



VAN

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Virtual Automation Networks

Work Package 10
Exploitation and Dissemination

Task 10.1
Information Dissemination

Deliverable 10.1-2 V2
Plan for using and disseminating knowledge

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Executive summary

This deliverable belongs to task 10.1 “Information Dissemination”, from work package 10, “Exploitation and Dissemination”.

This is the second “Plan for using and disseminating knowledge” for VAN project and describes both past dissemination activities from the last six months and the foreseen ones from now to September next year. The previous version of the current document [D10.1-2 V1] describes the approach taken for dissemination, as well as the strategy followed.

This deliverable is structured in six chapters and two appendixes. The first chapter is an introduction describing VAN vision. The second chapter includes the accomplished dissemination actions having taken place from March 2006, after the previous plan for using and disseminating knowledge. Progress of the project regarding achieved deliverables is also included. The third chapter is structured in the same way as chapter two, but introduces future dissemination actions planned for the next twelve months. Only deliverables for the next six months are included [DoW05] because the following ones will be approved at the next project review (October 2006). The fourth chapter deals with the description of novelties related to VAN channels and tools. The fifth chapter shows the first results obtained from the assessment procedure described in the first version of this deliverable [D10.1-2 V1]. Assessment results have been presented in a graphical way for a clear and better understanding. Finally, chapter six includes a set of conclusions from the report.

Two appendixes are included at the end with information collected from VAN partners regarding the assessment procedure and the dissemination events.

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1 Introduction

One year after the start of the project, the first steps towards passive dissemination have been taken. The concept "Passive Dissemination" was introduced in the first version of this deliverable [D10.1-2 V1]. It refers to those events that are not organized by VAN members, but are used to show the project results to the audience. These events are typically: conferences, congresses, etc., and the web site.

"Active Dissemination", on the other hand, comprises events organized by members of the consortium with the same purpose: dissemination of VAN results to the desired audience. Task 10.3, Establishment of European Competence Group, has started recently, on July, and is strongly related to this kind of dissemination activities.

1.1 VAN vision

To strengthen European leadership in industrial communication and automation, the vision of VAN is an open universal, seamless multivendor networking solution which is able to link worldwide components in process and factory automation from the single sensor in one factory plant to remote machinery in de-centralized enterprises/sites.

VAN's interoperable communication can be realized via fieldbuses, office networks and even the public communication infrastructure - wired or wireless. Core of this approach is PROFINET, enlarged by web-services and other IT based technologies to enable VAN's all-embracing communication approach.

By means of a common engineering model the user may not see the single building blocks of the underlying communication infrastructure and regards the whole network as a homogeneous system.

To realize this totally new concept, the VAN solution provides scalable real-time, safety and security strategies, needed to meet QoS requirements over the whole Virtual Automation Network, necessary in automation-science and -practice.

2 Accomplished dissemination

2.1 Past events

From months 7 to 12, that is, from March 2006 to August 2006, VAN members have participated in a number of events. The most remarkable ones are included in the following table.

Short name	Full name	Date
VDI Workshop	VDI-Workshop "Radio Communication in industrial Applications"	Mar, 2006
Hanover Fair	Hanover Fair	Apr, 2006
ICCC 2006	7 th Int. Carpathian Control Conference.	May, 2006
VDI Tagung Funk	VDI Tagung Funk: Presentation Industrial Wireless LAN	May, 2006
PROFINET IO	Profibus User Organisation (PNO) TC2 WG11 "PROFINET IO"	May, 2006
Wireless Aut.	Wireless automation: Presentation "Selection of suitable radio solutions for applications of automation"	May, 2006
GMA	GMA permanent working group FA 5.21 "Radio Based Communication" within the German VDI/VDE-Gesellschaft	May, 2006
ZVEI	ZVEI permanent working group "Wireless"	May, 2006
RIP 2006	Process Control, RIP 2006	Jun, 2006
IFAT	2 nd International Trade Fair for Environmental Protection.	Jun, 2006
Interbus Club Jahresversammlung	Interbus Club Jahresversammlung : VAN project overview presentation	Jun, 2006
PROFIBUS INT	PROFIBUS INTERNATIONAL working group "Wireless PROFINET"	Jun, 2006
CTS+I	Congreso Iberoamericano de Ciencia, Tecnología, Sociedad e Innovación	Jul, 2006
R&D Management Conference	R&D Management Conference 2006	Jul, 2006
IPROMS	2 nd I*PROMS Virtual International Conference on Intelligent Production Machines and Systems	Jul, 2006
INDIN 2006	4 th International IEEE Conference on Industrial Informatics	Aug, 2006

Table 2.1: Accomplished dissemination events.

For a more detailed description of these dissemination events, please refer to Annex II.

2.2 Deliverables

The specification and concept work has already started. This concerns:

- Task 2.3: Specification of the Open Platform for Automation.
- Task 3.2: Specification of Wireless Communications for Automation.
- Task 3.3: Specification of Location Awareness for Automation.
- Task 4.3: Specification of real-time mechanisms.
- Task 5.3: Specification of a Safety Layer.
- Task 7.2: Integration Concept.

The specification for the security layer (Task 6.3) will start during the third year because a lot of research work is expected in this field. The engineering process specification started in month 6 and it is expected that a suitable wireless concept will be found in an early stage. An additional aspect to be mentioned for WP3 is the fact that the installation of a wireless infrastructure requires more effort than the installation of prototype devices. Therefore, the prototype implementation (task 3.4) shall start in month 11. Task 4.2 (Real-time mechanisms for Automation) had to be defined because the solutions for real-time cover a wide range.

Besides these activities, task 10.3 (Establishment of a European Competence Group) has just started to provide a platform for the project knowledge.

The following graphs represent the progress achieved along the last six months of the project. Deliverables are classified both by type and by work package.

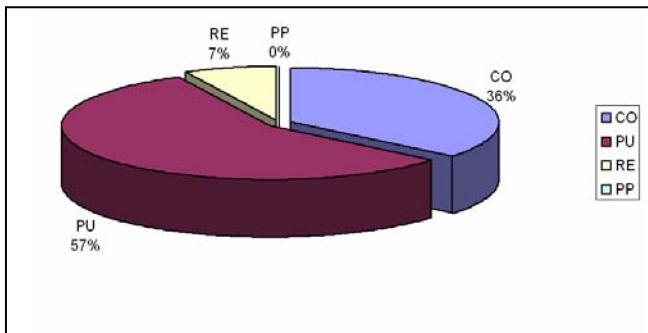


Fig. 2.1: Deliverables achieved from March 2006 to August 2006, classified by type.

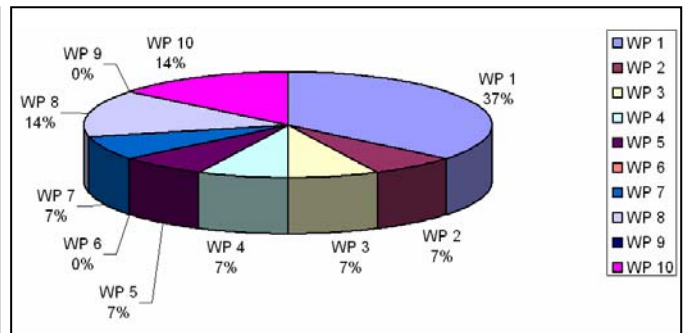


Fig. 2.2: Deliverables achieved from March 2006 to August 2006, classified by work package.

	Year 2006					
	Mar	Apr	May	Jun	Jul	Aug
WP1						
T1.1					D01.1-1 V2	
T1.2						D01.2-1 V2
T1.3			D01.3-3			D01.3-1 V2 D01.3-4 D01.3-5 V2
WP2						
T2.2						D02.2-2
T2.3						
WP3						
T3.2						
T3.3						
T3.4						
WP4						
T4.2						D04.2-1
T4.3						
WP5						
T5.2				D05.2-1		
T5.3						
WP6						
T6.2						
WP7						
T7.1			D07.1-1			
T7.2						
WP8						
T8.2			D08.2-1			
T8.3						D08.3-1
WP10						
T10.1						D10.1-2 V2
T10.3					D10.3-2 V1	
WP11						
T11.1						D11.1-3 V1
T11.2						

Fig. 2.3: Deliverables accomplished from March 2006 to August 2006.

The corresponding deliverables are listed below:

- D01.1-1 V2 State of the art and trends in safety, security, wireless technologies and real-time properties.
- D01.2-1 V2 Update of requirements and technological roadmap.
- D01.3-3 Key applications and benchmarking.
- D01.3-1 V2 Trend screening report on VAN relevant technologies.
- D01.3-4¹ Socio-economic in-itinere assessment report.

¹ This deliverable has been shifted to month 17.

D01.3-5 V2	Self-evaluation criteria and technical targets.
D02.2-2	VAN Open Platform API-Specification.
D04.2-1	Results of modelling of RT mechanisms in automation systems and RT extension of existing industrial solutions.
D05.2-1	Requirements specification; architecture description of runtime architecture, engineering and safety mechanisms.
D07.1-1	Report on analysed public network technologies.
D08.2.1	Engineering process concept and specification.
D08.3-1	Specification of a product data model in general and of the mandatory product data.
D10.1-2 V2	Plan for using and disseminating knowledge.
D10.3-2 V1	Gender-action-plan report.

Table 2.2: List of deliverables from March 2006 to August 2006.

From the above list, D01.2-1-V2, D01.3-1 V2, D01.3-3, D07.1-1, D08.2-1, D08.3-1, D10.1-2 V2 and D10.3-2 V1 are public. Once they have been delivered to the EC, they will be available to the general public through VAN web site. Later on, they will lead to future publications and communications.

Below there is a graph summarizing dissemination events and deliverables accomplished by VAN membership from March 2006 to August 2006 (see Annex II)

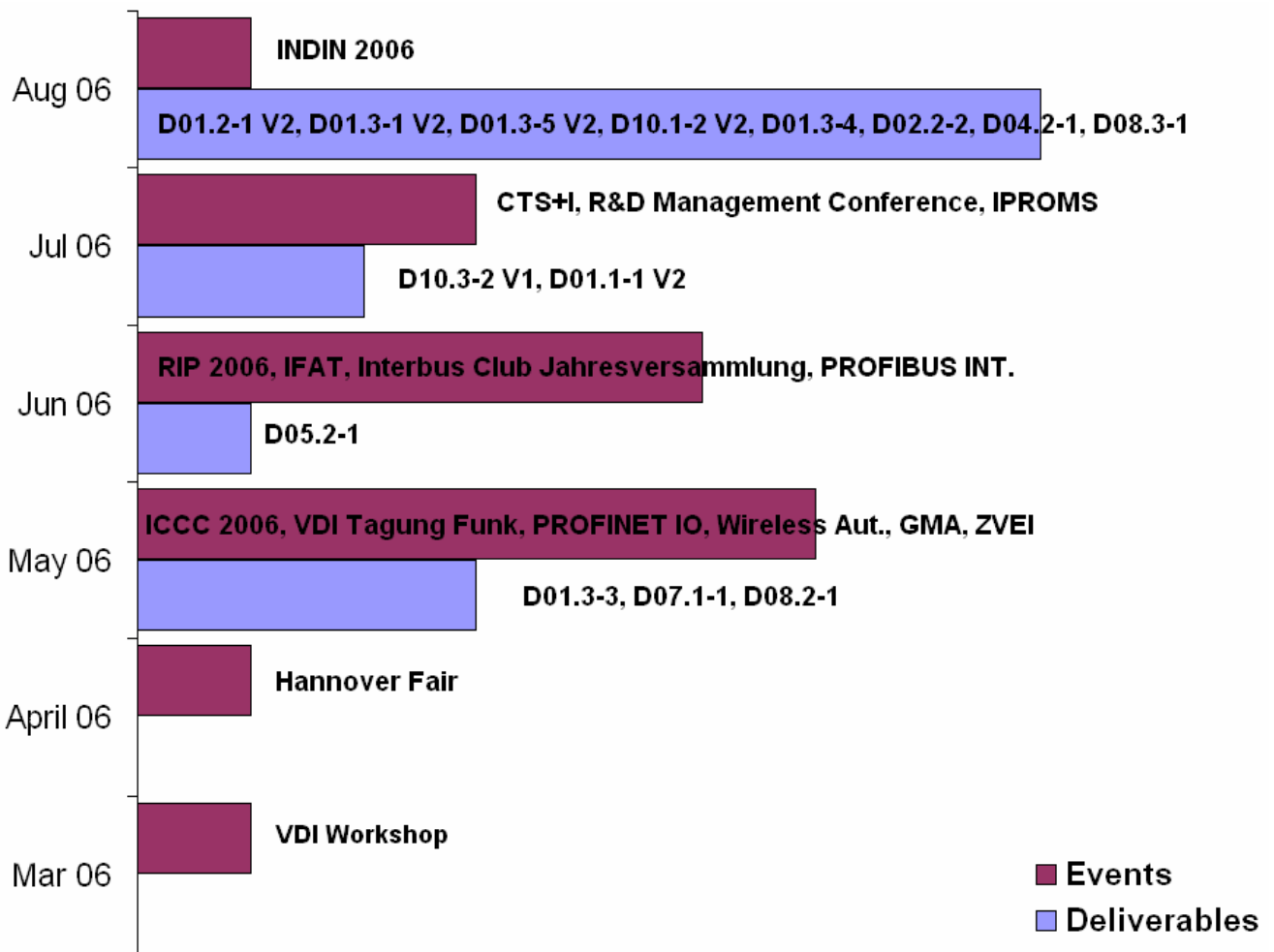


Fig. 2.4: Accomplished dissemination events and deliverables from March 2006 to August 2006.

3 Future dissemination

3.1 Already planned dissemination events

The following events will take place between the present time and September 2007.

Short name	Full name	Date
IEC TC65	IEC TC65 "Industrial Measurement and Control" SC65C "Digital Communications" MT9 Meeting	Sep, 2006
ZVEI GA KA	ZVEI GA KA (Communication Committee of ZVEI)	Sep, 2006
ETFA 2006	11 th IEEE International Conference on Emerging Technologies and Factory Automation	Sep, 2006
BIAS 2006	32 nd Biennial international exhibition of automation, instrumentation, microelectronics and ict for industry	Sep, 2006
Wireless Technologies Congress	Wireless Technologies Congress	Sep, 2006
GMA	GMA permanent working group FA 5.21 "Radio Based Communication" within the German VDI/VDE-Gesellschaft	Sep, 2006
Industrial Communication Congress	Industrial Communication Congress	Sep, 2006
Marcus	Marcusevans, Flexibility and IT-security in Automation with Ethernet	Sep, 2006
SPS/IPC/Drives 2006	SPS/IPC/Drives 2006. Electric Automation. Systems and Components	Nov, 2006
ANIPLA 2006	International Congress ANIPLA 2006. "Methodologies for Technologies in Automation"	Nov, 2006
IECON 06	IEEE Industrial Electronics	Nov, 2006
IAONA JTGWs	IAONA Joint Technical Working Groups (JTGWs)	Mar, 2007
Hannover Messe	Hannover Messe	Apr, 2007
ISIE 2007	2007 IEEE International Symposium on Industrial Electronics	Jun, 2007
INDIN 07	5 th IEEE International Conference on Industrial Informatics	Jul, 2007
MicroNanoReliability 2007	1 st International Conference on Microreliability and Nanoreliability in Key Technology Applications	Sep, 2007

Table 3.1: Planned dissemination events from September 2006 to September 2007.

For a more detailed description of these dissemination events, please refer to Annex II.

Besides, VAN partners refer to the project at their organizations' home pages in a number of ways:

- SIEMENS AG plans to include a banner on SIMATIC NET Homepage. There is already a link to VAN project web site.
- Machining Centers Manufacturing S.P.A shows their R&D strategy and potential exploitation of VAN results.
- CARTIF Foundation refers to VAN in their News section (http://www.cartif.es/ingles/IN_news.php?resH=1024) with two news:
 1. VAN Integrated Project: Kick-off meeting at Nuremberg, Germany. September 2005.
 2. The European Project "Virtual Automation Networks" gathers Cartif and its project partners in Germany. November 2005.
- Otto von Guericke University of Magdeburg includes several references at:
 1. <http://www-e.uni-magdeburg.de/fodb/fodb/index.php3?option=projektanzeige&pid=6758&lang=&perform=&PHPSESSID=34221b029956b1907ddbdeb8b544da7a>
 2. http://www-f.uni-magdeburg.de/~wiaf/projekte/projekte_aktuell_eng.php
- Politecnico di Milano have also their own reference:
 - <http://www.bastink.net/daisy/sito/>
- Fidia S.p.A:
 - http://www.fidia.it/english/research_eng_fr.htm
- Ifak Magdeburg:
 - <http://www.ifak-md.de/index.php?id=611&L=3>

3.2 Expected progress of the project

The first year project review is to be held on October 2006 and the current Technical Annex of VAN project [DoW05] only describes work to be done until February 2007. So, the expected deliverables for that period of time are:

D05.3-1	Specification of safety mechanisms; Service Definition and Protocol Specification
D03.2-1	Specification for wireless in industrial environment and industrial embedded devices
D07.2-1	Architecture Specification

During the second year of VAN project all technologies, concepts and mechanisms, which are in focus of this project, will be specified in detail. To mention some of them, there are the specification of wireless communication for automation, real time mechanisms for automation, security mechanisms for automation and the specification of a safety layer.

The second block of WP1 (Requirements and Trend Screening) is started and finished in this period. The results are used in a cross over check taking into consideration the requirements and specification of the WP2 to 8. If the technological gap between these results and the kernel technological work packages is too large, a process is defined to make adjustments to the technical contents.

In the beginning of the second project year the implementation of two essential prototypes will start:

- Task 4.4: Real-Time, Prototype Implementations
- Task 5.4: Safety, Prototype Implementations.

Due to the fact that for safety implementations can be based on existing solution, the duration is expected smaller than the implementation of real-time prototypes.

In the considered period the concept for the engineering tool integration will start (task 8.4). Basis for the start of this task are the experiences of the running tasks for prototype implementation.

	Year 2006										Year 2007	
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
WP1												
T1.1						D01.1-1 V2						
T1.2							D01.2-1 V2					
T1.3			D01.3-3				D01.3-1 V2 D01.3-4 D01.3-5 V2					
WP2												
T2.2							D02.2-2					
T2.3												
WP3												
T3.2												D03.2-1
T3.3												
T3.4												
WP4												
T4.2							D04.2-1					
T4.3												
WP5												
T5.2					D05.2-1							
T5.3											D05.3-1	
WP6												
T6.2												
WP7												
T7.1				D07.1-1								
T7.2												D07.2-1
WP8												
T8.2				D08.2-1								
T8.3							D08.3-1					
WP10												
T10.1							D10.1-2 V2					
T10.3						D10.3-2 V1						
WP11												
T11.1							D11.1-3 V1					
T11.2												

Fig. 3.1: Planned deliverables, from September 2006 to February 2007.

Below there is a graph summarizing dissemination events and deliverables planned by VAN membership between September 2006 and September 2007. Past events and deliverables since March 2006 are also included.

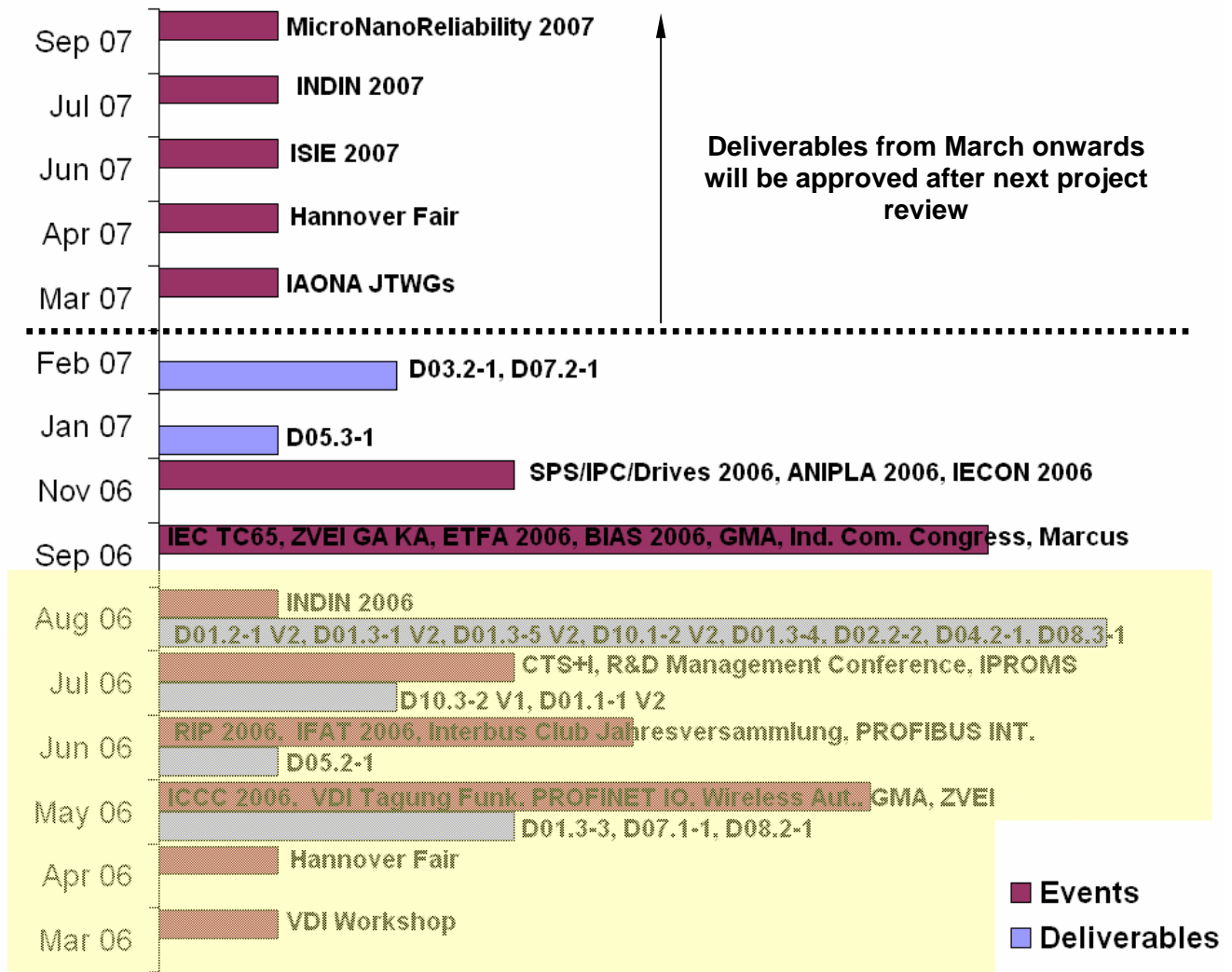


Fig. 3.2: Dissemination events and deliverables from March 2006 to September 2007.

4 VAN Dissemination Channels and Tools

4.1 Channels

4.1.1 Web site

Contents are being regularly updated since the start of the project, and visual and functional elements have been enhanced. Some sections are more dynamic than others and require constant revision. These are the News and Events, Related links and Publications sections. Since the last version of the current deliverable was due, new results have been achieved and this is shown to the public via VAN web site.

On April 2006, the registration process for “van-eu.eu” domain finished and now VAN web site may be accessed both from <http://www.van-eu.org/> and from <http://www.van-eu.eu/>.

There is one section that is about to be put in service. It's the “Join Interest Group”. As task 10.3 Establishment of European Competence Group has started recently (July 2006), now there is a need to create this channel to help to provide a platform for the project knowledge and concepts, as well as to extend the project results beyond the project time frame.

By accessing the **Join Interest Group** link from the home page, the general public will be required to give information (personal and organizational details). A database will be created with this information and members of the Interest Group will be classified into different categories according to their interests in VAN project. They will receive regularly information on the project and specific dissemination material.

4.1.2 Groupware

This internal dissemination channel has experimented no remarkable changes for the last six months, save for the new section called “Deliverables” that contains finished versions of the deliverables and is assigned to the project EC reviewers [VANGW05]. Currently there are more than ninety people accessing it.

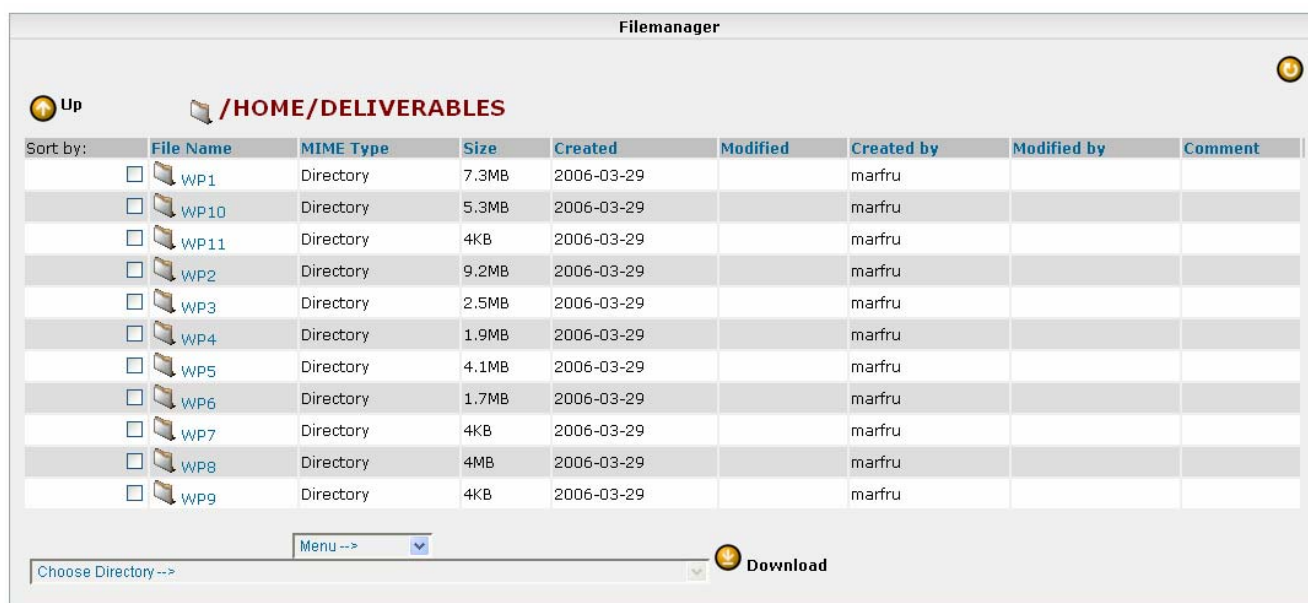


Fig. 4.1: Groupware DELIVERABLES section.

4.2 Tools

4.2.1 Newsletter

The second issue of VAN newsletter is currently under preparation, but will be soon available to the general public.

This time, the sections are the following ones:

- **Last contributions to VAN:** A short description of VAN partners' participation in some dissemination events is described here.
- **Interview with Dr. Axel Klostermeyer:** So far, some progress has been achieved for the project. The coordinator comments on this and gives his point of view.
- **Meet the partners:** Three new partners are introduced. They are: Phoenix Contact Electronics, Schneider Electric and Fidia.
- **Future Events:** Includes the most remarkable future events for VAN dissemination interests.
- **Meetings:** The most relevant recent meetings are included here.

Everyone accessing <http://www.van-eu.eu/> can download VAN newsletters freely. Furthermore, an email list of selected addressees has been built in order to get to the appropriate audiences. These people come from public and private organizations that might be interested in VAN results. Part of them is currently participating in embedded systems projects.

4.2.2 Teleconferencing

Though meetings involving most of the partners are required at least every four months for an adequate follow up of the project progress, sometimes it is necessary to gather a smaller number of people to solve very specific tasks. On these occasions, video / net conferences are the best working tool.

VAN team usually takes advantage of these communication systems, and Brno University of Technology, in particular, has purchased the necessary licences for a system called TeamSpeak. This software is free of charge to non-profit entities while commercial or for-profit entities have the ability to become part of the licensing program. Now, this system is available to all VAN partners for free.

TeamSpeak [TEA06] is software for quality voice communication via the Internet. This platform offers a client-server architecture where client and server software is clearly separated. This means the server product runs as a dedicated server, rather than peer-to-peer. The TeamSpeak server software is capable of handling thousands of simultaneous clients or users, which results in an Internet-based teleconferencing solution that works for a repertory of different applications such as an alternative to conference calls, cutting long distance telephone costs.

4.3 Web page and GroupWare indicators

The most relevant information on the impact of the web page and GroupWare comes from the number of visits. A graph is displayed below with data regarding the visits made along year 2006.

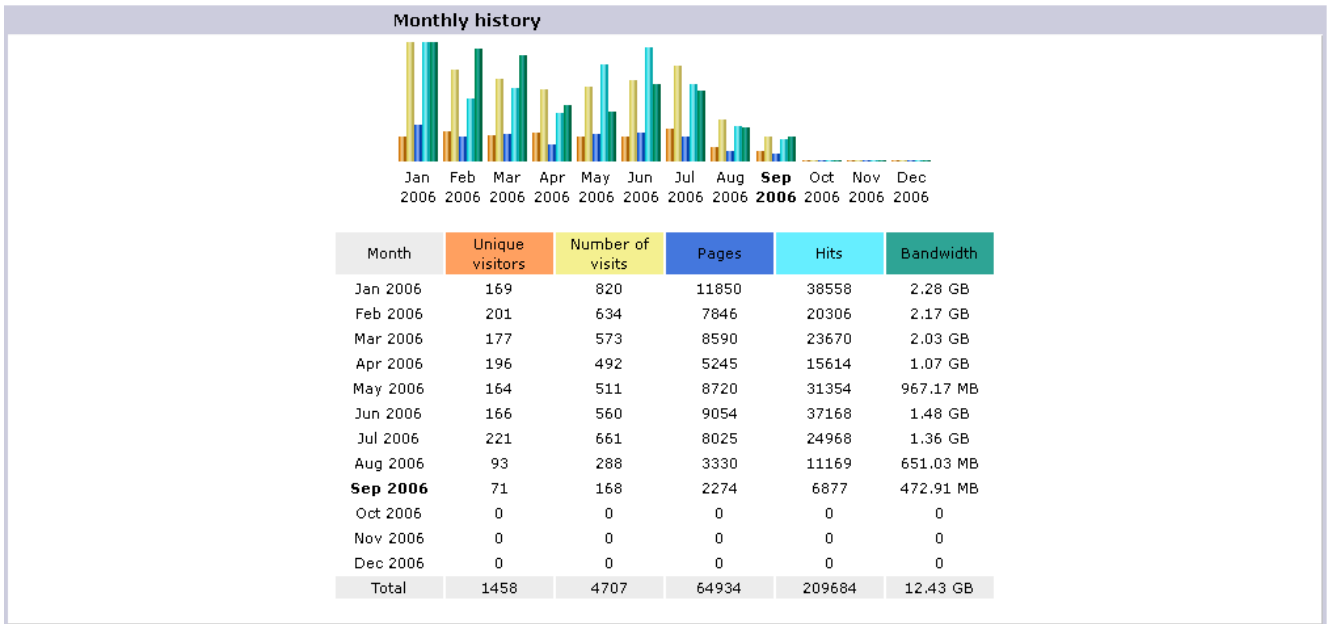


Fig. 4.2: Monthly indicators.

The origin of the users accessing the web and GroupWare is also important. Next, a table is shown with the origins from which visits have been performed.

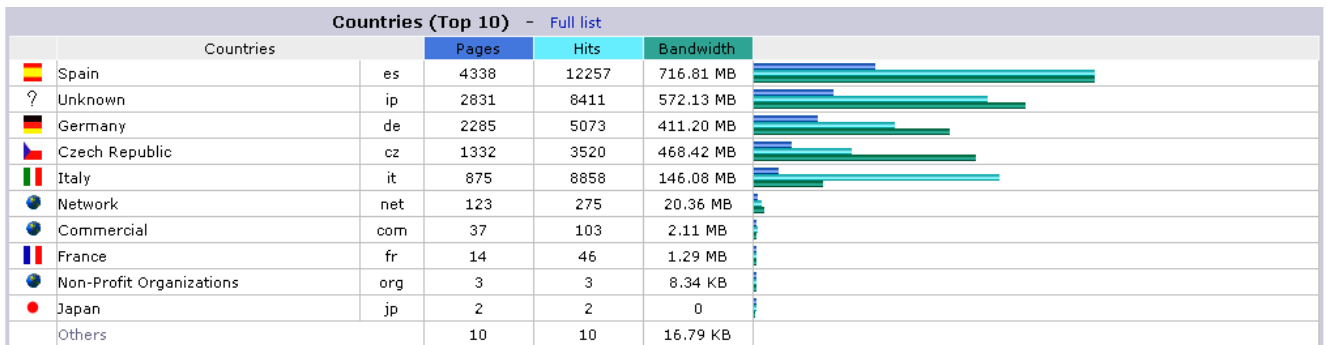


Fig. 4.3: Visits per Country.

The number of users accessing the GroupWare is an indicator of the work load along time. Below there is a bars graph displaying this information for year 2006.

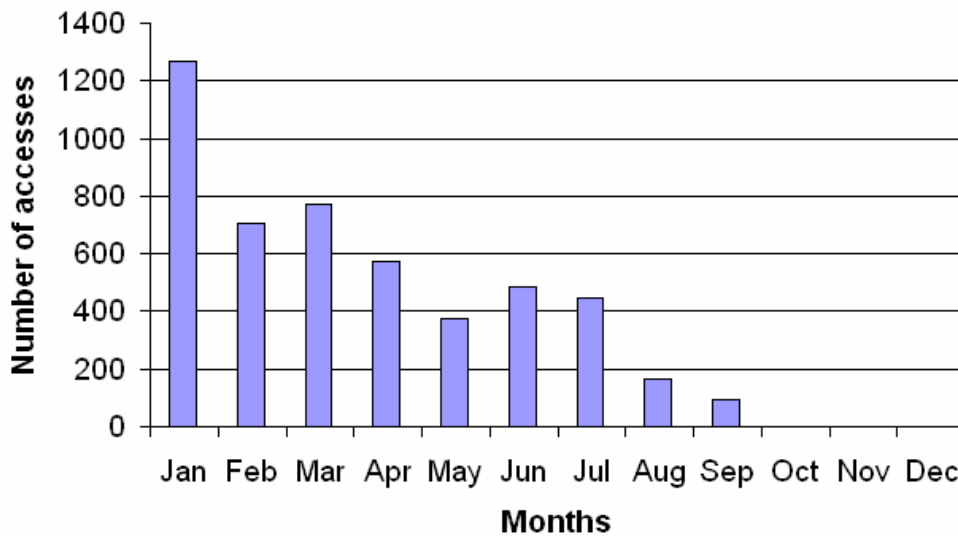


Fig. 4.4 Accesses to the GroupWare in 2006.

4.4 VAN web site test

In order to assess the web site quality, a report has been requested at <http://www.silktide.com> for <http://www.van-eu.org>. For <http://www.van-eu.eu> similar results have been found, though the overall score is slightly lower because this site is quite recent. We understand that it is more accurate to test <http://www.van-eu.org> as it has been working nearly since the start of the project.

Silktide are a leading UK web design company covering aspects of designing, building and maintaining websites.

The corresponding report is shown below.

4.4.1 Summary




According to the report, VAN web site gets an overall summary score of 7.0, being marketing the weakest point and accessibility the strongest.


Marketing	How well marketed, and popular the website is.	4.3
Design	How well designed and built the website is.	9.7
Accessibility	How accessible the website is, particularly to those with disabilities.	10.0
Experience	How satisfying the website is likely to be.	8.5
Visitor rating	Average user rating for this site's design (website needs more votes)	Not enough votes (Vote for this site)
Overall	Summary score for this website.	7.0

Fig. 4.5 Summary report (taken from <http://www.silktide.com>).

4.4.2 Good / bad points

The main part of the report is displayed below as it has been obtained from <http://www.silktide.com>. Recommendations are included when appropriate.

 Very Poor	Popularity ranking	Your website appears to be visited so rarely that there is not accurate popularity information available - i.e. it is not in the top 10 million or so websites. This may not be the case if your website is only a few months old. Recommendations: You can usually increase repeat visitors, by offering useful services or valuable content on your website (e.g. login area, downloads, forums). Ensure that your website is well linked to by others, and that you have submitted it effectively to all the relevant search engines. You should also ensure that your website is effectively designed to be promoted online - e.g. it makes proper use of titles, meta tags etc. How we can help.
 Poor	Links to	No other websites were found linking to this website. (0 quality links, out of 0). (Note: If the website is less than a month old, this information may be inaccurate). Recommendations: We suggest a minimum of 40 links to any given website, to ensure it is listed effectively by Google and other major search engines. A large number of web directories, news and affiliate websites can be encouraged to link to you for free. Over time any reasonably successful website should pick up additional links as a matter of course. How we can help.
 Good	Features	The following 3 features were specifically identified: Contact details, Website map, News. Generally, our analysis detected a positive selection of text and features.

 **Good**

Popularity on Google


Based on your webpage title, we guessed that your website / company name is "VAN Project Home Page | VAN IST Project". In the text on your homepage, these appear to be the most significant phrases:

1. visits eu
2. map whos
3. whos online
4. guest online
5. framework program
6. map disclaimer
7. internal groupware
8. disclaimer webmaster
9. webmaster copyright
10. consortium developed


We took the top 3 phrases and searched for them in [Google](#), along with your website/company name. The following matches were found:

Searched for	Position	Result Found	Total Results	Rating
VAN Project Home Page VAN IST Project	2	Welcome to the VAN Project Home Page VAN IST Project Welcome to the VAN Project Home Page. Home ... of the project. pdf Download VAN Newsletter, Issue 1. pdf Download VAN poster. Investigation for communication ...	4,090,000	Very good

Additional searches **whos online**, **map whos**, **visits eu** did not find any matches on [Google](#).


 **Recommendations:** If your website is more than a month old, you should always aim to score within the top 10 results for a search for your website or company name, at least. Firstly, make sure your website is [properly indexed](#), and makes proper use of title, heading and meta-tags - in particular your homepage. Ensure that your website contains text-based content that is relevant to those searching for your website. Then submit your website to all the search engines and applicable free directories you can.

[How we can help.](#)

 **Excellent**


Speed

Your website responded in 0.58 seconds, and your homepage downloaded in 0.62 seconds. This is very fast and suggests your website is running on a sufficiently powerful web server.

 **Excellent**


Size of pages

Webpages are small and should display quickly.

 **Excellent**

British legal requirements


All webpages were found to be fully compliant with the [W3C Web Content Accessibility Guidelines](#), and therefore likely not in violation of the [British Disability Discrimination Act](#). Pages make proper use of the latest [XHTML](#) standards.

 **Excellent**

No of images

We found an average of 10.0 images per page.

There appears to be good variety in the images within this website (10.0 unique images per page).

 **Excellent**

Use of Interactive Elements

Your website does not appear to include any advert keywords in your source files and therefore displays correctly to the user with a spam blocker enabled.

Fig. 4.6 Detailed breakdown of good and bad points (taken from <http://www.silktide.com>)

According to this report, there are points to be improved. Especially low is the **Popularity ranking**, and measures are being taken in this respect. The number of downloads is being increased with new dissemination material (newsletter, public deliverables, etc.), contents are being continuously updated, especially those related to the News and Events section, and the new section "Join Interest Group" will hopefully increase public interest and will help to improve VAN web site popularity. The inclusion of video presentations will be possible as soon as some results are obtained in connection with the demonstrators' tasks.

Besides, **links to other web sites** seem to be scarce by now. This is being solved, in the first place, thanks to the members of the consortium that have included links to VAN web site at their own web

pages. As VAN web site has been running effectively for less than a year, it is expected that the number of related links will increase in a natural way as more results are made public and participation in dissemination events increases.

The rest of points got good and excellent scores.

5 Dissemination plan assessment

In order to measure the impact of VAN dissemination actions on the desired audiences, a set of assessment indicators has been defined. All the partners participating in dissemination events have filled in the Dissemination Plan Template [DPT06], giving information on both past and future events.

The indicators chosen give general information on past events and assess the related impact for VAN interests.

For events such as fairs, congresses, seminars, workshops or conferences, the first indicators to be taken into account are the **size of the audience** attending the event and the **scope** (International, National, Regional). These indicators give a view on the magnitude of the event itself, more than in relation to VAN project. For specific events, such as fairs, the size of the audience can be a good indicator if it refers to the number of people visiting a certain booth when it belongs to a VAN partner and results of the project are shown there.

More directly related to VAN impact is the **number of interested organizations**. This indicator gives us information on the people directly requiring information from a contribution of a VAN member in any dissemination event. This contribution might be a paper, speech, article, presentation, etc.

Strongly related to the previous one is the **number of contacts made for possible future collaboration**. This figure will always be smaller than the previous one, as only part of the interested organizations will want to collaborate in future projects with the author of the contribution they are interested in.

Measuring the **web site impact** is interesting though not always possible or even easy. This is usually done by means of keeping an account of visits to certain sites, or downloads of specific files, such as brochures, presentations, etc.

The related information collected from VAN partners has been included in Annex I of the current document and is displayed there in several tables. It is also shown below in figures 5.1 to 5.4.

Figure 5.1 shows the participation level of VAN consortium in dissemination events in general terms, that is, without taking into account the different dissemination channels (fairs, congresses, etc.), from March 2006 to August 2007. The related figures can be found in Annex II.

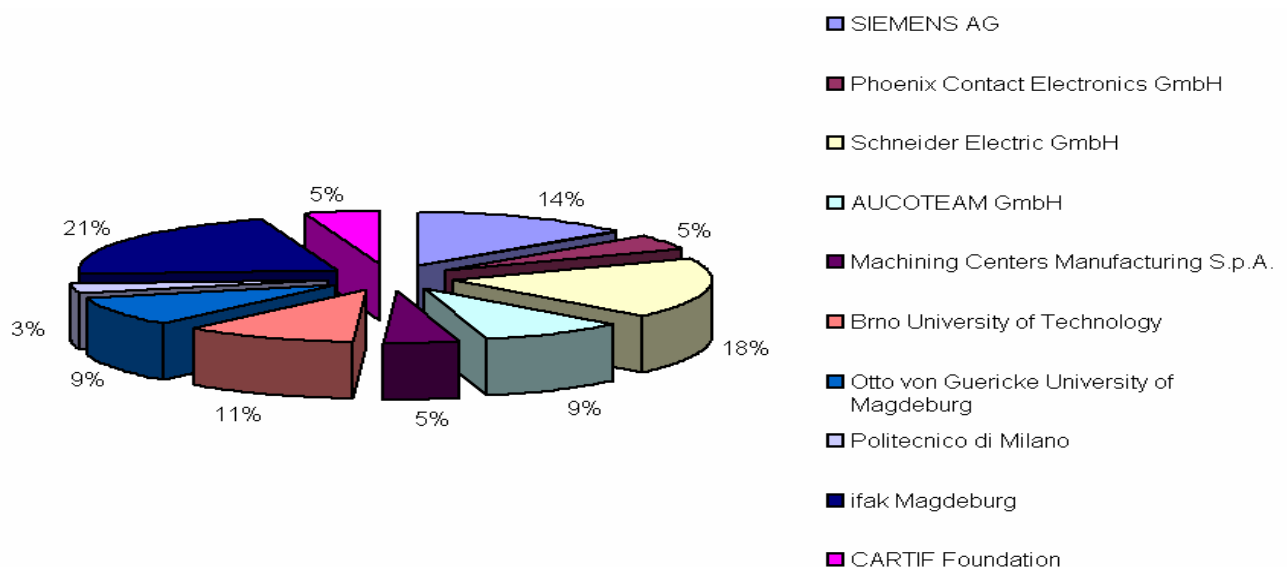


Fig. 5.1 Degree of participation of VAN partners in dissemination events.

Figure 5.2 shows the participation of VAN partners in past and future dissemination events, that is, from March 2006 to August 2007. The different channels (Standardization, Mass Media, etc.) are displayed in different colours inside a unique column for each partner. The related figures can be found in Annex II.

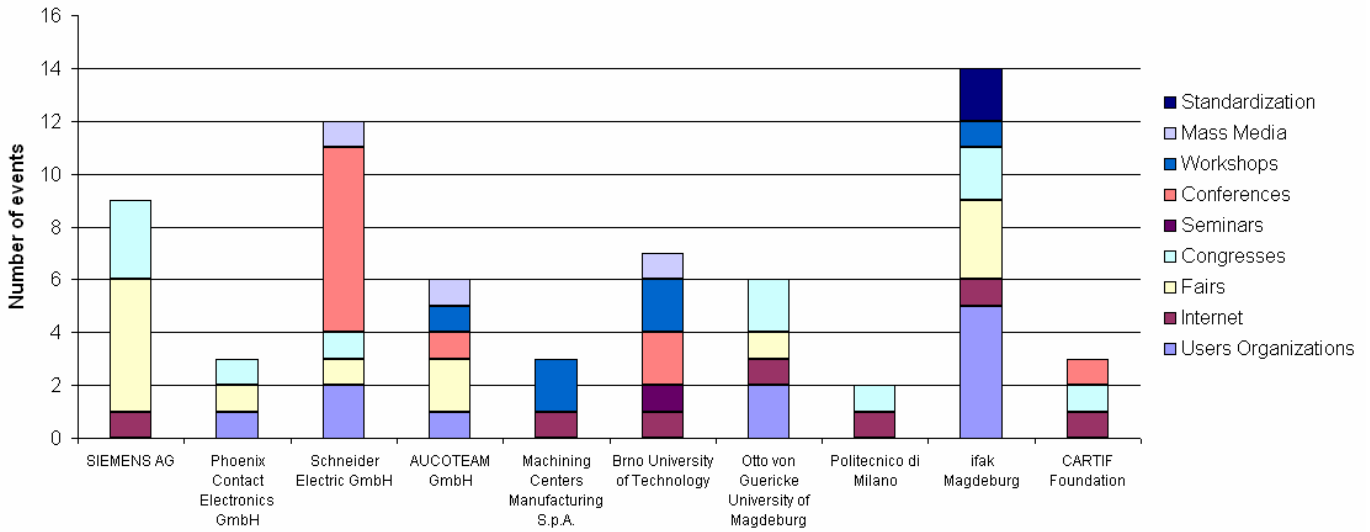


Fig. 5.2 Participation of VAN partners in dissemination events.

Figure 5.3 classifies dissemination contributions in terms of type of audience selected. It is clear that VAN results are very focused on industry. On the other hand, Government has not been selected as a preferred audience so far for any contribution. The related figures have been taken from the tables in Annex II.

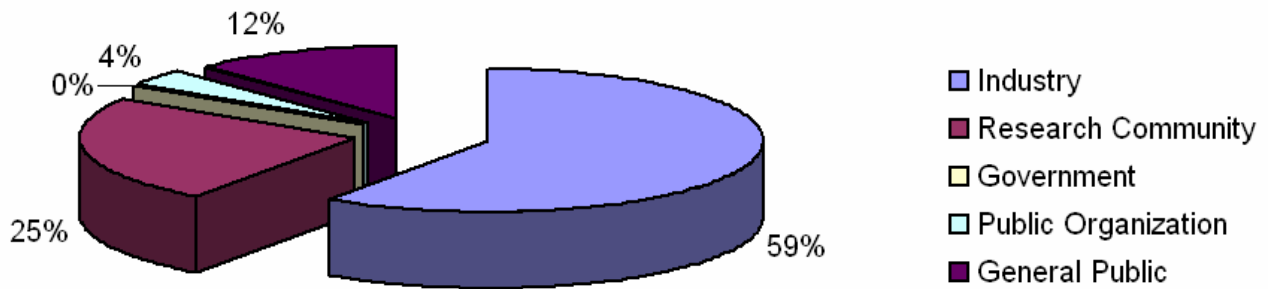


Fig. 5.3 Dissemination contributions in terms of audience.

Figure 5.4 shows information related only to past events. In order to assess the impact on the audience, relevant indicators such as the number of interested organizations and the contacts made for future collaborations have been collected for contributions in some remarkable events. The related figures have been taken from the tables in Annex I.

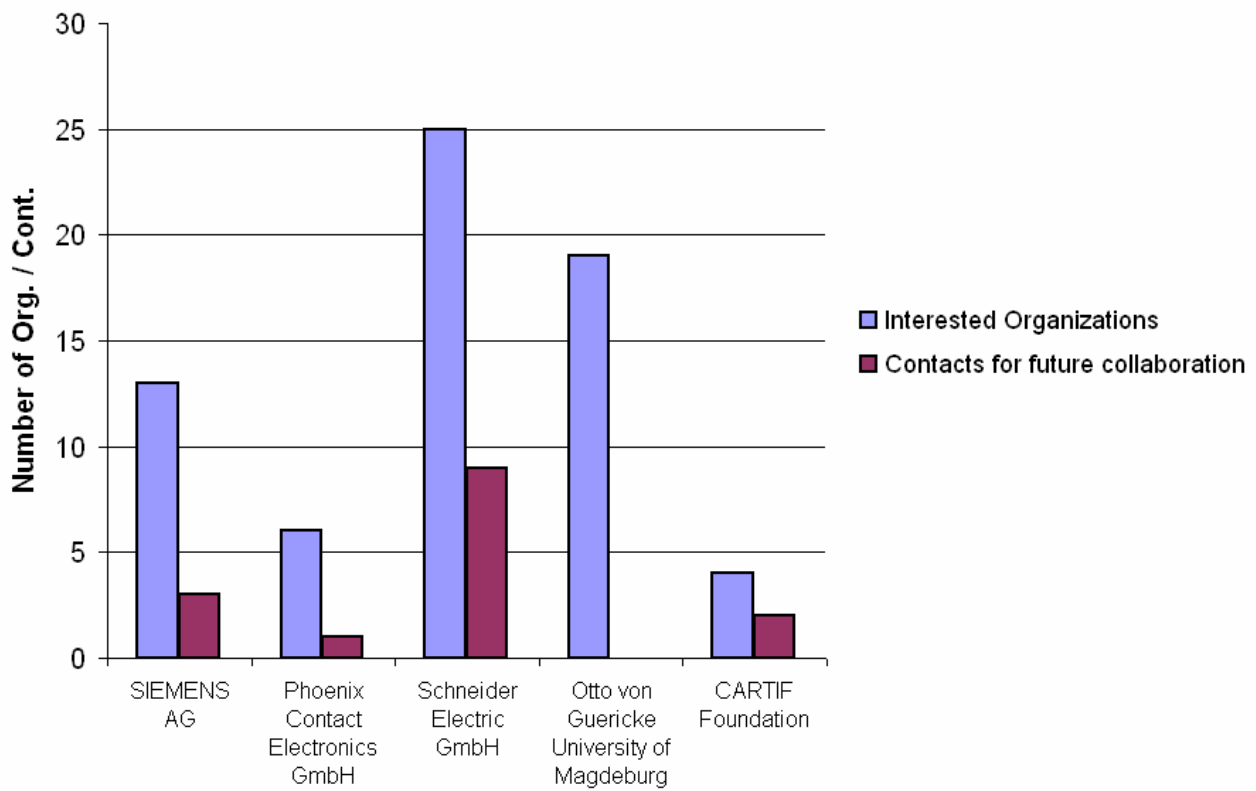


Fig. 5.4 Assessment indicators for past contributions in some remarkable events.

6 Conclusions

So far, one year has passed since the start of the project and the first steps towards dissemination have been taken, mainly concerning passive dissemination actions. The commonest audience according to the technical nature of the project has proved to be industry, followed by the research community, the general public and public organizations.

VAN partners have been participating in a number of events, making public the first results of the project. More activities are already planned for next year, though there will be more than expected according to the current report, as it is not easy to foresee so much in advance. Next plan for using and disseminating knowledge will include the extra information not included in this document.

The official project web site contents have been improved and updated along the last months and currently include some general information of public interest, such as project information (objectives, expected results, work packages, organisation), partnership, news and events related to the project, related links and public deliverables (the public ones available so far can be downloaded). Some dissemination material can also be downloaded: abstract, presentation, newsletter and poster and much more will be included as progress is achieved.

The start of task 10.3 Establishment of European Competence Group (on July 2006) will help to deeply enhance dissemination inside the project. The competence group will represent the requirements and concepts for industrial automation and communication with respect to real-time, security, safety, and integration with a European focus.

Glossary

ANIPLA	Associazione nazionale italiana per l'automazione
API	Application Programming Interface
B2B	Business to business
BIAS	Biennal international exhibition of automation, instrumentation, microelectronics and ict for industry
CeBIT	Centrum der Büro- und Informationstechnik (Centre for office and information technology)
CIRP	Cooperative Institutional Research Program
CTS	Ciencia, Tecnología y Sociedad (Science, Technology and Society)
CTS+I	Congreso Iberoamericano de Ciencia, Tecnología, Sociedad e Innovación
DoW	Description of Work
EC	European Commission
ETFA	Emerging Technologies and Factory Automation
IAONA	Industrial Automation Open Networking Alliance
ICCC	International Carpathian Control Conference
I+D	Investigación y Desarrollo (Research and Development)
IEC	International Electrotechnical Commission
IECON	Industrial Electronics Conference
IEEE	Institute of Electrical and Electronics Engineers
IFAC	International Federation of Automatic Control
IFAT	International Trade Fair for Environmental Protection
INDIN	International IEEE Conference on Industrial Informatics
I/O	Input/Output
IPC	Industrial PC
IPROMS	Intelligent Production Machines and Systems
ISIE	International Symposium on Industrial Electronics
ISO	International Standards Organisation
IT	Information Technology
JTWGs	Joint Technical Working Groups
PLC	Programmable Logic Computer
QoS	Quality of Service
R&D	Research and Development
RT	Real Time
RTD	Research and Technology Development

SPS	Speicherprogrammierbare Steuerung [DE], stands for PLC
VAN	Virtual Automation Network
VDI	Virtual Device Interface
WG	Working Group
WP	Work Package
ZVEI	German Electrical and Electronic Manufacturers' Association

References

- [DoW05] Description of Work
- [D10.1-2 V1] D10.1-2 V1 Plan for using and disseminating knowledge
- [VANGW05] VAN Groupware Collaborative Workspace User Manual
- [DPT06] Dissemination Plan Template (version 2)
- [SIL06] <http://www.silktide.com/>
- [TEA06] <http://www.goteamspeak.com/>

Appendix I: Past events assessment

VAN partners have filled in the Dissemination Plan Template giving information on the assessment of past events. The related results are shown below.

I.1 IEEE Conference on Industrial Informatics (INDIN 06)

This conference continues the highly successful series of IEEE conferences on Industrial Informatics held in 2003 in Canada, 2004 in Germany, and 2005 in Australia. INDIN'06 aims to provide a forum for international researchers to present and share new ideas, state-of-the-art research results, and novel approaches to address key research and technological challenges encountered in the integration and management of manufacturing and service systems.

Partner	Contribution	Target audience
Schneider Electric GmbH	"A Framework for Development and Implementation of Webservice-Based Intelligent Autonomous Mechatronics Components".	Industry
Assessment indicators		
Number of participants		300
Interested organizations		5
Contacts made for possible future collaboration		5
Web site impact		-
Scope		International

Table I.1 Assessment indicators for INDIN 06, contribution from Schneider Electric.

I.2 Hanover Fair

The Hanover Fair (German: Hannover Messe) is the world's biggest industrial fair. It is held on the Hanover fairground in Hanover, Germany. Typically, there are about 6.000 exhibitors and 200.000 visitors.

The Hanover Fair started in 1947 in an undamaged factory building in Laatzen, south of Hanover, by an arrangement of the British military government in order to boost the economical advancement in post-war Germany. The first fair was colloquially known as Fischbrötchenmesse (fish bun fair) due to the exemptions in food rationing for the fair at this time. It proved hugely successful and was hence repeated on a yearly basis, contributing largely to the success of the Hanover fairground in replacing the then-East German city of Leipzig as the new major fair city for West Germany.

In the 1980s, growing information and telecommunication industry forced the organiser Deutsche Messe AG to split the fair. The CeBIT is a successful spin-off of the Hanover Fair.

Nowadays, the Hanover Fair centers on robotics.

Partner	Contribution (Factory Automation)	Target audience
SIEMENS AG	VAN project presentation at Networking Lounge and Panel Discussion about use of WAN in automation	Industry
Assessment indicators		
Number of participants		20
Interested organizations		7
Contacts made for possible future collaboration		2
Web site impact		-
Scope		International

Table I.2 Assessment indicators for Hanover Fair, contribution from SIEMENS.

Partner	Contribution	Target audience
Otto von Guericke University of Magdeburg	Presentation of VAN at IAONA booth	Industry
Assessment indicators		
Number of participants		~2200 visitors
Interested organizations		10
Contacts made for possible future collaboration		-
Web site impact		-
Scope		International

Table I.3 Assessment indicators for Hanover Fair, contribution from Otto von Guericke University of Magdeburg.

Partner	Contribution (Forum Factory Automation)	Target audience
Phoenix Contact Electronics GmbH	Participation in the VAN panel discussion	General Public
Assessment indicators		
Number of participants		20
Interested organizations		3
Contacts made for possible future collaboration		-
Web site impact		-
Scope		International

Table I.4 Assessment indicators for Hanover Fair, contribution from Phoenix Contact Electronics.

I.3 IFAT. 2nd International Trade Fair for Environmental Protection.

IFAT CHINA is the international exhibition in the Asian market for practice-oriented solutions in the key sectors for environmental protection including water supply, sewage, waste disposal, recycling, air pollution control, environmental technology and environmentally compatible energy sources. The trade fair is completed by a supporting program of conferences, B2B matchmaking and dialogue sessions. IFAT CHINA 2006 attracted 284 exhibitors from 25 countries and about 10,000 visitors from 66 countries.

Partner	Contribution	Target audience
SIEMENS AG	VAN project presentation on panel	Industry
Assessment indicators		
Number of participants		5
Interested organizations		2
Contacts made for possible future collaboration		-
Web site impact		-
Scope		International

Table I.5 Assessment indicators for IFAT, contribution from SIEMENS.

I.4 ZVEI GA KA (Communication Committee of ZVEI)

The 'ZVEI - Zentralverband Elektrotechnik- und Elektronikindustrie e.V.', the German Electrical and Electronic Manufacturers' Association, represents the economic, technological and environmental policy interests of the German electrical and electronics industry at the national, European and international levels. It provides specific information about the economic, technical and regulatory framework conditions of the electrical industry in Germany.

The ZVEI promotes the development and use of innovative technologies by proposals concerning research, technological, environmental protection, educational and scientific policy. It supports market-orientated European and international standards-making activities.

Partner	Contribution	Target audience
SIEMENS AG	VAN Project Presentation	Industry
Assessment indicators		
Number of participants		15
Interested organizations		4
Contacts made for possible future collaboration		1
Web site impact		-
Scope		National

Table I.6 Assessment indicators for ZVEI GA KA, contribution from SIEMENS.

I.5 Congreso Iberoamericano de Ciencia, Tecnología, Sociedad e Innovación

The extraordinary impact of science and technology in every field of the contemporary society within the economic, professional, educative or institutional spheres, makes it necessary to gain knowledge and study in depth the interrelations among science, technology, economic activity and society. Two recent and strong academic fields: studies on "Science, technology and society" (CTS) and those related to innovation, have made science and technology social and economic impact the target of their work.

This is the reason why several associations have organized this Congress in México D.F. They are: Organización de Estados Iberoamericanos para la Educación la Ciencia y la Cultura (OEI), Agencia Española de Cooperación Internacional (AECI), Universidad Nacional Autónoma de México (UNAM), Instituto Politécnico Nacional (IPN), Universidad Autónoma Metropolitana (UAM), Academia Mexicana de Ciencias and Academia de Ingenieros.

Partner	Contribution	Target audience
CARTIF Foundation	“Evaluación de impacto social de proyectos de I+D: una propuesta de aplicación para grandes proyectos tecnológicos. (The Social Impact Evaluation of Research and Technological Development (RTD) projects: a case study for industrial communications)”	Research Community
Assessment indicators		
Number of participants		> 550
Interested organizations		4
Contacts made for possible future collaboration		2
Web site impact		-
Scope		International

Table I.7 Assessment indicators for Congreso Iberoamericano de Ciencia, Tecnología, Sociedad e Innovación, contribution from CARTIF Foundation.

I.6 IAONA Joint Technical Working Groups (JTWGs)

To cope with the new tasks of an umbrella organisation, the JTWGs have been established as continuation of the former work groups. Remarkable for the JTWGs is especially the collaboration regarding the technical aspects of Ethernet which embraces all partner organisations. Also IAONA invites all interested external experts to co-operate and work within these groups. The practical work of the JTWGs is done by usage of the latest internet technologies, thus a physical presence of the experts is not obligatory.

Partner	Contribution (System aspects)	Target audience
Otto von Guericke University of Magdeburg	Close cooperation, mutual input	Industry
Assessment indicators		
Number of participants		6
Interested organizations		4
Contacts made for possible future collaboration		-
Web site impact		2 visits
Scope		International

Table I.8 Assessment indicators for IAONA JTWGs, contribution from Otto von Guericke University of Magdeburg (I).

Partner	Contribution (Security)	Target audience
Otto von Guericke University of Magdeburg	Close cooperation, mutual input	Industry
Assessment indicators		
Number of participants		5
Interested organizations		5
Contacts made for possible future collaboration		-
Web site impact		3 visits
Scope		International

Table I.9 Assessment indicators for IAONA JTWGs, contribution from Otto von Guericke University of Magdeburg (II).

I.7 Interbus Club Jahresversammlung (annual meeting)

The INTERBUS Club is an international association of companies with the joint target to push INTERBUS from a technological point of view, spread it on the worldwide markets and support automation solutions with INTERBUS and complementary technologies like Ethernet. The 14th annual meeting took place at the headquarter of the INTERBUS Club in Baden-Baden, Germany.

Partner	Contribution	Target audience
Phoenix Contact Electronics GmbH	VAN project overview presentation	Industry
Assessment indicators		
Number of participants		15
Interested organizations		3
Contacts made for possible future collaboration		1
Web site impact		-
Scope		International

Table I.10 Assessment indicators for Interbus Club, contribution from Phoenix Contact Electronics.

I.8 2nd I*PROMS Virtual International Conference on Intelligent Production Machines and Systems

Intelligent Production Machines and Systems (IPROMS) employ advanced IT and computational techniques to provide competitive advantage. IPROMS 2006, the 2006 Virtual International Conference on IPROMS, took place on the Internet between 3 and 14 July 2006.

Partner	Contribution	Target audience
Schneider Electric GmbH	"Analysis of wireless solutions for automation networking"	Industry
Assessment indicators		
Number of participants		30
Interested organizations		20
Contacts made for possible future collaboration		4
Web site impact		-

Scope	International
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Table I.11 Assessment indicators for I*PROMS, contribution from Schneider Electric.

I.9 IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2006)

The ETFA conference series is the prime, and largest, IEEE event dedicated to factory automation and emerging technologies in industrial automation.

Since 1992, the ETFA conference has been hosted by some of the leading academic and research establishments including University of Tokyo (Tokyo, Japan), INRIA (Paris, France), University of Hawaii (Hawaii), University of California at Los Angeles, Polytechnic University of Catalonia (Barcelona, Spain), Université de Nice Sophia-Antipolis (Nice, France), Universidade Nova de Lisboa-FCT-DEE (Lisbon, Portugal) and University of Catania. This time, the ETFA conference has been hosted by Czech Technical University in Prague (CTU).

The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

Partner	Contribution	Target audience
Schneider Electric GmbH	Invited speaker	
Assessment indicators		
Number of participants		300
Interested organizations		-
Contacts made for possible future collaboration		-
Web site impact		-
Scope		International

Table I.12 Assessment indicators for ETFA 2006, contribution from Schneider Electric.

Appendix II: Dissemination events

Detailed information regarding the past and future dissemination events from chapters 2 and 3 is included below.

The degree of importance of each contribution ranges from 1 to 5, being 1 the mark for the least important and 5 the one for the most important. It has been assessed by the author and reflects the relevance of the contribution for VAN project in terms of indicators such as: number of people addressed, target audience and its significance for the project, policies addressed, etc.

International Conferences

Contribution: Safety Communication in Industrial Automation.
Author: Brno University of Technology
Event: ICCC'06, 7th Int. Carpathian Control Conference.
Date: 29th May 2006
Venue: Ostrava, Czech Rep.
Target audience: Research Community.
Motivation: Bring the notion of the VAN Project into the research community.
Degree of importance: 3

Contribution: Ethernet Technologies in Process Control
Author: Brno University of Technology
Event: Process Control, RIP 2006
Date: 13th June 2006
Venue: Pardubice, Czech Rep.
Target audience: Industry
Motivation: Bring the notion of the VAN Project into research community.
Degree of importance: 3

Author: Schneider Electric GmbH
Event: 2nd I*PROMS Virtual International Conference on Intelligent Production Machines and Systems
Date: 1st July 2006
Venue: Cardiff, UK
Target audience: Industry

Contribution: The Social Impact Evaluation of Research and Technological Development (RTD) projects: a case study for industrial communications.
Author: CARTIF Foundation

Event: R&D Management Conference 2006
Date: 5th-7th July 2006
Venue: Cumbria, England
Target audience: Research Community
Motivation: Present VAN social impact methodology to the European R&D Management community
Degree of importance: 3

Contribution: "A Framework for Development and Implementation of Webservice-Based Intelligent Autonomous Mechatronics Components"

Author: Schneider Electric GmbH
Event: IEEE Conference on Industrial Informatics (INDIN 2006)
Date: 16th-18th August 06
Venue: Grand Copthorne Waterfront Hotel, Singapore
Target audience: Industry
Degree of importance: 2

Contribution: Virtual Automation Networks (VAN)
Author: Otto von Guericke University of Magdeburg
Event: Marcusevans, Flexibility and IT-security in Automation with Ethernet
Date: 18th-19th September 2006
Venue: Düsseldorf, Germany
Target audience: Industry
Degree of importance: 5
Motivation Promote VAN results within automation industry and research

Author: Schneider Electric GmbH
Event: Annual Conference of the IEEE Industrial Electronics Society (IECON 2006)
Date: 7th November 2006
Venue: Paris, France
Degree of importance: 2

Author: Schneider Electric GmbH
Event: IEEE International Symposium on Industrial Electronics (ISIE 2007)
Date: 4th-7th June 2007
Venue: Vigo, Spain
Degree of importance: 2

Author: Schneider Electric GmbH
Event: IEEE Conference on Industrial Informatics (INDIN 2007)
Date: 23rd July 2007
Venue: Vienna Austria
Degree of importance: 2

Contribution: VAN project presentation
Author: Aucoteam GmbH
Event: International conference "Micro Nano Reliability 2007"
Date: 2nd September 2007
Venue: Fraunhofer Institut IZM Berlin, Germany
Target audience: Research community
Motivation: Dissemination of VAN idea in the international research community. Acquisition of international co-operation partners for further development of VAN solutions.
Degree of importance: 4

Workshops

Contribution: Presentation of VAN in the context of Species Workgroup
Author: Machining Centers Manufacturing S.P.A.
Event: CIRP General Assembly
Date: 26th January 2006
Venue: Paris
Target audience: Research community
Motivation: Species: Production System Evolution is a new Workgroup of CIRP. VAN technology has potential to support the high dynamic evolutive scenario studied by this WG.
Degree of importance: 2

Contribution: Presentation of VAN as infrastructure for P2 architecture.
Author: Machining Centers Manufacturing S.P.A.
Event: Pabadis Promise Full Meeting.
Date: 7th February 2006.
Venue: Patras, Greece.
Target audience: Research community.
Motivation: Pabadis Promise focus on distributed intelligence for manufacturing defines an interesting scenario for application of VAN.
Degree of importance: 2

Contribution: Virtual Automation Network – Challenge for Future Automation
Author: Jan Beran (Brno University of Technology)
Event: PdeS 2006 IFAC WORKSHOP on PROGRAMMABLE DEVICES and EMBEDDED SYSTEMS
Date: 14th – 16th February 2006
Venue: Department of Control and Instrumentation. Faculty of Electrical Engineering and Communication. Brno University of Technology. Czech Republic.
Target audience: Research community.
Motivation: Bring the notion of the VAN Project into research community.
Degree of importance: 3

Contribution: Presentation "Radio Based Communication in Automation"
Author: Ifak Magdeburg
Event: VDI-Workshop "Radio Communication in industrial Applications"
Date: 30th March 2006
Venue: Düsseldorf, Germany
Target audience: General Public
Degree of importance: 3

Contribution: Safety Properties of Industrial Communication
Author: Brno University of Technology
Event: 2nd Workshop of Industrial Ethernet INDETCOM'06
Date: 2006
Venue: Prague, Czech Rep.
Target audience: Research Community
Motivation: Bring the notion of the VAN Project into research community.
Degree of importance: 3

Contribution: Preparation and execution; TU Berlin
Author: Aucoteam GmbH
Event: Professional training course "How Virtual Automation Networks improve process control solutions"
Date: 1st September 2007
Venue: Berlin, Germany
Target audience: Research community
Motivation: Dissemination of VAN idea and of the VAN based enhancements for scientists and junior employees/students
Degree of importance: 4

Standardization

Contribution: Participation in MT9 meeting
Author: Ifak Magdeburg
Event: IEC TC65 "Industrial Process Measurement And Control" SC65C "Digital Communications"
Date: 5th-8th December 2005
Venue: Phoenix (AZ), USA.
Target audience: Public organizations

Contribution: Information about VAN activities
Author: Ifak Magdeburg
Event: IEC TC65 "Industrial Measurement And Control" SC65C "Digital Communications" MT9 Meeting
Date: 18th September 2006
Venue: Berlin, Germany
Target audience: Public organizations
Degree of importance: 4

Mass Media

Contribution: Industrial Ethernet – serial
Author: Brno University of Technology
Event: AUTOMA 2006
Date: 2006
Venue: Czech Republic
Target audience: General Public
Motivation: Bring the notion of the VAN Project into research community.
Degree of importance: 4

Contribution: "Wireless solutions for automation requirements"
Author: Schneider Electric GmbH
Event: IFAC Associated Journal ATP-International
Date: 1st August 2006
Venue: International
Target audience: Industry
Degree of importance: 1

Contribution: Preparation; distribution in Germany
Author: Aucoteam GmbH
Event: VAN publications in professional journals, like "atp - Automatisierungstechnische Praxis" (Oldenbourg Verlagsgruppe)

Date: 1st May 2007
Venue: Berlin, Germany
Target audience: Industry
Motivation: Dissemination of VAN enhancements in the national industries.
Degree of importance: 4

Internet

Contribution: Banner with link to VAN project Websites
Author: SIEMENS AG
Event: Banner on SIMATIC NET Homepage
Date: April 2006...September 2006
Target audience: Industry
Degree of importance: 2

Contribution: Basic introduction to VAN at our homepage with link to www.van-eu.eu
Author: Brno University of Technology
Event: Web Page
Date: 1st December 2006
Target audience: General public
Motivation: Bring the notion of the VAN Project into research community
Degree of importance: 4

Contribution: Reference to VAN project home page
Author: Machining Centers Manufacturing S.P.A.
Event: MCM Web page
Target audience: General public
Degree of importance: 1
Motivation This page show R&D strategy of MCM and start showing potential exploitation for VAN results.

Seminar

Contribution: Introduction of the VAN ideas in a subject "Industrial Automation" guaranteed by Prof. Frantisek Zezulka
Author: Brno University of Technology
Event: Lectures for MSc students
Date: 2007
Target audience: Research Community
Motivation: Bring the notion of the VAN Project into research community
Degree of importance: 4

Fairs

Contribution: Participation in the VAN panel discussion

Author: Phoenix Contact

Event: Hanover Fair – Forum Factory Automation

Date: 28th April 2006

Venue: Hanover, Germany

Target audience: General Public

Degree of importance: 3

Contribution: Presentation of VAN at IAONA booth

Author: Otto von Guericke University of Magdeburg

Event: Hanover Fair 2006

Date: 24th-28th April 2006

Venue: Hanover, Germany

Target audience: Industry

Degree of importance: 5

Motivation Promote VAN results within automation industry

Contribution: Guidebook "Wireless Technology Overview", Wireless Pavilion
Guidebook "Security Technology Overview", Security Pavilion

Author: Ifak Magdeburg

Event: Hanover Fair - Factory Automation

Date: 24th-28th April 2006

Venue: Hanover, Germany

Target audience: Industry

Degree of importance: 3

Contribution: INTERKAMA + Panel Discussion, "Wireless Automation - Any standard preferred?"

Author: Ifak Magdeburg

Event: Hanover Fair - INTERKAMA

Date: 24th-28th April 2006

Venue: Hanover, Germany

Target audience: Industry

Degree of importance: 3

Contribution: Forum Factory Automation Panel Discussion, "Security in industrial Automation - not only technical engineering!"

Author: Ifak Magdeburg

Event: Hanover Fair - Factory Automation
Date: 24th-28th April 2006
Venue: Hanover, Germany
Target audience: Industry
Degree of importance: 3

Contribution: VAN project presentation at Networking Lounge
Author: SIEMENS AG
Event: Hanover Fair - Factory Automation
Date: 24th-28th April 2006
Venue: Hanover, Germany
Target audience: Industry
Degree of importance: 3

Contribution: VAN project presentation at Networking Lounge and Panel Discussion about use of VAN in automation
Author: SIEMENS AG
Event: Hanover Fair - Factory Automation
Date: 24th-28th April 2006
Venue: Hanover, Germany
Target audience: Industry
Degree of importance: 2

Contribution: VAN project presentation on panel
Author: SIEMENS AG
Event: IFAT. 2nd International Trade Fair for Environmental Protection.
Date: 27th-30th June 2006
Venue: Shanghai, China
Target audience: Industry
Degree of importance: 4

Contribution: VAN project presentation on slides
Author: SIEMENS AG
Event: BIAS. 32nd Biennial international exhibition of automation, instrumentation, microelectronics and ict for industry
Date: 20th-23rd September 2006
Venue: Fiera Milano RHO-pero new exhibition centre
Target audience: Industry
Degree of importance: 3

Contribution: VAN presentation at Networking Lounge
Author: SIEMENS AG
Event: SPS/IPC/Drives 2006
Date: 20th-30th November-2006
Venue: Nuremberg, Germany
Target audience: Industry
Degree of importance: 3

Contribution: "Engineering von Automatisierungs- und Antriebsanlagen" (Session Chair)
Author: Schneider Electric GmbH
Event: SPS IPC Drives 2006
Date: 28th November 2006
Venue: Nuremberg, Germany
Target audience: Industry
Degree of importance: 3

Contribution: Exhibitor; presentation and discussion of "VAN objectives, aims and solutions"
Author: Aucoteam GmbH
Event: Hanover Fair 2007
Date: 14th April 2007
Venue: Hanover, Germany
Target audience: Industry
Degree of importance: 4
Motivation Dissemination of VAN idea and business development

Contribution: Exhibitor; presentation of "VAN solutions, enhancements for costumer projects"
Author: Aucoteam GmbH
Event: SPS & Drives Fair 2007
Date: 15th November 2007
Venue: Nuremberg, Germany
Target audience: Industry
Degree of importance: 4
Motivation Dissemination of VAN idea and business development

User Organizations

Contribution: Close Co-operation, mutual input

Author: Otto von Guericke University of Magdeburg
Event: IAONA Joint Technical Working Groups (JTWGs)
Date: Regular – 20th-February 2006 and 13th March
Target audience: Industry
Degree of importance: 5
Motivation Promote VAN results within automation industry, mutual input

Contribution: Close Co-operation, mutual input
Author: Otto von Guericke University of Magdeburg
Event: IAONA Joint Technical Working Groups (JTWGs)
Date: Regular – 3rd-March 9th May 2006
Target audience: Industry
Degree of importance: 5
Motivation Promote VAN results within automation industry, mutual input.

Contribution: Discussion of VAN architecture with PNO experts
Author: Ifak Magdeburg
Event: Profibus User Organisation (PNO) TC2 WG11 "PROFINET IO"
Date: 11th May 2006
Venue: Fulda, Germany
Target audience: Industry
Degree of importance: 2

Contribution: Report on VAN Objectives and Aims
Author: Ifak Magdeburg
Event: GMA permanent working group FA 5.21 "Radio Based Communication" within the German VDI/VDE-Gesellschaft
Date: 23rd May 2006
Venue: Frankfurt, Germany
Target audience: Industry
Degree of importance: 2

Contribution: Report on VAN Objectives and Aims
Author: Ifak Magdeburg
Event: ZVEI permanent working group "Wireless"
Date: May, 2006
Venue: Frankfurt, Germany
Target audience: Industry
Degree of importance: 2

- Contribution:** VAN project overview presentation
Author: Phoenix Contact Electronics GmbH
Event: Interbus Club Jahresversammlung
Date: 14th June 2006
Venue: Baden-Baden, Germany
Target audience: Industry
Degree of importance: 4
- Contribution:** Report on VAN Objectives and Aims
Author: Ifak Magdeburg
Event: PROFIBUS INTERNATIONAL working group "Wireless PROFINET"
Date: June, 2006
Venue: Nurenberg, Germany
Target audience: Industry
Degree of importance: 2
- Contribution:** Report on VAN Objectives and Aims
Author: Ifak Magdeburg
Event: GMA permanent working group FA 5.21 "Radio Based Communication" within the German VDI/VDE-Gesellschaft
Date: 5th September 2006
Venue: Frankfurt, Germany
Target audience: Industry
Degree of importance: 2
- Contribution:** Preparation and printing; distribution in Germany/Berlin and Brandenburg
Author: Aucoteam GmbH
Event: Information brochure "Virtual Automation Networks in the process industry"
Date: 1st April 2007
Venue: Berlin, Germany
Target audience: Industry
Degree of importance: 4
Motivation Dissemination of VAN enhancements in the national industries.
- Author:** Schneider Electric GmbH
Event: IEEE International Journal on Industrial Informatics
Date: Not defined
Venue: International

Target audience: Research community

Degree of importance: 2

Author: Schneider Electric GmbH

Event: EU FP6 Network of Excellence IPROMS

Date: Not defined

Venue: International

Target audience: Research Community

Degree of importance: 3

Congresses

Contribution: Presentation Industrial Wireless LAN

Author: SIEMENS AG

Event: "VDI Tagung Funk"

Date: May, 2006

Venue: Darmstadt, Germany

Target audience: Industry

Degree of importance: 3

Contribution: Presentation "Selection of suitable radio solutions for applications of automation"

Author: Ifak Magdeburg

Event: Wireless Automation

Date: 8th May 2006

Venue: Darmstadt, Germany

Target audience: General Public

Degree of importance: 3

Contribution: Evaluación de impacto social de proyectos de I+D: una propuesta de aplicación para grandes proyectos tecnológicos.

Author: CARTIF Foundation

Event: Congreso Iberoamericano de Ciencia, Tecnología, Sociedad e Innovación

Date: 19th-23rd July 2006

Venue: México DF

Target audience: Research Community

Motivation: Present VAN social impact methodology to the Iberoamerican Research Community.

Degree of importance: 2

Contribution: VAN Project Presentation

- Author:** SIEMENS AG
- Event:** ZVEI GA KA (Communication Committee of ZVEI)
- Date:** September-2006
- Target audience:** Industry
- Degree of importance:** 1
-
- Contribution:** Invited panel speaker
- Author:** Schneider Electric GmbH
- Event:** IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2006)
- Venue:** Prague, Czech Republic
- Date:** 1st September 2006
- Degree of importance:** 1
-
- Contribution:** VAN project overview presentation and first results
- Author:** Phoenix Contact Electronics GmbH
- Event:** Industrial Communication Congress participation requested, confirmation pending
- Date:** 19th September 06
- Venue:** Blomberg, Germany
- Target audience:** Industry
- Degree of importance:** 3
-
- Contribution:** Presentation "Application Scenarios for ZigBee in industrial Applications"
- Author:** Ifak Magdeburg
- Event:** Wireless Technologies Congress
- Date:** 28th September 2006
- Venue:** Dortmund, Germany
- Target audience:** General Public
- Degree of importance:** 3
-
- Contribution:** VAN Paper Presentation
- Author:** SIEMENS AG
- Event:** International Congress ANIPLA 2006
- Date:** 13th-15th-November-2006
- Venue:** Rome, Italy
- Target audience:** Research Community
- Degree of importance:** 4

Contribution: Horizontal and Vertical Integration for Automation Systems – Virtual Automation Networks

Author: Otto von Guericke University of Magdeburg

Event: Anipla 2006, METHODOLOGIES FOR EMERGING TECHNOLOGIES IN AUTOMATION

Date: 13th-15th-November-2006

Venue: Rome, Italy

Target audience: Research Community

Degree of importance: 5

Motivation Promote VAN results within automation research

Contribution: Poster presentation

Author: Politecnico di Milano

Event: ANIPLA International Congress "Methodologies for Emergin Technologies in Automation"

Date: 13th-15th-November-2006

Venue: Rome, Italy

Target audience: Industry

Degree of importance: 4

Motivation Interaction with Italian market and complementary researcher with respect to other congresses;

Author: Schneider Electric GmbH

Event: I*PROMS Virtual International Conference on Intelligent Production Machines and Systems, 2007

Date: 2nd-13th July 2007

Venue: Cardiff, UK

Target audience: Industry

Degree of importance: 3