILV , came close this cycle in 2011.

2 –Conference PhiloWeb

Iri participated, at the initiative of Alexander Monnin, in organizing the first international symposium, PhiloWeb 2010, on the philosophical stakes of the Web, an event brought together by the University of Paris 1 and INRIA, in collaboration with the W3C.

The Web as we know it is at the crossroads of many disciplines and schools of thought. Philosophy, as evidenced by the numerous references the Web and the Semantic Web to formal semantics, ontologies, the question of identity or meaning, or the logical proper names, has played a major role in these advances and this, even though too few philosophers are now aware. The aim of the symposium was to highlight this dynamic in order to promote in the future, cooperation between philosophers, computer scientists and engineers, ultimately, help shape a new discipline with its own research program.

In parallel, Alexandre Monnin has created an official account on Dailymotion on which it broadcasts interviews with participants in research on the philosophy of the Web (Tim Berners-Lee, Bernard Stiegler, Eddie Soulier, Manuel Zacklad, Bruno Bachimont, Fabien Gandon , Nicolas Delaforge, Freddy Limpens, but also to come, Pierre Levy, Yorick Wilks, Francis Rastier, Andy Clark, Henry Thompson).

PhiloWeb The First International Symposium 2010, as A. Monnin held October 16, 2010 at the Sorbonne found a result in 2011 in Thessaloniki. Next year, in 2012, the conference will be held PhiloWeb as part of WWW2012 (the world's largest conference devoted to the Web), held in Lyon. PhiloWeb 2012 will be organized around visiting researchers of international stature (Scott Lash, Stevan Harnad, Rastier Francis, Christopher Menzel) and will conclude with a panel about Tim Berners-Lee (creator of the Web) to discuss the philosophy of Web architecture.

3 – Séminaire Muséologie 2.0
« Web sémantique/Web social » ; Edition 2011 – 2012

Museum: main locus of articulation of the Semantic Web and Social Web?
  "Linking social web and semantic web in museums"

At the Open Data, and while many projects are mounted in culture using these technologies, the Semantic Web is at the heart of many words. The opportunity to examine the trajectory of this term and it covers the project, given the fundamentals of Web. Sometimes thorny legal issues that have received wide publicity in the recent e-G8, should

not obscure the momentum on the issues of indexing and contribution not only in techniques, practices and customs, but also the institutional point of view. Beyond the Open Data, in France, remember, is not intended simply administrative but also open to culture, the contributions of the Web, whether social or semantic seem now accepted and recognized as an opportunity for a growing number of actors in the field of culture and museums. Undeniably, data and metadata, especially on the web where they circulate in abundance, now account for the reflections of all those who cure the impact of new digital devices to address the public.

If the stakes are now better identified, however no one can claim sufficient expertise in fields as diverse as the social Web, the Semantic Web, museology and museum, the Open Data, Standards, collaborative devices emerging economy of the contribution, the new industrial models of the cultural sector, etc.. So we did it seem essential to involve various interested institutions (Centre Pompidou, Wikimedia France, W3C) to these issues in order to address the issue of the future of museums - which passes itself by a reflection on the future of Web.

Programme :

October 18, 2011: The challenge of structured data and metadata for the convergence of the Semantic Web and Social Web

Vision outcome of Clay Shirky's work tended to contrast two logics closed: top-down and bottom-up ontologies (actually some classifications library) and folksonomies. Such a view however, rests on questionable premises. We will see that the social Web and the Semantic Web were not at all to think in strict opposition. Far from being irreconcilable, this sheds light on their current convergence.

- Jean-François Chaintreau – MCC
- Bernard Stiegler – iri
- Alexandre Monnin – iri/Paris1/CNAM
- Adrienne Alix – Wikimedia France
- Fabien Gandon, Datalift – INRIA/Edelweiss

November 29, 2011: Economy of Desire, the contribution of economics

dynamics and anthropological processes psychic and collective individuation. Digital spaces and institutions built on practice amateur.

- Bernard Stiegler – iri
- Jean-Louis Jam – Blaise Pascal University (Clermont-Ferrand II)
- Michaël Vicente – UTC

Hotprojector:
- Goetz Bachman, the example of Nico Nico Douga - Goldsmiths University of London
- Jean-Yves de Lépinay, Mashup Festival – Forum des images

January 17, 2012: Structured Data for the Semantic Web and museums. Some thoughts from the perspective of Digital Humanities and Philosophy of the Web.

Structuring data, its vocabulary, its level of grammatization hands of one or several new disciplines. This session intends to seek the view of "digital humanities" and the philosophy of the Web to articulate visions of a first approximation Anglo-Saxon, technical, anxious to capture the specificities of new media such as Web-centric models and tradition Document (hermeneutics, diplomatic, archival, etc.)..

- Alexandre Monnin - iri/Paris1/CNAM
- Yuk Hui - University of London, Goldsmiths
- Catherine Beaugrand - ENSBA Lyon
- Aurelien Bénel, Semantic Web technology adapted to the world culture? – UTT
- Emmanuel Castle, signed the Charter for Digital Humanities, Ecole des Chartes

February 14, 2012: How the dynamic contribution can it converge with the indexing and scanning set up by the Museums?

What authority? What respect to time and especially for research? Intermediate communities? What strategies and for what audience? How to set up the tools of

convergence? Question of authority in internal or external: the mediators, the Conservatives? The question objectivity / subjectivity.

- Maxime Crepel - Sciences Po
- Patrick Peccatte, Flickr Commons – SoftExperience
- Roman Wenz, data.bnf.fr and the notion of authority and identifier in the ecosystem of the Web - BNF

Coups de projecteur :
- Pascal Krajewski - Trutat Fund, Library of Toulouse
- Jean-Frederic Berthelot – Wikimedia
- Francois Renaud Quere and Sagot - Collaborative platform of the Cité de l'immigration

March 13, 2012: Social Engineering and semantics: how museums can articulate their collections Contributing to the sites.

Case studies where the central issue is how from the community dynamic and social Web technologies (W3C) to initiate projects in museums.

- Orri Erling, DBpedia - OpenLink Software
- Presentation Semanticpedia (DBpedia.fr) - Julien Cojan (INRIA), Alexandre Monnin (INRIA), Bertrand Sajus (MCC), Thibault Grouas (MCC), Adrienne Alix (Wikimedia France).
- Sajus Bertrand, History of Art Portal, projects HDA-RB / HDA-Lab – MCC
- Emmanuelle Bermes, the Virtual Centre Pompidou - Centre Georges Pompidou
- Harry Halpin, New standards for the social Web - W3C/iri
- Laurent Gaveau, Back on the home of a Wikimedian at Versailles

Coup de projecteur :
- Mathias Schindler, Wikimedia et les Archives Fédérales Allemandes – Wikimedia

April 10, 2012: The Web becomes audiovisual

issues and initiatives in the indexing and fine contribution of audiovisual content. The connected TV as a gateway between the mailing program and contribution in an amateur or educational context.

- Raphaël Troncy – Eurecom
- Yves Raimond – BBC
- Eric Scherer – France Televisions

Spotlight :
- Vincent Puig, Samuel Huron, Alexandre Monnin, iri : From Polemic to tweet NiceTag

June 19, 2012: What horizons for tomorrow? Free?

Metadata is the basis for the design of interfaces for indexing, search, navigation and representation. How can they go to edit a collection strategy?

- Jean-Daniel Fekete – INRIA/Aviz
- Yves Armel Martin – Erasme
- Carlo d'Asara Biondo – Google

Blows Projector :
- Wiki loves monuments

19 juin 2012 : Quels horizons pour demain ? La gratuité ?

This session will address legal issues (licensing, data, the French context, the Open Data cultural, etc.). Sometimes in sensitive collaboration between cultural institutions and community contribution.

- Mélanie Dulong de Rosnay – CNRS
- Rémi Mathis – Wikimedia
- Vincent Bullich –MSH Paris Nord

4 – European Marie Curie Scholarship (FP7 Project PhiloWeb) with Harry Halpin, W3C/Université Edinburgh & seminar "Philosophy of the Web" (iri, College of Graduate Schools of Paris 1 , journal Philosophical Implications).

As part of a European project FP7 Marie Curie (project "PHILOWEB"), Harry Halpin, researcher at the University of Edinburgh and member of the W3C, other holding the philosophy of the Web, also joined iri for a period of two years.

His coming a reality including the holding of a seminar on the philosophy of the Web, led by Alexandre Monnin and himself, and funded by the College of graduate schools of Paris 1 iri and with the support of the journalPhilosophical Implications [http://www.implications-philosophiques.org/] which also opens its columns to the philosophy of the web. Interviews with participants and articles will be published throughout the seminar and beyond [See http://www.implications-philosophiques.org/category/ateliers/philosophie-du-web/] .

This is held about once a month, Saturday and Sunday at the Sorbonne (Room Lalande) and the Centre Pompidou (room Triangle). It brings together researchers and observers of the Web as distinguished as Brian Cantwell Smith, Henry Thompson, Blaine Cook (Twitter's lead developer), Andy Clark, Francis Rastier, Yorick Wilks, Bernard Stiegler, Bachimont Bruno, Patrick Hayes, Anthony Beavers, Aldo Gangemi , etc..

Project Summary "PHILOWEB":

"Following the success encountered by the Web technology, and given the structural changes that it induced, Web designers and researchers are forced to confront an ever higher difficulties whose root is clearly philosophical. Among them, many old problems lurk in new clothes - questions relating to knowledge, identity and language - when, in parallel, new questions are raised by the interweaving of increasingly complex Web in the world with the rise of the Semantic Web and Web objects. In a world increasingly dominated by information technology, our own nature as individuals gradually changes as our cognitive abilities and social outsource more and more. Yet philosophers have only begun to link these technological challenges to French philosophical tradition, which explores the historical origins of conceptual structures, and the analytic tradition marked by rigor, which requires that any statement is based on logic or empirical evidence. This scholarship intends to be the start of a project on a larger scale which, in an innovative way, attempts to combine these two traditions around a common research object: the World Wide Web. A strictly interdisciplinary approach is required for this, which means replacing the current research on the Web in a broader framework that combines cognition and registration body of the mind to the latest innovations in this field. The ultimate goal is to achieve this award, coordinated by Alexandre Monnin iri, by writing a book tentatively titled "The Open World: A Philosophy of the Web".

5 – Art History

The following, written by Bertrand Sajus (MCC) and Monnin Alexander, has been published in the C / Blog Ministry of Culture:

HDA-BO: experience the semantic tagging
An experiment on site data
Histoiredesarts.culture.fr

The site lists 5000 histoiredesarts.culture.fr online educational resources produced by 350

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cultural institutions. This directory, implemented in September 2010, aims to help the educational community (teachers, cultural mediators ...) to find reliable documents in the field of art history. It is part of the device developed by the Ministry of Culture and Communication (MCC) to support the curriculum of art history of National Education.

A workflow editing records of the site is being integrated into the information system (MCC project "HDABO"). This tool, which will replace the current centralized database, will allow 350 institutional contributors to create and update their records via a dedicated web interface. This project was an opportunity to create a module for indexing resources, significantly more elaborate than the one currently in place (full text search). Tags 'semantic', linked to Wikipedia entries, gradually replace simple strings used as a tag. Meanwhile, a proof of concept whose first elements are Online, helps illustrate the innovative features offered by a heuristic corpus of semantic tags (project, "HDA-Lab"). These projects (and semantic tagging module proof of concept) stem from a collaboration between the Department of Digital Programs (DPN) MCC and the Institute for Research and Innovation (iri).

Interest and limitations of tagsWeb 2.0

Tagging is typical of Web 2.0, examples of sites using the tagging is often cited to illustrate the first wave of Web 2.0. This is not surprising when one remembers that the contribution is at the heart of Web 2.0, and the real engine of tagging. Most current platforms offer their contributors a field tags, which are based on a significant portion of the functionality of search and navigation.sites Delicious [http://delicious.com/] (sharing bookmarks), Flickr [http://www.flickr.com/] (photo sharing), Youtube [http://youtube.com/] and Dailymotion [http://www.dailymotion.com/fr] (video sharing), not forgetting of course the editing tools of blogs (Wordpress ...) ... have encouraged the development of the practice of tagging among a wide audience of users.

Tags are mostly simple strings (keyword, smileys, etc..), used as labels to describe a

resource. They are particularly important when the resource is described as an image or an audio or video content which can not be easily extracted descriptors. In those cases, search engines can index documents in the absence of textual analysis, hence the importance of the contribution of Internet users.

The popularity of this indexing method owes much to its apparent simplicity. But it is technically very limited in consideration (among others) because of homonymy and polysemy of natural words. The tag "Vienna" means he the capital of Austria or a town of Isere? "Glass" means he a container or material? Henry VIII, he refers to a king of England or an opera by Camille Saint-Saens? If a user searches for "moped", does he risk not to miss important documents tagged with "moped"?

Certainly tags increase our ability to find documents on the Web while promoting the "serendipity", ie , the unexpected discovery of a proves fruitful. Their presence is an undeniable improvement in functional sites that operate them. However, depending on the context, the limitations of this model indexing are likely to require technical improvements.

Tags "semantic"

The use of reference terminology such as thesauri, for example, is not feasible in the context present for at least two reasons. First, Web 2.0 is based on a very wide opening to the site contributors. However, the complexity of using a thesaurus is unacceptable for a tagger lambda, non-specialist traditional documentary techniques. Second, it is difficult to find a sufficiently rich online repository whose content is legally reusable. It is this observation that the idea of using Wikipedia as a reference. With over one million articles in French, under creative commons license, this online encyclopedia meets the minimum requirements indexers qu'Histoiredesarts such a platform. Moreover, it is available in a structured according to the standards of the Semantic Web, via the project DBpedia.org. Main application of semantic web, DBpedia is like a repository *of fact*. It is based on

the project, to date, has mobilized the most convincingly the contribution ranks: Wikipedia. By transforming the largest encyclopedia that mankind has known to date in a knowledge base, DBpedia solves the problem of traditional thesaurus offering a repository open to all topics that updates itself "alone" with the ceaseless activity deployed by Wikipedians.)

Tags "semantic" HDA-Lab used to consist of a label and a set of metadata extracted from Wikipedia and DBpedia.

Example:
Tag not semantics:Restoration

semanticTags:

Label Wikipedia : Restoration (Art)
Wikipedia URL:
[http://fr.wikipedia.org/wiki/Restauration_(art)]

DBpedia URI:
[http://dbpedia.org/page/Conservation-restoration]

Label Wikipedia: Restoration (History of France)
Wikipedia URL:
[http://fr.wikipedia.org/wiki/Restauration_(histoire_de_France)]

DBpedia URI:
[http://dbpedia.org/page/Bourbon_Restoration]

In this example, the tag "Restoration" is disambiguated by reference to two separate articles of Wikipedia. The word has been replaced, as the context of instructions for Art History, or by "Restore (s)" or by "Restore (History of France)." Note that the work of re-indexing the entire corpus of Art History is underway at the time of writing (a total of 70,000 tags will be processed). To do this, the editorial team of the project uses a module re-indexing *ad*hoc:"HDA-BO" (for *back-office)*. This tool provides a linking functionality with Wikipedia and DBpedia. The completion list entries of the encyclopedia is indeed available for each tag. The re-indexing is simply to replace the tag from its equivalent of Wikipedia entries. The module

then imports the label and the URL of Wikipedia and DBpedia URI. Of course, once the recovery phase of the existing data is completed, the new resources will be directly added to the corpus tagged using these new features.

Interest inend-user

the semantics-tags has many advantages, both editorial and functional.

- The choice of label allows Wikipedia to disambiguate tags in a simple manner. The user is no longer in doubt: he knows in advance the meaning of the tag applied to the corpus and the results of his research are no longer contaminated materials off-topic.

- The URL of Wikipedia provides, *de facto*, an identifier for each tag. Thus, all corpus tagged with the same method will be semantically compatible. One can imagine research tools on transverse distributed resources in many different projects or different sites (eg Faviki [http://www.faviki.com/]).

- Additional metadata are retrieved from Wikipedia in order to enrich the functionality associated with the consultation of the corpus: a portrait of a personality, the geolocation of a monument, the definition of a term, its equivalent in another language ... The examples abound.

- Logical relationships underlying the content of Wikipedia (eg the inclusion relations between cities, counties and regions of France) are reusable via the semantic graph of DBpedia. This enriches the search features, such as find all the cities belonging to a region.

Such functional enrichment does not obviously puts into question the most positive aspects of Web 2.0 tagging. However, it is designed to significantly increase reusability.

III – Collaborative Technologies, technology trust

1 – Economy and technologies of trust

This research is part of as an extension of ideas presented by Bernard Stiegler at its conference the Foundation Telecom in April 2010 as part of seminars on the one hand with the Foundation Telecom but also with ENSCI, Cap Digital, and Alcatel Fing through a preparatory seminar to be held in April 2011 to ENSCI then on the occasion of the New Industrial World Forum in December 2011.

A society, whatever its form, primarily *is* a device for producing *loyalty.* Believing in others - and not only trust him: count on him even beyond all calculation, as anguarantor *unconditional*of,ie as guaranteeing principles, uprightness, probity, etc.. : These are the roles played by his father, his pastor, his teacher, the farmer, his officer, etc.. Because these characters are in charge of it a kind of mission superego, those who believe in them *invest* in them - and both, in the Nation, in Christ, in the Revolution, but also in the social project they embody and that must also embody any entrepreneur within the meaning of Max Weber.

We know from Weber that capitalism has changed the kind of loyalty which structured Western society - based on faith specific monotheistic religious belief - confidence understood as *computability Trust.* However, the crisis of capitalism that began in 2007-2008 has shown that this transformation of fidelity in computability, operated by the trust units, met a *limitation where credit is massively reversed into disrepute.*

It become, part of what Weber as well as Adorno désignèrent rationalization, leading to disenchantment, is essentially linked to *process grammatization* which, during the Renaissance, printing a new dimension and will be for a Reform object of politico-religious struggles

unprecedented. During these struggles, pharmacology "of the mind" that make up the book and the books, and therapeutics that require such *"pharmaka"* (poisons which are also remedies) will become the subjects of a spiritual conflict in the service a new therapeutic religious and secular.

No one can ignore with the development of digital, which is the most recent stage of the process of grammatization, the major issues that put the printing and induisirent forth by the Reformation and Counter-Reformation reappear: trust in the world of *metadataware,* social networks and traceability (not to mention issues of payment security who take this challenge by its most superficial) has become a major issue. This is to try to assess the scope of this question and business models, organizational, industrial, technological and social able to rebuild the confidence that *2011 interviews* were spent with special guest Ulrich Beck - thus linking the issue of defiance against nanotechnology raised during *interviews in* 2010.

A preparatory seminar was organized on these issues, as in previous years, in April and ENSCI this year in collaboration with Cap Digital, Fing, the Institute Telecom and Alcatel. The speakers this year were: Bernard Stiegler (iri), Alain Mille (University Claude Bernard Lyon 1), Judith Simon (Post-doctoral researcher at the Institut Jean Nicod), Nicolas Auray (Institut Telecom), Cecile Méadel (Centre for the Sociology of Innovation, Mines ParisTech), Albert Ogien (EHESS), Godefroy Dang Nguyen (Telecom Bretagne).

The interviews themselves were held in Great Hall of the Centre Pompidou, 19 and 20 December 2011 by following this program:

Session 1 - History And Anthropology of Trust

Study of philosophical perspectives, historical, theological and anthropological confidence, thinking in the contemporary context of digital technology and the political and economic crisis, or in connection with the development of processes and devices grammatization recording traces, since the crisis induced by the printing until the development of contemporary digital world.

Speakers: Bernard Stiegler (iri / Ars Industrialis), Michel Guérin (Univ. Aix-Marseille), Cynthia Fleury (American University, Paris), Paul Jorion (Columnist The World Economy)

Session 2 - Science, Reliance, Calculation And Know

Confidence is it reducible to calculable (it can happen to an incalculable)? Is it reducible to a quantified risk assessment (financial, health, nuclear, technological, etc.). Or not she came out of quite different principles, requiring reconsideration of our day and in full knowledge of the question that democratic an expertise in the extreme would technocratisée discredited and destroyed? What outcomes can be envisaged to overcome the mistrust that happens between society and science - themselves more often related to a logical development that the adverse effects and limitations seem to run suddenly before our eyes? Can you imagine that traceability technologies are available to meet a new democratic age of knowledge?

Speakers: Hidetaka Ishida (Univ. of Tokyo), Jean-Pierre Dupuy (Alain Mille (Univ. Lyon 1 - Liris) Judith Simon (Institut Jean Nicod / Karlsruhe Institute of Technology)

Session 3 - Economics And Marketing

In the context of the current crisis, we hear more and more new models of marketing, advertising, but also money. The network marketing do they not restore, however, and by aggravating the devastating effects of consumerism emerged in the twentieth century? Beyond the simple calculation of the risk itself an engineering confidence and new spaces attempting to recreate the so-called have developed, especially on the Web. What difficulties do they intend to go beyond what solutions they propose and what about the underlying demand they express? At the threat of collapse of the euro area, a new trade - which could even be based on new forms of money - is it going to invent?

Speakers: Patrick Viveret, Laurence Fontaine (CNRS), Serge Perez (Corporate Workshops), Marc-André Feffer (Post)

Crossroads possible Fing, presentation of projects for young innovative start-ups

Session 4 - Technology And Design of Trust

The *manufacture* of confidence does it lead to distrust (such as *loyalty* cards) what are the strategies of brands and tribal marketing on the Web? Questions from the control of personal data and they refreinent profiling system development contribution? The cognitive approaches can they teach us something about the conditions constitution of the trust?

Speakers: Eddie Soulier (Tech-CICO Laboratory, Univ. of Technology of Troyes), Nicolas Auray (Telecom ParisTech), Hugo Zaragoza (Websays) Daniel Kaplan - Presentation of recent work on trust led by Fing
Alain Cadix-Presentation of student work of Les Ateliers made as part of Studio Users with the assistance of Fing.

Session 5 - Trust and Policy

To what extent are public data - which are fundamental changes in the public report / private - is it an issue for public powers (national and local authorities, international organizations) or private (companies) want to restore confidence? Do they not likely to achieve the opposite of that for which some are place their top prospects - constituting as it appeared in some experiments a submission in the public sector to private interests? What exceptions of

sensitive data in the context of recent dossiers Wikileaks? And what became of the notion of privacy when "private" has become synonymous with profitable, and the opposite of intimacy - if not private police -?

Speakers: Valérie Peugeot (Orange Labs) Kieron O'Hara (University of Southampton, GB), Albert Ogien (CNRS / EHESS), Catherine Fieschi (Couterpoint), Bernard Umbrecht

Address by end of conference: Ulrich Beck

In connection with this line of research on technologies for trust, iri led forward thinking the use of public data on time or number of administrations and local governments open their databases in conditions that allow the creation of new digital public services or the establishment of commercial service offerings. Iri has collaborated with Microsoft on this topic and Bernard Stiegler has intervened in a seminar on digital Regards on this issue March 17, 2011.

## 2 – Todai Forum sur le thème « Catastrophe et média »

As prelude to New Industrial World Forum on the theme of trust, the closing of the Todai Forum in October took the form of one-day conference at the Villa Gillet in Lyon on "media and disaster." This conference was organized by iri, Todai and the Villa Gillet in cooperation with the Tokyo University of Arts (School of Film and New Media) and the University of Tokyo Zokei. This conference has added the reflections in the context of recent post-March 11 (the "Great Earthquake in Eastern Japan 2011"). The 21st century began as a century of wars and terrorism, beginning with the September 11 attacks attended by people from around the world via the media in real time . On the other hand, after the crisis of "subprime" in the U.S., the Lehman shock and the crisis in the Eurozone, the global economy and financial disasters were reported daily and the severity of the problems began increase. In addition, because of extreme weather caused by global warming, various countries and regions were affected by floods, droughts and hurricanes in a short time. And now we are at the heart of the disaster this century with the "Great Earthquake in Eastern

Japan" March 11, the tsunami and the nuclear accident.

Disasters time questiones ourselves: many questions about fate, destiny, contingency, event, the relationship between nature / man, abound waiting for a new crop ecology. Filmmakers, artists digital arts, philosophers, semioticians, sociologists have developed media dialogs by crossing Japanese and Western eyes. By confronting us with questions about luck, fate and the event, the age of disasters requires a new cultural ecology. In particular, the issue of media and representation emerged as a very important topic. In the context of Japan and France after March 11, the symposium offered a great opportunity to think concretely the question of the disaster and the media through multiple reflections on technology, art and culture. We could count among participants Robin Renucci, Hidetaka Ishida (Semiotics of Information), Beranrd Stiegler, Shunya Yoshimi (Media and Cultural Studies), Masaki Fujihata (Media Arts). intervention of Prof. Hidetaka Ishida was particularly illuminating on this occasion as interviews with the New World Industrial on the issue of trust in the post-Fukushima.

3 – Publication of the book on "Social Networks"
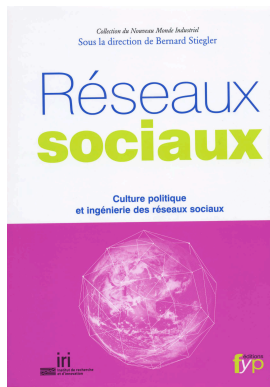
Continuing on this theme, iri published in December 2011, in collaboration with Cap Digital, and ENSCI fyp Editions, a book on social networks, sponsored stakeholder interviews to the New World Industrial organized in December 2008. With the help of an intern INTD, notes, footnotes have been inserted in the book, which are all short URLs to specific segments of the interventions of the authors.

This work, conducted by Bernard Stiegler, shows how the relational technologies disrupt not only the traditional rules of economy and industry, but also and deeper, the process of psychic and collective individuation. It offers a thorough analysis of the sociological and psychological factors that govern the formation of these networks. It studies the economic and organizational, and identifies opportunities for social innovation, policy issues and threats related to this emergence of "social engineering".

Finally, it explores the rules of constitution and development of social networking Web 3.0 (Semantic Web and alliance of the social web), and also the economic and ethical administration of these new environments, that is to say, issues management, control, transparency and e-democracy, as well as technologies and industrial strategies already implemented or planned.

4 – Culture and education as the foundation of the new industrial world

the occasion of his speech at the Avignon Forum in November 2010, Bernard Stiegler explained how cultural technologies emerged mainly in the early twentieth century have both formed a new Cognitive capitalism at the base of the cultural industries but also the first turning point of machinic sensibility that can bypass the individuation in relation to works. But we are now in an evolutionary context and accessibility of digital technologies which opens a second turning machinic sensitivity that can produce the best and the worst (pharmakon) and that this cultural context once perceived as restricted in its sole sphere, is today the engine of a new economy of the contribution in all areas. This thesis is the basis of the research is cross iri the broad guidelines proposed by the Minister of Culture. In this context, the High Council for Cultural and Artistic Education proposed to iri to accompany the organization to its plenary session held December 2, 2010 at the Pompidou Centre and then to extend this collaboration as

part of a monthly seminar held at iri and the
INHA with the participation of heads of
institutions, artists and researchers.

5 – The project FUI THD (very high speed networks)

This project, which expired in late April, focused
this year on actions promoting communication of
results, the challenge for the Institute Telecom
and for iri was to demonstrate that the
development of very high speed networks has
not only justification for the massive increase of
bids, quality reports (HD) or access to 3D. the
contrary, iri and the Institut Telecom defended
the thesis of massive development of
contributory networks THD.

Presentations on this theme were proposed first
in a professional context in the City of science, 28
and 29 January, for the living room with THD:

-   a presentation of tagging issues by Vincent
    Puig and Alexandre Monnin

-   a roundtable on new services for the TV
    connected, organized by Vincent Puig

-   an introductory workshop the practice of
    tweeter in a context of debate with the tool
    presented by Polemic tweet Haussonne and
    Yves-Marie Thibaut Cavalié.

Then it was, in a more scientific, to the
Symposium THD, 28 and 29 April the MSH Paris
Nord, Paris Un 13 including:

-   the detailed account of the analysis uses the
    annotation of movies in combination with a
    remote connection type videoconferencing
    carried out iri (one experiment followed by
    Julien Figeac, Institut Telecom as part of his
    PhD thesis in the Christian Licoppe, Fig 1).

Fig 1

-   the presentation of the experiment
    annotation collaborative distance of two
    feature films, *Between Class* by Laurent
    Cantet and *Pillow* Peter Greenaway's Book,
    by Yves-Marie L'Hour and Vincent Puig.

Note that this second experiment resulted in an
article to be published again Olivier and Valerie
Beaudouin Fournout Institut Telecom, titled *The
new UtopiaElectronic Media: The Case of the
collaborative annotation of* movies. This article
challenges very well in its cultural, sociological
and philosophical development of the platform
time lines and its inclusion in the broader
movement of video contribution.
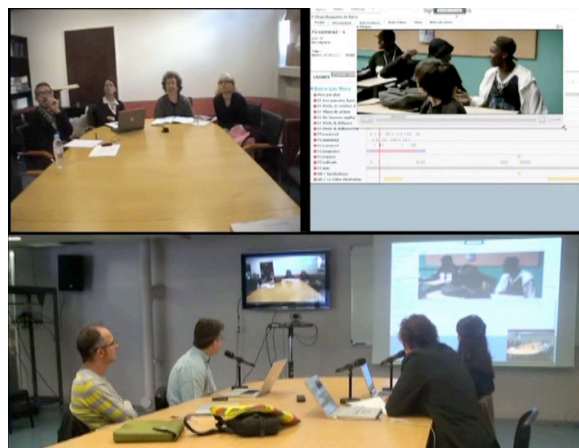
*device annotation enriched by teleconference for the analysis
of the film The Class*

6 – project FUI CineCast

Theiri CineCast launched the project in January 2010, the largest industrial project FUI supported by the Ministry of Industry in the field of new practices of cinema (8 million euros). It aims to foster new cinematic practices including multi-media room digital card from the social dynamics (Screenrush, UniversCiné, Vodkaster, France 5), combined a distribution platform (Orange / GlobeCast) and a solution RichMedia (Netia).

With the availability of Carolina Archat by the Ministry of Education at Iri, numerous workshops were held on the platform timelines and the MoviePedia device designed in collaboration with the company Vodkaster and the Forum des Images with the participation of Marta Boni, PhD student in cinema in Paris 3.

These workshops were conducted in the wake of a PhD in education supported at the University Paris 8 in 2010 " introduction of art in elementary school and college. Learning process and shaping school confrontations works, "according to a method combining theoretical and empirical research. This is to measure and anticipate the changes implied by the presence of increasingly widespread digital tools in the school on teaching practice in terms of educational goals as the point of view of the possibilities learning for students (for the teaching of art history: learning to look, understand, appreciate a work). In fact, the confrontations in film school equipped by digital technologies and undertake a singular experience-changing as socially and historically situated - a scene in space and time which are carried back and forth between viewer, singularly affected by the work and the work itself as a real object, limited to the singularity of his experience. Centration of these movements with decentration of the work at the subject and the subject to work, these confrontations are conceived like Georg Simmel, as a "cultural process". What about situations, tasks and activities that support this process? Experiments in Education iri aim to answer this question.

Besides viewing activity - not always linear since the user can also start playback by clicking anywhere on the line shot by shot - Lines tool time is a space of investigation for which the user can annotate the film, just as he annoterait a book with a pencil during playback. These annotations give rise to a graphical representation which isolates certain extracts and organizes them, then forming one or more entries in the film. Paralleling of different extracts, and the ability to visualize a multitude of times, puts the user in a position to confront a tangible way to the film material, to explore the thoughts and ideas that come to mind.

activity annotation so as to include the unveiling of what is happening at some point between viewer and work. Bearing subtleties, it uncovers the meanings carried by the works and is a veritable bulwark against prejudice and judgment to the punch. In its educational mission, the contemporary school needs to embrace these tools, understand the limits and possibilities of learning to cope with changes that affect it.

These workshops include:

- Class of 1st, Hulst High School, Paris 7, The Red Circle Jean-Pierre Melville (aggregation of internal letters): December, January 2011

- The end of class, Hulst High School, Paris 7, for work of comparing all the Mornings of the World by Alain Corneau (in B.Ed program module "visual language / textual language") and Amadeus by Milos. Forman: "Film Music", 4, 11, 18, 25 January 1 and February 8, 2011.

- Class of literary terminal, Lycée Paul Valéry, Paris 12, Yeleen, Souleymane Cisse (bachelor's), May 2011

- Class of 6th, College Courteline, Paris 12, Tales of the Magic Clock, Ladislas Starewitch, "collaborative practices of the annotation," January-March 2011

- Classes of CE1, Ecole Saint-Merri, Paris 4 Kids Tokyo, Yasujiro Ozu, "From practice to film the observation and analysis, to learn to learn to look," April-May 2011

- Class of CE1, Elementary School Manin, Paris 19th, Kids Tokyo, Yasujiro Ozu, " The body in the interior and exterior spaces, "May 2011

- Class of CE1, the three terminals School, Paris 10, Tales of the Magic clock,Ladislas Starewitch, later in the workshop forum images

In collaboration with the Forum des Images:

- Testing Workshops in the forum images for primary classes "Little factory" on the film Tales from the Magic clock: 6 and January 13, 2011 at 9:30 am (College Sevigne, Paris Class of CE2), 11 and March 18, 2011 at 9:30 am (school Luzard Champ sur Marne)

- Testing time lines in the forum images Workshops for middle and high schools "Cinema, between reality and fiction": January 4, 2011 (Suzanne Valadon Paris High School Class APAC), January 14, 2011 (High School's Alain Vésinet, 2nd class), January 27, 2011 (Ecole Massillon, Paris, 2nd class, 32 students), March 23, 2011 (Lycée Descartes Antony, 2nd class), March 30, 2011.

- Experimentation in the course "Writing on the films" Quartet by James Ivory, in January 2011

Meetings and Presentations

- February 4: return of the work on time lines for high school students 'Hulst

- March 4: Presentation of educational workshops to partners Cinecast iri

- 10 May: presentation of work on time lines for professional students of the Master "Teaching image and movie" of the University of Paris 3 Sorbonne Nouvelle

- June 29: day balance experiments with teachers of the Academy of Paris (Archat Caroline, Thibaut Cavalié)

- 19 October: meeting with teachers in elementary and college students in Paris in three didactic film (Caroline Archat, Jacques Verrier)

- November 22: thesis defense of Marta Boni at a Paris Cinema (using the platform lines long)

- 23 November: meeting with teachers in primary and colleges and students of Paris 3 teaching in film (Archat Carolina, Thibaut Cavalié)

- November 30: Courses for students in History, Master Paris I-INHA. (Thibaut Cavalié, Vincent Puig).

- December 13: Presentation to doctoral students of History, Paris I-INHA. (Jacques Verrier (iri), Amaury Bellin (Liris), Mr. Bourgatte (Telecom).
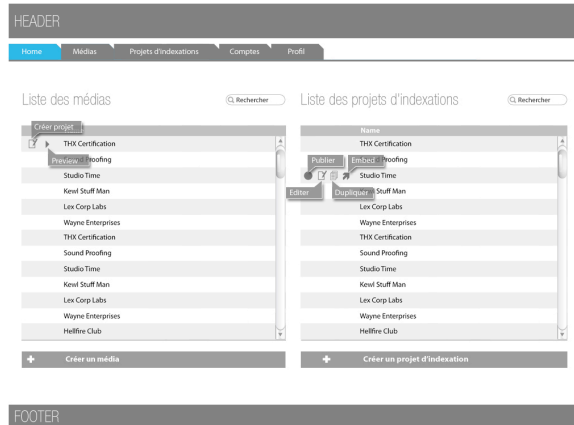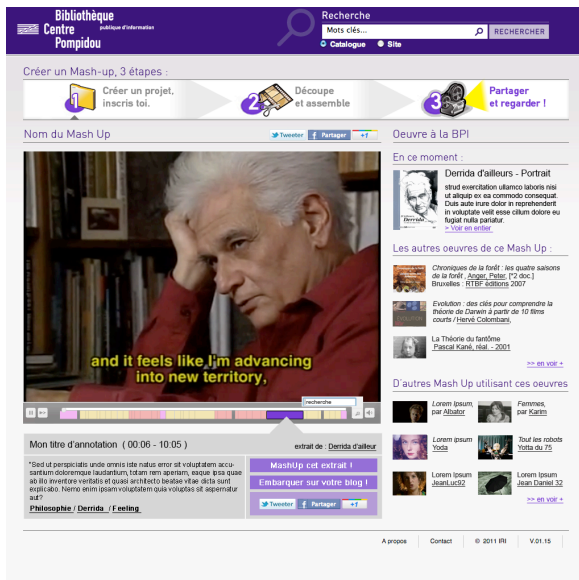

Iri was also a partner in the first edition of Mashup Film Festival Forum des Images, including the organization of closing debate and Laurence Allard conference on the political practices of the Mashup. Following this festival,

in-depth discussions with Patrick Bazin, Director of BPI led us to validate the principle of an experiment in the Mashup library using d a tool developed by iri and having the characteristic of the Mashup maintain links to the original archives. From existing content and finely indexed, that is to say capable of providing new entries the content, the new composite works carried induce association between sequence content, indicating a read or a personal approach meaningful. It's come up with new formats and new writing and dynamic publication may enhance learning and ownership of content. The Mashup becoming a creative interface and built by the public to access in an innovative way to fund documents.

Model of Mashup tool for BPI (Samuel Huron, iri)
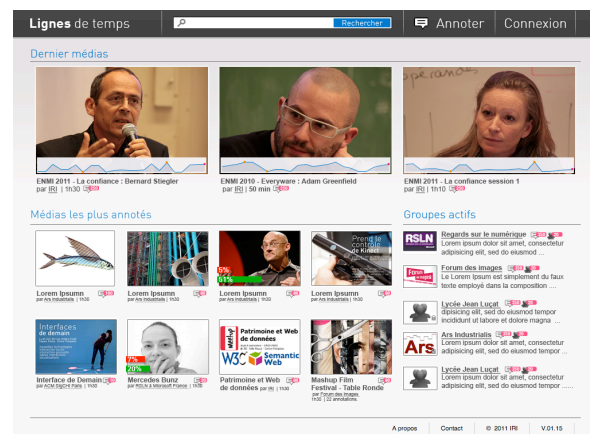
Furthermore, the CineCast project has making it accessible to the scientific community and the teacher time platform lines with new publishing features (Metadataplayer) and navigation / annotation (front office). In addition to scientific contexts Specific project THD (information science and communication) and Project Tic Tac (sociology of creativity), several projects were launched Digital Studies from such in ethnomusicology (Émeline Lechaux, PhD student at EHESS), in history (Marie Pierre, India and Orly Verres Queen, Master student in History Sylvie Lindeperg), architecture (Aurore Bonnet) and of course in film (Alice Leroy on the theme of the body in film and another researcher on

videos of the 70 activists, followed by Alain Carou at the BNF and masters students of education in the image of Paris 3 followed by Caroline Archat)
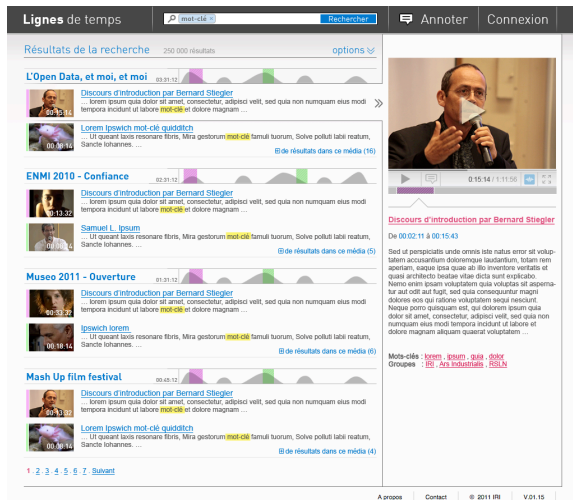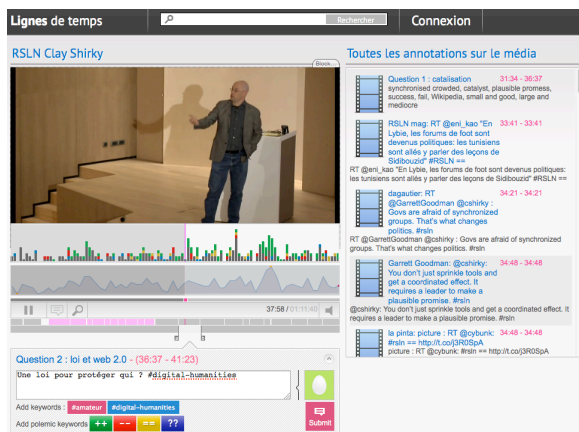

Backoffice Platform Lines time

Front office platform linestime

displaysearch results with curve positioning contribution (purple for the first tag, green for the second, etc.).

Creating an annotation

7 – TicTac ANR project (ANR Creation SHS)

Also in the field of collaborative practices but this time in the field anthropology and sociology, iri finished this year with CEA Minatec LISST and the ANR project TicTac on the study of trajectories of ideas and cooperation among actors in the dynamics of creation.

How analysis the video image can help us understand the creative process? What specific tools must be developed to scan the recording brainstorm and draw new lessons post? Watch a brainstorming session to prism different

interpretations of the data was some of the questions of this research project coordinated by the team of sociologists from the laboratory LID CEA Grenoble (coordinator Miguel Aubouy).

A full account of this project was published by Vincent Puig and Yves-Marie L'Hour for Revue.org, following the presentation given at the symposium « Digital Anthropology » organized by Laura Wanono in Lyon II (University). The article attempts to analyze how the particular technical features of the platform

lines of questioning precisely time: the methodology of sociological or anthropological globally, the creative process in a context of technological innovation (Project Garage CEA), the extension of creativity in the annotation tool see tools editorialisation collaborative tools

mainly experienced by IRI in other contexts such as film analysis.

8 – Project Collective Intelligence (ONRG)

This project takes as its starting point two questions: "What the Social after Facebook?" and "What is collective intelligence crowdsourcing after?". These questions also correspond to two criticisms that can address the technological developments of our time. The first concerns the destruction of individuation through social networks, which promote extreme individualism in which the collective is considered secondary, a natural consequence. This approach sees in the office that an individualistic substantialism. The second challenges the current proliferation of "crowdsourcing," which deals with individuals as a crowd that helps without knowing what it does and turn online activities in activities primarily producing, confusing the meaning of work and investment. We must ask ourselves what are the alternatives. How to go beyond the current and Facebook dominant terms imposed by industrialization?

This project proposes to develop an alternative model that puts the group in the center of social networks and develop a space promoting what Bernard Stiegler calls "economic contribution". It is also inspired by American sociologist and psychologist Jacob Moreno who invented a new

discipline in the early 30s, the "sociometry," which became the paradigm of social network analysis (in particular their graphical representation). In Moreno, we will retain the principle of organizing sociality from social atoms. Another important reference project is the French philosopher Gilbert Simondon proposes that to understand the individuation of both psychic and collective, in which individual and the group can not be separated. In this sense, Moreno and Simondon occupy one extreme positions vis-à-vis the other. Simondonian The theory of collective individuation can serve as a cure for individualism but technological overlap between the two interest us also.

A prototype social networking will be developed which take as its starting point the groups and not individuals, and will provide users with tools to create and administer. It aims to stress the importance of anonymity in the heart of social interactions and dynamics group. This project is funded by the "Office of Naval Research Global," coordinated by Alexandre Monnin and Harry Halpin. Research is provided by a postdoctoral fellow, Yuk Hui, and system implementation by Julia Anaya, engineer.

IV – New forms of dissemination of knowledge

Another issue, altogether Central Digital Studies, such as we propose to think, the important changes in the diffusion of knowledge, is something that we discussed in the seminar "new forms of editorial content" and coordinated by Nicolas Sauret magazine Sens Public, and we will address throughout the year 2012 as part of seminars and interviews in December with the New Industrial World. But this is theoretical articulated, as always iri, with concrete experiments in which the question organological is treated in depth, not only as new tools and methods induced by the digital in different disciplines but as technologies that provide an epistemological revolution. This epistemological upheaval is particularly noticeable in the field of journalism, analyzed closely by the team of Bruno Patino to France Television, is a disruption in the production of knowledge but also in its dissemination. New digital broadcasters can play a role similar to that of major educational publishers in the late[19th] century.

In 2011, IRI has led two research projects conducted by ANR Nicolas Sauret: that of the press in line with MediaPart and Alcatel Bell Labs in the ANR and the Periplus production of audiovisual fictions contributory in the ANR Eulalie, as well as several production sites to which iri was then associated with France Televisions (includingthe project *The End* of Laetitia Masson, web fiction on investment and disinvestment produced by Memoprod).

1 – Digital Humanitas Seminar in CCCB (November 9, 2011)

First milestones in the context of the project Digital Studies, IRI, CBAC and Microsoft have combined to organize the first seminar on Digital Humanities, which was attended by more than a hundred participants. The aim was to shed light specifically on this theme by proposing that morning a series of workshops on:

- Tools of the contribution (presentation of the platform and time lines new publication formats for the media, Metadata Player, Polemic tweet).

- tangible interfaces and sensory-motor issues.

- Current developments in the Mozilla Foundation under the project Popcorn.js on the annotation of video or subtitling.

In closing Bernard Stiegler returned to the philosophical and anthropological Digital Studies and the day ended with a roundtable discussion with Microsoft and Mozilla Foundation.

We must emphasize here the close relationship between our vision of Digital Studies, as a collaborative process natively, with the free software movement. This is why, IRI, through Samuel Huron, early in the development of a

metadata player entammé closely with Mozilla Foundation and with the particular project popcorn.js that offers many tools for very strategic collaboration (eg collaborative translation presented at the seminar of Barcelona). Development of metadataplayer was wanted by iri and opensource partly follows the recommendations in the context of Mozilla applications javascript, HTML5 and the standard W35 media fragment.

2 – Seminar "New forms of editorial content" (iri-Sens Public)

1. If editorialisation promotes recovery volatile structured flow of information to be content valid, it is a central feature of the creation of contemporary knowledge. Our first concern therefore the issue of sustainability content anddynamic knowledge who are at work within the new practices editorialisation. We will use several case presentations to detail the dynamics of this creation: what validations? What guarantees? What recourse? How a digital authority is she? How the status of documents is it likely to evolve over the process of crystallization?

2. Second, note that the "publication" does not guarantee the availability of content, which comes primarily structured links. make available any content is inserted into the broadcast networksstructured,linked to specific audiences, in contexts favoring its recovery. The editorial content is inseparable from these links. The issue of referral networks, the indexing and referencing of documents will therefore be subject of specific investigations.

3. Third, a fundamental aspect of the web related to the superposition of the linguistic universe. If a regime more clearly separated former internal trade in scientific communities and those for a wider audience, the place occupied today by the controversies and public debates change the status of languages to know. How to practice the coexistence of several languages in the discursive spaces? Should we go through the utopia of a global translation supported by Google? Other forms of multilingualism can they enrich the complexity of knowledge online without reducing its accessibility? Multilingualism is a key issue of digital editorial content.

4. Finally, the seminar questions the issue of digital identity. Our actions and our production line open on new forms of ouridentities.The role and status of the author are involved, the web 2.0 has been in crisis and the difference between producer purpose. This does not prevent the construction of knowledge on the web based on a proliferation of identities, carried by nicknames, avatars, group identities ... If the author tends to become an actor, the dynamics of identities Digital is changing the rules and issues of knowledge production line.

The seminar then examines various forms of writing and layout of online content to understand how they perpetuate their content by structuring them as forms of knowledge linked to spaces documentaries, educational and discursive. For this, the following program was designed:

November 3: Opening Session. New writings and participation: Embracing the constitution of knowledge on the web.

At a time when risk of commodification extreme fragmentation of the Web and the neutrality of the Internet are days, it is necessary to consider digital spaces open up to know.

Guests: Patrick Bazin - Director of BPI and François GEZE - Chief Editions La Découverte

December 1: From Pedagogy, information and entertainment: the web-doc and beyond

En quoi le Web se prête-t-il à de nouvelles f How the Web lends itself to there new forms and new documentary formats, with a new relationship between journalism and creative learning?

Guests: Julien Guintard - co-author of Thanatorama, Alexander KNETIG - responsible for drafting and developing Web ARTE France, Etienne Armand AMATO is education director of ICAN and researcher at Paragraphs (Paris 8)

Jan. 19: Collective Intelligence, participatory knowledge (human computation)

"The curation of content is part of the movement of the Semantic Web, an ecosystem more organized that would allow machinery to deal smarter user queries and display results pages more relevant "Wikipedia.

Guests: Bertrand DELEZOIDE, Researcher at CEA; Benazera Emmanuel, Director and Founder Seeks Project Seeks Free Project; Nicolas LOUBET Associate Director, Social Media and Umaps Designer knowtex.

March 22:Serious Games

Theuniverse of simulation, modeling and fiction intersect the digital educational practices. Conversely, how the logic of knowledge (discovery, innovation, invention, deduction, etc. ...) they feed the playful universe?

Guests: Catherine Rolland, the Serious Game Lab and Stephanie Mader, PhD student at the CNAM (CEDRIC).

April 12: Social Networks , contribution and participation

contribute and participate in Social Networks, yes. But what social networks? What do they control and who controls them? "Let's fragment Into the Monopolies miles tops!"

May24: The contribution of digital art

creation unique to Net Art she met new issues of fiction (or" Veri-fiction ") involved in an open universe on the re-use of data as Semantic Web? Open a world of "public-actors"?

June 20: Data journalism and data visualization

with the digital control, anonymity, confidentiality and protection of sources come to the forefront of practices freedom of information. But when the "source" IS "leakage" (Wikileaks), to which citizenship of transparency moves do we? How to challenge the opacity of powers?

## 3 – Organology of mashup data annotables:Periplus the ANR project
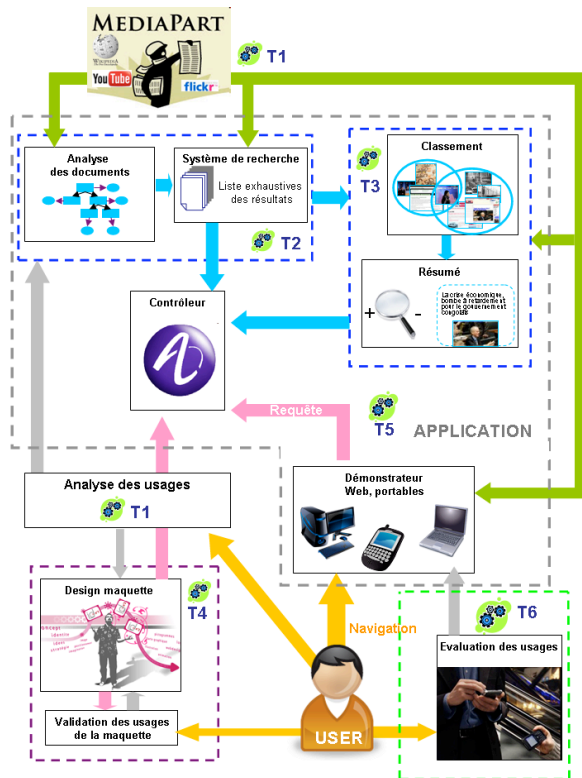
The concept behind the project is finally Periplus that of reading the news online in a device whose starting point is a powerful search engine that will aggregate the results to produce a composite information (multimedia) and summarized, ie a new entry point to articles and audiovisual resources developed.
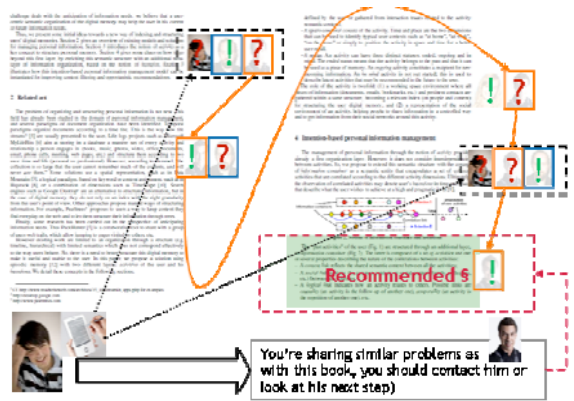
Sharing knowledge on the S-Book (Ribiere, Picault, Squelin, Alcatel Bell Labs)

This "data mashup" has the distinction of being annotatable by the reader, and all metadata produced by the reader on the summaries generated by the search engine will enrich the documents pointed to by the mashup. Another dimension comes immediately complete this device: the social dimension. What will it actually a daily national press that will aggregate the trace readings and annotations of its readers? This is where the project consistent with the idea of Social Book Alcatel Bell Labs, as it promotes collaborative reading, sharing readings, midway between reading and writing collaborative.

4 – Writing contributory audiovisual fictions: the ANR and experiments Eulalie France Televisions

Collaborative Production and Publication Platform
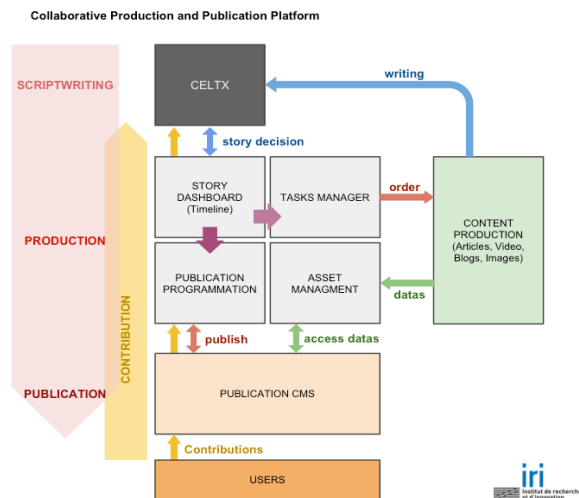
EULALIE 2 project (ANR coordinated by France Telecom in partnership with HEC, and Tivipro TELFRANCE) involves the design of audiovisual fictions in collaborative mode in a resolutely transmedia (the program unfolds differently on different media TV, web, mobile). In 2011, iri has developed with its partners, a new back-office called the Media Data which aims to integrate the media, data and metadata throughout the production chain, writing up 'the multi-media publishing. The Media Data is designed to be a real dashboard, including the narrative structure, the division of labor, media management and release management. This allows the core team of editors to integrate the proposed contributions by the public for the evolution of the series.

Another contribution method has been devised consisting for the public to influence the story by manipulating sliders "dramaturgical" (political tension, financial, environmental) in the specific context of fiction "Anarchy" designed by the company TELFRANCE.

Finally, the framework agreement signed with France Televisions in 2011 allowed the approximation of several production teams and FTV strategy with teams of iri for the implementation:

1. many experiments and prototypes: Adaptation of Metadata Player to a prototype player Replay integrating issues of contributions, editorial enrichment and new forms publication.

2. 2. deployment on an experimental basis a Polemic TV Tweet equipping real-time social activity around TV programs generating debate (debate between the two round of the presidential 2012), and asynchronous, the editorialisation flow of television and social flux, articulating the CEA algorithms of image analysis and clustering (subproject Periplus)

3. 3. an experimental device on the web contributoryfiction The End ofproduced by Laetitia Masson Memoprod.

V – Sensory-motor skills, mobility and data representation contributory

1 – Seminar on Museology 2.0 Mobility, Drive and Motility

De Many theoretical studies have highlighted the important role of the body and motor involvement, articulating perception and action, read / write, in the field of cultural or educational practices. The advent of new technologies has been somewhat overshadow the importance of these conditions of perception by focusing on visual perception in particular in the field of computer graphics. Traction as a fundamental element of perception works in the museum context arises anew with the availability of new interfaces or tangible gestures say, for example allowing the visitor to understand a painting with a brush, a music with a keyboard, a film with a camera ... The UI gestures have so far developed in parallel with the instruments of mobility that question us about the challenges of ubiquity, independence and especially management of temporalities that intersect particularly in the museum: time of exposure thought by its designer, effective time of the visit of the visitor, time audiovisual materials proposed, comments or time period of the "conversation" that the user manages to present on its mobile connected to social networks.

To address this, we propose to distinguish the two issues of motor skills and mobility, in that they alter the design of new forms of address to the public, to better analyze subsequently the whole point of crossing the two approaches.

First, the seminar is proposed to reconsider the theoretical issues related to the field of sensory-motor skills: starting from its importance to living in general, then highlight the specificity of the human situation in which the majority of physical performance through technical devices, changing the conditions of sensory motor function, whether at the level of mobility or motor skills that tie any time in the history of technology.

From this in perspective, we discussed the artistic situation. Reference was made to mobilize the sensory-motor skills in the production of artistic works, and in the viewer's experience.

We wondered in particular how the sensory-motor skills brought by the museum experience supports the viewer's attention.

Finally, the issue more specifically museum was treated by questioning what makes it special to time when new interaction devices fall into the museum space.

The seminar analyzed the idea that the introduction of these devices to the museum is an opportunity to ensure that the viewer is not in passivity, - as it can be in front of the television screen - and he finds the engagement engine, largely absent today.

Specifically, the intersection of the two approaches, one of engagement engine, including by individual mobile interfaces, and the instruments of mobility that is the layout of the course, the arrangement of works etc.., may prove fruitful if one develops their articulation. Such a relationship should be thinking not only inside the museum, but also before and after the visit, the museum experience to enroll in courses and practices broader horizon for having its integration into the socialization process broadly: the devices used in and outside the museum will then become tools of dialogue, exchange, contribution, collaboration and sharing. The question to which we move is so that new forms of criticism and motility induced by new instrumental conditions of mobility and motor skills.

The proposed program, coordinated by Armen Katachtourov, was as follows:

November 16, 2010 : Introduction

Bernard Stiegler, Director of the Institute for Research and Innovation; Armen Khatchatourov, lecturer, and IRI EESI

December 21, 2010: Sensory-motor skills and cognition

Sylvain Chafer, Laboratory of Neurophysics and Physiology, Univ. Paris V, Andrieu, Univ. Nancy. Intentionality body, touch and care

18 January 2011: Sensory-motor skills and artistic

François Delalande, INA-GRM. Motor skills and music; Denis Guenoun, Univ. Paris IV. Traction and theater Tuesday, March 8, 2011: Drive, images and social exchanges in the Museum; Mélanie Roustan, sociologist Pierre Giner, artist

April 5, 2011: Benchmarks and technological editorials for mobile devices at the Museum

Jean Pierre Way, Project Manager "Mobility and nomadic uses "universcience, Pierre Lavoie, Chairman, design agency Hyptique

May 17, 2011: Art, sensory-motor andcare

Bernard Golse child psychiatrist, psychoanalyst, head of department at the Necker Hospital; Riverti Patricia, Sarah Pain, psychologists , art therapists, training center Brushes The

June 7, 2011: Registration of the museum space in the space of the city

Kevin Walker, a researcher, London Knowledge Lab, University of London; Licoppe Christian sociologist, Telecom ParisTech, Agnes Parent, Natural History Museum

28 juin 2011 : Le musée à distance

Jean Davalon, Univ. Avignon; Belaen Florence, Univ. Burgundy

2 – PolemicTweet and Bubble-T: tools for the contribution and public debate

To conclude this chapter we would propose to rethink here sharing arrangements as organon whose perception / action is still problematic. It is clear that the tagging devices are tweeting or more systematically staged or on the Internet with extreme examples such as the Japanese site Nico Nico Douga, or museum in devices such as is envisaged la Gaite Lyrique Anarchy for the project. In all cases, there are many issues of sensory-motor skills to the extent it is to reconstruct loops of perception / action adapted to the contribution. That is how the display devices of the contribution will stimulate or inhibit the contribution? What is their function to mirror? Those are the issues raised by our collaboration with the laboratory of Aviz INRI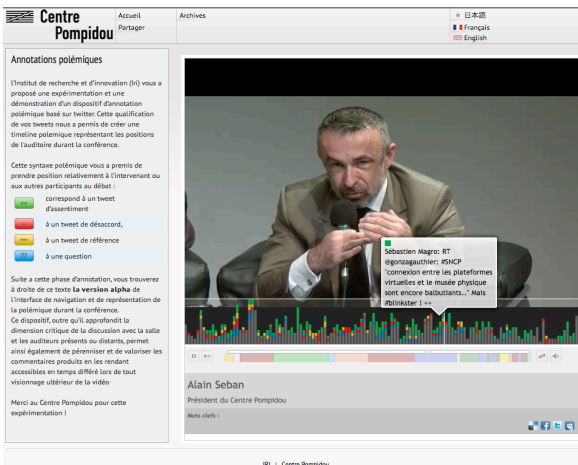A under the thesis of Samuel Cifre Huron, issues also addressed by Raphael Velt recently arrived at IRI as head of development tools with which we experience.
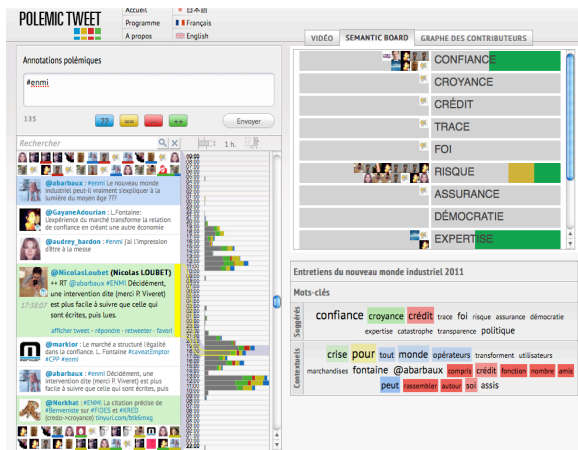
Display volumes of tweets and their controversial positions in real time during an event (Raphael Velt, Samuel Huron
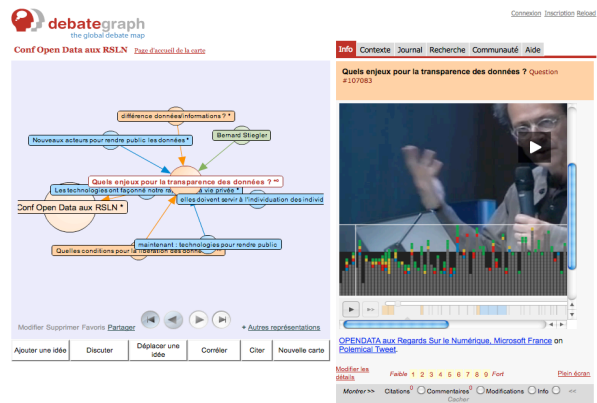

Model Debategraph

Instrumentation after the event of public participation in order to navigate in the video (Samuel Huron, Raphael Velt,)

Model Storify

The first of these devices that we have experienced in many contexts (Perspectives on the Microsoft Digital, Todai Forum (October 2011), Talks New Industrial World (December 2011)) is the system polemictweet,which, in a typed interface tweeting (using a simple syntax to join, oppose, or to refer a question) to enrich the event record is gradually moving towards a tool for public debate, a mirror of real-time issues semantic debate, or a way to take in terms editorial contributions synchronized recording (model Storify to write an account of the event by including some tweets or Debate Graph model to build mind maps or topic maps associated with recording).

A first step towards this type of device was achieved with thesystem, Bubble-T the winner of the presidential elections for Google, which offers a mirror of political debates on tweeter by extracting and visualizing Keyword greatest. For Bubble-T view the use of the word immigration in the tweets of Nicolas Sarkozy and François Hollande is immediately stimulating discussions.
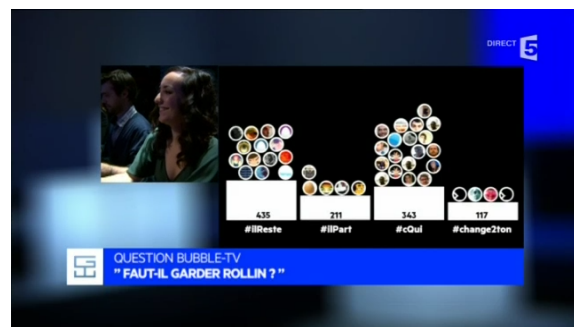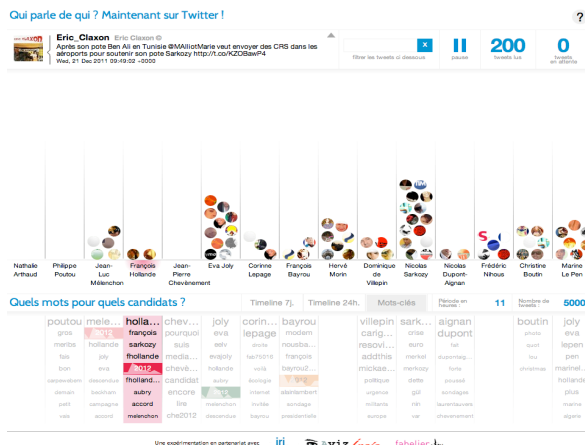
Adapted from Bubble T Bubble TV deployment in collaboration with teams from France Televisions was intended to accompany the debate on the issue of France 5 (The Grand Webzé, Friday, February 24,2012), which allowed for testing the contribution to large scale, opening new channels of viewing (and editorial content).

Bubble TV

This development led by Samuel Huron as part of his thesis with Inria / Aviz is conducted in close collaboration with the ANR Eulalie but found land application in several other projects of iri. It has been used successfully for Industrial Talks New World in 2010 and then to Clay Shirky's conference in January 2011 at Microsoft. It is planned to deploy the device at the upcoming conference and test it on live broadcasts on radio or television.

3 – Design Workshops Metadata

Directly in line with the problem of data visualization and of gesture interaction, Metadata Design workshops held for the first year with the Strate College and Ensci and engineering schools (ESILV and ECP), are to make designers work with engineers to prototype devices pulling advantage of the precise management of metadata and testing loops sensorimotor original.

Project Cult of Alexandre Bastien (ESILV),
Malik Fouque (Strate College),
Jean Raphael Yeah (Strate College),
Julian Riquel (Strate College)

In 2011, the theme was centered collaborative video annotation. Students ENSCI have made five prospective projects and services and devices and from Strate College students have made two prototypes using Microsoft Kinect, with the

participation of engineering students from the ESILV. Student work were presented at the Centre Pompidou during the Futur en Seine Festival.

The Project Ragotards Stephanie Souan

4 – Production Project:IDILL

The IDILL project, funded by the DGCA (Directorate General of Artistic Creation) aims to develop a prototype contactless interface for browsing and searching a corpus of gestures in film dance. In collaboration with Thierry De Mey for the definition of gestural grammar, the project relies on the corpus of the 2011 selection of dance film festival IDILL.

5 – Project Preparation: Enactive TV

This project coordinated by the companies and Nagra was Joshfire presented to the call loan Grand (of Cash Deposits) on digital content technologies (Call 2). It also combines the companies France Télévision, and Yacast Voxler, and five research organizations: IRI, Liris, Strate College, Costech / UTC, Ecole de l'Image in Angoulême and Institut Telecom. It will continue the work between the Institute and iri Telecom on video annotation tools and the project's Finger Dance Insider with Microsoft and Strate College Designers on annotating gestures of dance films and extend to other content within

the context of the connected TV (Strate College project on business applications in 2010 and on urban applications in 2011).

*Tagging gestuel sur films de danse développé sur tablette
tactile Microsoft*

VI – Publications and seminars

Publications (Articles , chapter books, etc..)

(Archat, 2011a), *What the school to film. Challenges of art education in primary school and college,* draft publication of the thesis by Presses Universitaires de Rennes, Collection "Paideia - education, knowledge society".

(Archat, 2011c), *A numerical tool Educational film, what activities, what learning? "Book of Wings of Desire*

(Monnin, 2011a), Proceedings of the Workshop" Philosophy and Engineering "(IC 2011), *Bulletin of the French Association for Artificial Intelligence*(AFIA), No. 173 (ISSN 1273 -1323).

(Monnin, 2011b), Introduction to the French translation of the book of Christian Bizer and Tom Heath, *Linked Data: Evolving the Web Into a Global Data Space*(forthcoming in 2012).

(Monnin, 2011c), The Web engineering and philosophy. Engineering issues, questions for the philosopher, Introduction to*Proceedings of the Engineering and Philosophy: the formal face of history, technology and*materiality,IC 2011, Chambery, France.

(Monnin, 2011d), The resource ontology and the Web, in *Proceedings of the workshop and*

*Engineering Philosophy: the formal face of history, technology and*materiality, IC 2011, Chambery, France. (Forthcoming in 2014 in a special issue of the journal *Intellectica* A.Monnin led by Gunnar and Declerck).

(Monnin, 2011th), *(keynote)* The engineering philosophy: an attempt to revive the pact apophantic?, In*Proceedings of Workshop Engineering and Philosophy: the formal face of history, technology and*materiality,IC 2011, Chambery, France.

(Puig, Prié, 2011) Build and share methods of active perception of movies annotated Figures of the interactivity (EESI publication forthcoming 2012)

(Puig, 2011) communication, contribution, cooperation: technological criteria that distinguish these three phases based individuation (forthcoming, Bnf Editions in 2012)

International conferences with submission of abstract

(Monnin, 2011f) "Philosophy of the Web as artifactualization" IACAP 2011: First International Meeting, The Computational Turn: Past, Presents, Futures?, Aarhus University, Aarhus, Denmark. Second author: Harry Halpin, University of Edinburgh / W3C.

(Huron et al. 2011) "*Polemicalvideo annotation* by Twitter." ESCW 2011: Extended Semantic Web Conference 2011, Making sense of mircropost, Heraklion,

National and international conferences

(Puig, L'Hour, 2011) Towards new tools for *Digital* Studies:Example of a platform for collaborative annotation of video used for the analysis of creativity, the Digital Anthropology seminar, Lyon II

Study days, workshops and seminars

(Archat, 2011d) Education at the cinema in the digital environment: a question of ambition and learning, Fourth Congress of the French Sociological Association, Grenoble, July 5 to 8, 2011

(Monnin, 2011g), "The Web and its architecture: For a philosophical critique of the notion of use. "Session entitled:" Logic of use and redocumentarisation "Methodological Workshops legal deposit of web Ina.

(Monnin, 2011h)," The Web resource: dialectics of change and permanence, and emergence of new spaces Web. "The fourth annual cycle of the Workshop PRATIC: spatialities and temporalities of WEB, Goblins, school image, Paris, France.

(Monnin, 2011i)," The Web: outsourcing, networking and socializing objects of knowledge, "New practices and cultures of digital science and technology, Interdisciplinary Center for the Study of Evolution of Ideas, Science and Technology (CIEEIST), Université Paris-Sud 11.

(Monnin, 2011j) , "Philosophy of the Web as artifactualization" PPIG: Philosophy, Psychology, and Informatics Reading Group, University of Edinburgh.

(Monnin, 2011k), "Words and things at the time of the Web: URIs, tags, folksonomies and ontologies, "The reasons classificatory, CERHIO Seminar axis ALMA, House of Human Sciences, University of Angers.

(Monnin, 2011l)," Philosophy of the Web as artifactualization philosophical and engineering, "Consolidating networks of excellence - Montpellier WebScience Meetup, LIRMM, Montpellier.

(Monnin, 2011m), "Overview of Web data: URIs and the importance of trust", Workshop Semantic Web and Sustainable Development, Cooperation and Development sector of ADBS, UNESCO, Paris.

Other publications

(Monnin, 2011n), "What is the Semantic Web? "C / blog, The Blog of Culture and Digital, Ministry of Culture and Communication
[http://cblog.culture.fr/ 2011/09/07/web-semantique-iri-opendat]

Public Presentations

January 24, School of the image of the Gobelins, the Observatory Digital Worlds in Social Sciences, CineCast project presentation in the presentation of the dynamic contribution (A. Monnin)

January 28, City of Science: Living THD, presentation of CineCast project in the session on tagging (V. Puig, A. Monnin)

January 31, the first system test contribution of audiovisual stream by a tweeter, Clay Shirky conference, Perspectives on the Digital, Microsoft France

February 1, Cap Digital, CineCast project presentation, plenary session of the Community Culture, Media and Press Cap Digital (V. Puig)

February 4, Hulst High School, Paris7th, presentation of analytical work on the film The Circle Red Melville by students supervised by The Terminal C. Archat, Marta Cavalié Boni and Thibaut (iri) and Amaury Belin (Liris). Extract the session visible:
http://www.iri.centrepompidou.fr/pedagogie/

February 24, Ministry of Culture / drest, presenting the results of experiments conducted by Vodkaster and iri the platform MoviePedia (Encyclopedia film for teachers) (Puig V., Boni, C. Barthet)

February 25, Bnf, CineCast Project presentation to the European Commission as a possible testing ground for new uses within the Living Lab iMatériel Lab founded by the society with iri iMarginal, the BnF and the Pompidou Centre on Mobility and contribution in Museums

March 8, Room Piazza - Centre Pompidou, CineCast presentation as part of a meeting of the High Council Arts Education and Cultural (V. Puig, B. Stiegler, discussion with Lawrence Rowan, MyScreen, invited to the meeting)

March 29, The Laboratory, presentation at a conference on the contribution of devices on the video (V. Puig)

April 1, jday training Urfist Paris-Ecole Nationale des Chartes, "From Tagging to Semantic Web, theoretical foundations and overview of new knowledge organization systems", Urfist of Paris (8h) (A. Monnin).

April 4, day training at the University of Nancy, "From Tagging to Semantic Web, theoretical foundations and overview of new knowledge organization systems" (6h) (A. Monnin).

April 28, MSH Paris Nord, THD Symposium, evocation of the project in the conference on the impacts of THD including the Cinema (V. Puig, YM L'Hour)

April 29, Atelier Web Legal Deposit of Ina, evocation of the project in the presentation of Alexandre Monnin on the philosophical stakes of the Web

May 10, iri, Review of educational scenarios of the film education and film by students of Master Teaching Film Paris three boxes by C. Archat (iri) (V. Puig, C. Archat, Th Cavalié).
Recordings
http://web.iri.centrepompidou.fr/fonds/seminaires/regardssignes

May 26, Centre Pompidou, Evocation of the project B. Stiegler, in the conference on Virtual Centre Pompidou. Registration available on
http://web.iri.centrepompidou.fr/ fonds/seminaires

June 16, INA Sup, Presentation of the project as part of a course on the new practices of the video (V. Puig)

June 18, Centre Pompidou, a Metadata Design, Student Projects ENSCI and Strate College of video annotation. See program
http://www.iri.centrepompidou.fr
General public presentation.

June 21 Piazza Room - Centre Pompidou, 2 Metadata Design, Student Projects ENSCI and Strate College of video annotation. See program.
http://www.iri.centrepompidou.fr Presentation for professionals.

June 24, Forum des Images Using the annotation system for iri twitter Conferences of Mashup Festival (creations and remix films and videos by amateurs)

June 29, iri, assessment workshops conducted this year in primary schools and colleges partners iri (4 institutions present, presentation workshops conducted this year by the Forum des Images G. Gambini). (Archat C., V. Puig, Th Cavalié)

September 1, Cap Digital, oral presentation of the project during breakfast organized audiovisual creation with Galileo Club (Pierre Chazal).

September 28, interviews for the newspaper Cape Digital. Participants: V. Puig (iri), L. Lemeur (Allo Ciné), C. Barthet (Vodkaster).

September 29, one day training to Urfist Lyon, Université Lyon 1, "From Tagging to Semantic Web, theoretical foundations and overview of new knowledge organization systems" (6h) (A . Monnin).

October 12, presented in a conference CineCast V. Puig at the Polytechnic School, Aristotle network, title: Web 2.0, help is not working.

October 19, presentations of iri (Stiegler, Puig, Huron) on the occasion of the conference Humanitas digitals to CBAC Barcelona.

October 17, presentation of the project by V. Puig in a course at HEC

October 19, Radio 2.0 day, organized in collaboration with Cap Digital, Orange Labs, Issy les Moulineaux

October 26, the contribution of economics and economic development, conference V. puig at the French Institute of Madagascar

November 25, Conference V. Puig on ANR TicTac Anthropology of Digital Symposium, Lyon II

December 5, project presentation by V. Puig in an audiovisual training to the CEPF

December 6, Stand CineCast Cap Digital to Dating, Metadata player demo with annotation controversy over the film The Class, making a poster.

December 9: Conference V. Puig Ina (Workshop Web legal deposit), presentation tools CineCast, Polemictweet, Metadata player.

VII - TEAM in 2011

Bernard Stiegler, Director
Vincent Puig, Deputy Director
Florence Duc, Administrative Officer

R & D TEAM

Caroline Archat, Experimentation
Thibaut Cavalié, Project time lines
Yves-Marie Haussonne, Technical
Samuel Huron, design and data representation
Yves-Marie L'Hour, Editorial
Alexandre Monnin, Web Search and Metadata Manager
Nicolas Sauret, project manager Eulalie
Raphael Velt, Dev. Data visualization

Julia Anaya, Research Engineer
Takuya Abe, Visiting Researcher
Harry Halpin, Visiting
Yuk Hui, Visiting Scholar

Trainees
Karim Hamidou (UTC)
Stéphane Hélias (INTD)
Jacques Verrier (UTC)
Diane Wakim (UTC)

Authors Book on social networks
Olivier Auber
Christian Fauré
Alexander R. Galloway
Annie Gentès
Richard Harper
François Huguet
Antoine Masson
Alain Mille
Yann Moulier-Boutang
Kieron O'Hara
Elizabeth Rossé

PRINCIPAL INVESTIGATORS AND RESIDENTS
in collaboration with iri in 2011

Takuya Abe, Visiting Researcher, Univ. Tokyo
Noam Assayag, literature
Amaury Belin, student, researcher, LIRIS
Marta Boni, Master Student Cinema, Paris III
Jean-Louis Comolli, director, film critic
Mathieu Détaint, photographer, Flammable
Christian Guyard, Production, designer,
Armen Khatchatourov, philosopher, UTC
Olivier Landau, Sofrecom
François Pachet, CSL Research Director
Patricia Ribaut, philosopher, Paris 1

Olivier Aubert (Liris)
Michel Aubouy (Leti, TicTac)
Florent Barbare (Netia, Cinecast)
Valérie Beaudouin (Institut Télecom)
Bertrand Delezoide (CEA, Periplus)
Thierry de Mey (Charleroi Danse)
Olivier Fournout (Institut Telecom)
Emeline Lechaux (ethnomusicologue, EHESS)
Laurent Lemeur (Screenrush)
Alice Leroy (Un. Aix en Provence)
Sylvie Lindeperg (Paris 1)
Marie Pierre (Paris 1)
Yannick Prié (Liris)
Orly Reine (Paris 1)
Bertrand Sajus (Min. culture, HDA)
India Verrès (Paris 1)