



FP6 NAVSHP Projects: Summary, progress and research activities (1/2)

COHERENT

Summary. The objective is to create a new networked holographic audio-visual platform to support real-time collaborative 3D interaction between geographically distributed teams. The design of the basic networked audiovisual components will be driven by two innovative demanding applications – a collaborative medical visualisation system and a collaborative design review system for the automotive industry.

Contact information: Tibor Balogh - E-mail: t.balogh@holografika.com

ENTHRONE

Summary. The ENTHRONE project proposes an integrated management solution which covers an entire audio-visual service distribution chain, including content generation and protection, distribution across networks and reception at user terminals. Therefore it does not focus on any part of the AV chain especially, but it tries to intervene in every part of it.

Progress. Three meetings (the kick-off meeting and two plenary ones) have been held up to now. The results obtained are the deliverable under WP2 D01 'Overall system requirements and functional architecture specification', which was completed at March, and the deliverables D02 'Overall data model and interfaces definition' (based on MPEG-21 standards) and D34 'Market Trends of the Digital Distribution Market' (looking at the key market trends which drive the growth of that market), which were completed at April.

Dissemination & Research Activities. 68th MPEG meeting, Munich. Enthrone was present at the 68th MPEG meeting held in Munich on March 15-19 2004. The Intellectual Property Management and Protection Extensions work in MPEG-2 and MPEG-4 and the corresponding reference software and conformance tests were completed at this meeting.

Contact information: Olimpiu Negru - E-mail: olimpiu.negru@thales-bm.com

MEDIANET

Summary. MEDIANET is about media content exchanges in digital networks. Targeting multimedia communications and A/V content distribution services for residential markets, it addresses new possible supply chain architectures and cooperation schemes between content owners, service providers, network service providers, and personal computer and consumer electronics equipment manufacturers.

Dissemination & Research Activities. Handled by Cerna Research Centre from Ecole des Mines based in Paris will bring to the partners of MediaNet and guests an economic perspective based on the recognition of the specific economic rationale of content creation and distribution. This seminar will take place on 14 June 2004 at the Fraunhofer Institute for Telecommunications in Berlin, where the next Medianet meeting will be held also on 15-16 June.

Contact information: Serge Travert - E-mail: serge.travert@thomson.net

MHP-KDB

Summary. The MHP-KDB project will deal with one of the most pressing issues in the field of digital interactive television: the harmonised usage and implementation of DVB-MHP (Multimedia Home Platform) by establishing, for all MHP-related issues, a single "point of call" (the MHP Knowledge Data Base, or short: MHP-KDB) for know-how and best practice solutions to all companies and organisations active in this field.

Contact information: Klaus Merkel - E-mail: merkel@irt.de

FP6 NAVSHP Projects Portfolio

IP

(Integrated Projects)

- ENTHRONE
- EPERSPACE
- INSTINCT
- MEDIANET
- PULSERS

NoE

(Networks of Excellence)

- E-NEXT
- VISNET

STREP

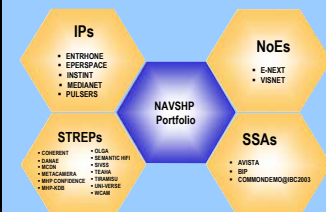
(Specific Targeted REsearch Projects)

- COHERENT
- DANAE
- MCDN
- METACAMERA
- MHP-CONFIDENCE
- MHP-KDB
- OLGA
- SEMANTIC HIFI
- SIVSS
- TEAHA
- TIRAMISU
- UNI-VERSE
- WCAM

SSA

(Specific Support Actions)

- AVISTA
- BIP
- COMMONDEMO@IBC2003





FP6 NAVSHP Projects:

Summary, progress and research activities (2/2)

PULSERS

Summary. Pulsers will contribute to the IST vision "Optimally Connected Anywhere, Anytime". This will be accomplished by scientific investigations and the innovative development of short-range wireless systems and architectures based on ultra-wideband radio technology (UWB-RT). UWB-RT is thought to be the solution for problems concerning current wireless technologies: limited spectral resources, missing functional features, high power consumption and cost. In conclusion this project will contribute on deduction of requirements on qualitative and quantitative PHY and MAC specifications, PHY and MAC performance evaluation, extension and/or application of UWB-SISO channel characterisation and measurements and analysis of aggregate interference and coexistence of UWB devices

Contact information: Gert Kreiselmeier - E-mail: G.Kreiselmeier@t-online.de

TEAHA

Summary. The European Application Home Alliance (TEAHA) addresses networked home control applications and their complementarities to A/V networked applications. Its objective is to work with the A/V world to specify an open, secure, interoperable and seamless global home platform.

Progress. Submission of the document D1.1 "TEAHA Requirements for seamless interworking" under WP1, which paves the way to advance over the state of the art in the following two directions: seamless interworking and service delivery. Regarding WP2 tasks reports on "Laboratory & Functional Tests" and "State of the Art RF Technology Report" has been released for review by WP2 Members, and activities from D2.1 "Report on RF solutions and improvement" and D2.2 "Requirements and specs for RF" like application specs, application tests, review of state of the art and technologies, RF requirements, RF specifications, laboratory tests or functional test are ongoing. Finally the newsletter and the web site are remarkable activities under WP7.

Contact information: Enrique Mendiña - E-mail: efmm@tid.es

TIRAMISU

Summary. The TIRAMISU project addresses the problem of creation, delivery and consumption of audio-visual media across a wide range of hybrid networks and platforms, where security issues, such as intellectual property rights protection, privacy, access rights and transaction tracing are of major concern.

Progress. The deliverable D1.1 "User Requirements and Usage Scenarios" under WP1 has been completed. The activity on "technology state-of-the art monitoring" yielded first results, which were included in an internal document produced by WP2. Concerning WP2 the first milestone has been reached: it has been produced a first version of the framework design document, including a content flow analysis; it also has been published (internally and to the NAVSHP-DRM reflector) a document on "DRM Requirements". Finally, regarding WP3 there has been work on the design of a content creation platform, producing several drafts.

Dissemination & Research Activities. There some activities which must be highlighted: a press release at the project launch, a public web site (<http://www.tiramisu-project.org/>), a lecture of TIRAMISU Manager on DRM requirements in the 1st DMP meeting, and a presentation of DRM concepts and TIRAMISU goals at the Euro India event (03/2004) in New Delhi.

Contact information: Zvi Lifshitz - E-mail: zvif@zvif.com

WCAM

Summary. The WCAM project will study, develop and validate a wireless (WLAN) seamless and secured end-to-end networked audio-visual system focused on the technology convergence between video surveillance and multimedia distribution over the Internet.

Progress. The first output of the project is the State-of-the-art / Multimedia and video surveillance convergence report that will be publicly available on the project dedicated web site. WCAM is currently making progress in the system specifications, and some of the critical developments such as the MPEG-4 AVC software encoder have already started.

Contact information: Didier Nicholson - E-mail: didier.nicholson@fr.thalesgroup.com

FP6 NAVSHP Projects

AVISTA

Audiovisual Systems and Home Platforms Specific Support Action

BIP

Boosting the International Profile of IST projects in the "Networked Audiovisual Systems & Home Platform" field to capitalize on and exploit result

COHERENT

Collaborative Holographic Environments for Networked Tasks

DANAE

Dynamic and Distributed Adaptation of scalable multimedia conteNt in a context-Aware Environment

E-NEXT

Emerging Networking Experiments and Technologies

ENTHRONE

End-to-End QoS through Integrated Management of Content, Networks and Terminals

EPERSPACE

Towards the era of personal services at home and everywhere

INSTINCT

IP-based Networks, Services and Terminals for Convergence Systems

MCDN

Multimedia Content Discovery and Delivery

MEDIANET

Multimedia Networking

METACAMERA

Metadata enhanced digital camera with universal format for multiple D-film, E-cinema and broadcast applications

MHP-CONFIDENCE

MHP Conformance Testing Improvement by Development of New Conformance Tests in Europe

MHP-KDB

The MHP Knowledge Project

OLGA

A Unified Scalable Framework for On-Line Gaming

PULSERS

Pervasive Ultra-wideband Low Spectral Energy Radio Systems

SEMANTIC-HIFI

Browsing, listening, interacting, performing, sharing on future HIFI systems

SIVSS

Scaleable Intelligent Video Server System

TEAHA

The European Application Home Alliance

TIRAMISU

The Innovative Rights and Access Management Interplatform SolUtion

UNI-VERSE

A Distributed Interactive Audio-Visual Virtual Reality System

VISNET

Networked audiovisual media technologies

WCAM

Wireless Cameras and audio-visual seamless networking



NAVSHP New Media Council

Within the scope of the preliminary discussions towards the definition of the Seventh Framework Programme, which are taking place currently, the Technology Platform appears as a mechanism to empower the Research and Development activities within the Networked Audiovisual Systems and Home Platforms strategic objective. A working group made up by European Commission and Member States is discussing the shape of the FP7 and the ways Technology Platforms should contribute to enhance the European efforts in the R+D arena.

In this context, the High Level Experts Committee (New Media Council) created by the AVISTA project to assist FP6 workprogramme implementation is now exploring the feasibility and benefits of a Technology Platform in the area of New Media. Meetings of the New Media Council Technology Platform group have taken place in Brussels on 12th March and 5th May. A working intermediate meeting is scheduled for 7th June in Barcelona and a key meeting is planned for 15th September, when a more solid decision on the viability of a Technology Platform in this area will be taken.

AVISTA project has invited about 60 key experts to assist on the definition of the New Media Council Technology Platform, provisionally called EUROPEAN NEW MEDIA INITIATIVE. FP6 constituency is strongly invited to actively participate in the discussions to vision the strategic aspects of the New Media environment by 2015. Details on the work in progress can be freely consulted at <http://www.rose.es/newmediacouncil>.

Currently, a number of key themes have been identified as convenient for deeper analysis: DRM, Metadata, Value Chain, Architectures, Air interfaces, Convergence, Quality of Service, International cooperation. Each theme is led by a Convenor cooperating in the promotion of an open debate on these relevant aspects.



David Wood
N2MC Chairman

THE NAVSHP NEW MEDIA COUNCIL

1. Follow-on of the N2MC Preparatory Meeting – March 12th.

The Preparatory Meeting of the N2MC, organized by AVISTA project, was held in Brussels on March 12th. The meeting was attended by 27 experts from the different stakeholders of the NAVSHP fields, the European Commission and the AVISTA members. The objectives of the meeting were:

- To introduce the Sixth Framework Programme and the NAVSHP
- To explore some FP6 projects in detail, as examples of on-going R+D efforts in the FP6
- To discuss the concept and function of a Technology Platform (TP)
- To evaluate the possibility of establishing a European Technology Platform for NAVSHP
- To explore the objectives and organization of that potential NAVSHP TP
- To decide who should be invited to participate
- To plan the timetable for the potential establishment of the TP
- To define further works for the NMC as a Technology Platform
- To plan future meetings for the NAVSHP New Media Council

At the meeting, the Commission explained the developing pattern of "Technology Platforms", and the general basis for a potential platform in our area of New Media.

Though recognising the daunting size of the task, those present all thought it could be viable and useful for Europe to create a "Technology Platform" for the New Media area, and the experts suggested that they wished to move toward clarifying the tasks and scope of a Technology Platform.

The meeting minutes as well as copies of the presentations made at the meeting could be found at the AVISTA site: <http://www.rose.es/newmediacouncil>.

2. Follow-on of the N2MC Progress Meeting – May 5th.

The Progress Meeting of the N2MC, organized by AVISTA project, was held in Brussels on May 5th. This meeting was attended by 41 experts. The objectives of the meeting were:

- To further explore the interest from stakeholders on a NAVSHP Technology Platform (TP) and accordingly, define the objectives and organization of the potential NAVSHP TP: Framework definition and Draft Terms of Reference
- To decide who should participate
- To set up the workplan towards the European TP
- To plan the timetable for the first steps of the TP

Aiming at provoking a definitive finding with respect to the establishment of a private-public partnership around a NAVSHP Technology Platform, a short term work-plan was agreed, which should result in a definitive decision to be taken at the next meeting of the N2MC (September 2004). Three Working Groups and eight Themes were defined and their convenors proposed.

The meeting minutes as well as copies of the presentations made at the meeting could be found at the AVISTA site: <http://www.rose.es/newmediacouncil>.

NAVSHP New Media Council Structure

- **Chairman:** Mr. David Wood
- **Secretariat:** AVISTA and BIP
- **Principal Strategic Advisors:**
 - Leonardo Chiariglione
 - Richard Nicol
 - Jean Gelissen
- **Strategic Advisors:** a number of relevant individuals related to the industry, standardization and policy fields.





The BIP Project

The 1st EU-China cooperation workshop on Home networks and platforms successfully held in Beijing on April 27, 2004

Within the frame of the BIP project, the 1st EU-China cooperation workshop on Home networks and platforms has been organised in Beijing on April 27, 2004, on behalf of the European Commission and with the support of the Chinese Ministry of Science and Technology. Over 70 European and Chinese delegates attended this event, which included presentations from partners of IST projects of the D2 Unit portfolio and presentations from leading Chinese companies and research laboratories. During the wrap-up session, many attendees shared the feeling that quite significant cooperation opportunities exist between EU and China in this field, which, even if being in a very early emerging period in China, is expected to quickly develop in the next years. On April 26, European delegates had been invited to visit laboratories of the Tsinghua University (probably the most prestigious Chinese University) and Lenovo (ex-Legend) headquarters, two organisations actively involved in home networking standardisation. A 2nd EU-China cooperation workshop on Home networks and platforms (possibly addressing the whole NAVSHP field) might be organised in 2005 to build upon the interesting outputs of the 2004 event. Details on event outputs can be found on the www.IST-BIP.org web site. Full details (attendee list, all presentations in pdf format, report from the BIP team), restricted to European organisations, therefore not posted on the BIP web site, can be obtained from info@IST-BIP.org

Important IST presence expected at Net-atHome2004: Mark your calendar!

An important IST presence is expected at Net-atHome2004, similar to the ones experienced at Net-atHome2002 and Net-atHome2003. In the frame of the BIP project, all projects of the D2 Unit portfolio are invited to actively take part to Net-atHome (see www.Net-atHome.com), the largest conference and exhibition in Europe devoted to home networks and gateways, connected appliances and integrated services to the home. Net-atHome2004 will take place on December 1 & 2 in Nice (France). IST projects of the D2 portfolio can benefit from free of charge conference passes and free of charge exhibition booths. In order to maximise their stay in Nice, they are invited to a Concertation meeting on December 3 (organised in close liaison with the AVISTA project) and are suggested to organise Consortium meetings on November 30. For detailed information, please contact info@IST-BIP.org

Karine Valin
BIP Project Coordinator

CONCERTATION



1. Follow-on of March 11th Concertation Meeting.

The first Concertation Meeting within the FP6 era was held in Brussels on March 11th – 2004, organized by AVISTA Project in association with the European Commission D2 Unit and supported by BIP Project. The main goals pursued with this NAVSHP Concertation Meeting were the following:

- To provide general information from the European Commission.
- Election of the Concertation process chairmanship.
- Presentation of the draft overall NAVSHP projects portfolio analysis.
- Brief on the launch of the NAVSHP New Media Council.
- Presentation of the draft concertation structure of NAVSHP and working procedures.
- Presentation of the EU-China workshop on in-home networks and platforms.
- Information to projects about newsletter and website facilities.
- Definition of Coordination Groups (CGs).
- Election of chairmanships for the Coordination Groups.
- First sessions for the 3 first Coordination Groups.
- To define further Concertation work.
- To inform about upcoming conferences, exhibitions and demonstrations.
- To plan future meetings and venues.

The work of the 3 Coordination Groups was defined and inputs from projects were required. The CG sessions were chaired by:

- Leonardo Chiariglione: CG-1 (Digital Rights Management).
- Denis Abraham and David Hutchison: CG-2 (End to end Quality of Service in a convergent environment).
- Roger Torrenti: CG-3 (In-home networks and platforms).

The meeting minutes as well as copies of the presentations made at the meeting could be found at the AVISTA site: <http://www.rose.es/navshp/concertation.htm>.

2. Objectives of June 7th-8th Concertation Meeting.

The next Concertation Meeting will take place in Barcelona on 7th and 8th June, 2004. This meeting will be organised by AVISTA Project in cooperation with Telefónica I+D as hoster. The main objectives planned to this meeting are the following:

- Presentation of the NAVSHP projects portfolio analysis.
- To inform about the potential launch of the European Technology Platform.
- Discussion of the 3 Coordination Groups.
- Exchange of views among projects.
- To define future Concertation activities.
- To plan how to be active in the participation on events, conferences, exhibitions and demonstrations.
- To propose future meetings and venues.

The meeting minutes as well as copies of the presentations will be uploaded to the AVISTA website: <http://www.rose.es/navshp/concertation.htm>.





Relevant Events and Conferences

The following events and conferences have been identified as relevant to the Audiovisual Systems and Home Platforms Strategic Objective:

- e-Next Summer School.
Tampere, Finland
June 14-16, 2004
<http://www.ist-e-next.net/>
- Broadcast Asia.
Singapore
June 15-18, 2004
<http://www.broadcast-asia.com/>
- IBC 2004/5.
Amsterdam, The Netherlands
September 9-14, 2004
<http://www.ibc.org/>
- IST 2004 Exhibition
The Hague, The Netherlands
November 15-17, 2004
http://europa.eu.int/information_society/istevent/2004/exhibition/index_en.htm
- MIPS 2004 – International Workshop on Multimedia Interactive Protocols and Systems.
Grenoble, France
November 16-19, 2004
<http://mips2004.imag.fr/>
- Net-atHome 2004: your gateways to the markets
Nice, France
November 30 – December 3, 2004
<http://www.Net-atHome.com>
- IFA 2005.
Berlin, Germany
September 2-7, 2005
<http://www.ifa-berlin.de>

All projects interested in participating as exhibitors in some of these events (or any other one not included here) please contact to AVISTA project in order to select the most appropriate events as well as to coordinate their exhibitions as far as possible.

Of interest to NAVSHP

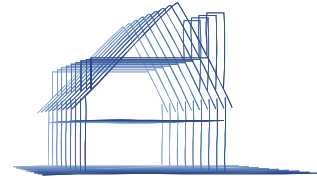
An Introduction to TAHI

The Application Home Initiative (TAHI) was created in 2002 with the mission to "accelerate the adoption of applications and services by networked home-based users". It is a Limited Company that is owned and funded by its (currently 35) members that are organisations drawn from Industry and Academia. It is open for any company world wide to join provided they share its mission and conform to its rules.

TAHI is working to achieve its mission in two main areas.

It has worked with the UK Government to create two trial programmes (supported with UK Government funds) that have projects to (1) understand and demonstrate how home based equipment may be managed and maintained remotely and (2) understand how multiple services may be delivered to end users through common systems and portals. Both these projects are funded under the UK Government's Next Wave Technologies and Markets Programme and are now reaching a multiple home demonstration phase.

It uses its members' funds to provide a range of services and carry out general work through defined working groups. Of interest is the Market Intelligence Group that provides TAHI Members with market information in the area of SmartHouses, Services and Information to the Home and technological advances. This Group also has a Modelling Sub Group that is working to develop a methodology and models for evaluating the values of services to end-users.



It is building models for single services, multiple services and for evaluating the consumers' value of services, the value of any particular service in a bundle of services and the added value of delivering services in a bundle in terms of utilising common communications, systems and interfaces. The other main group is the Technical Working Group. This group is developing the TAHI Open Architecture as a methodology for enabling the delivery of services independently of the underlying technologies in the service delivery value chain. This group is already liaising with the TEAHA Project.

TAHI is also active in Europe. Through Advantica, TAHI is involved in TEAHA, several members of the TWG are involved in the CENELEC SmartHouse Code of Practice and TAHI Members are involved in the NAVSHP New Media Council (N2MC) that is planning the European New Media Initiative (ENMI). The TAHI Board and its Members believe that the concepts and methodologies it is developing are of value throughout Europe and are keen to develop these ideals further in conjunction with European partners and projects.

TAHI is dedicated to growing the market for services and applications of all kinds delivered to all the citizens of Europe.

For more information:

<http://www.theapplicationhome.com>

Contributions to NAVSHP Newsletter

This is the No.1 of the NAVSHP Newsletter, elaborated by AVISTA project and supported by BIP project. We remind we would like you to bear in mind that your feedback is very relevant to us.

Please, feel free to consider this Newsletter as a means to disseminate your project's news and results. If your project has any ideas or suggestions about the structure, content or look of this Newsletter, they will be very welcome. Do not hesitate to contact us.

Our sincere greetings to the projects for their collaboration.

We would be delighted to contribute to the success of your project.

Dr. Julián Seseña on behalf of the AVISTA Project Team.

avista@rose.es

<http://www.rose.es/navshp>

