



Deliverable

39

Report on Dissemination Activities and Plan V3

WP14 Dissemination

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CCLRC

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Version 1

TrustCoM

A trust and Contract Management framework enabling secure collaborative business processing in on-demand created, self-managed, scalable, and highly dynamic Virtual Organisations

SIXTH FRAMEWORK
PROGRAMME

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Table of Content

1	<i>Executive Summary</i>	5
2	<i>Introduction</i>	6
3	<i>Dissemination in the first 24 months</i>	7
3.1	Dissemination Actions in period 4.	8
4	<i>Dissemination plan for the final 12 months</i>	13

1 Executive Summary

This report details the dissemination activities in the first two years of the Trustcom project and updates the dissemination plan published as D5 in July 2004, and revised in July 2005 in D23 to cover the final year of the project. Previous dissemination has been plentiful, the current period shows a trend from conference presentations towards journal publication, while future dissemination is planned to be based on demonstrations of the tools increasingly directed towards business audiences to build towards the exploitation of the Trustcom results both in commercial products and as a publicly maintained Open Source implementation of the Trustcom Framework.

2 Introduction

This report details the dissemination activities in the first two years of the Trustcom project and updates the dissemination plan published as D5 in July 2004, and revised in July 2005 in D23 to cover the final year of the project. The remainder of this introduction briefly summarises the dissemination strategy defined in D23, before reviewing the last 6 months, and planning for the final 12 months.

Dissemination is recognized as one of the central activities within the TrustCoM project and all partners are contributing to the achievement of its tasks. The objectives of the dissemination activity are:

- To ensure the dissemination of the project results to a wide reaching audience to make the community aware of the results of Trustcom and encourage the research community to refine them;
- To establish TrustCom's presence as the leading technical project on Virtual Organisations to encourage adoption of the results of Trustcom;
- To influence decision-making bodies and improve the development of the market sector through the adoption of the results of Trustcom;
- To inform and promote activities with the public at large to encourage end users to have requirements for the services they use to conform to the results of Trustcom.

Dissemination draws upon the results in all technical workpackages and informs the strategic exploitation plans of the consortium by ensuring maximum uptake of the consortium results and maximising the benefit to the IT community at large. However, commercial exploitation and standardisation activities are addressed in separate workpackages and are outside the scope of this deliverable.

The dissemination activities have been organised according to the intended target audience namely:

- Dissemination to peers in research
- Dissemination to other industrial and commercial organisations
- Liaison with other EU projects and the Commission
- Dissemination to the General Public

3 Dissemination in the first 24 months

The instances of dissemination by the project in the first 24 months have been:

months	1-6	7-12	13-18	19-24
public web site	1	-	-	-
journal or magazine articles	2	2	0	15
conference presentations with published papers	22	2	22	17
Tutorials	2	0	1	3
Seminar or invited talks at conferences/ workshops	1	1	15	8
Summer school participations	0	2	0	0
Panel sessions in conferences and several other panel participations	3	0	2	0
Workshop inside another conference	1	0	1	1
CEC Concertation & Cluster events	2	0	4	-
Contacts with other EU projects	<i>many</i>	<i>many</i>	<i>many</i>	
press releases	1	1	0	0

The obvious trend in this data is that the project is now publishing more academic research results through journals and less through conferences than it did earlier in the project, as the work has matured.

Dissemination to peers in research.

Within the domain of research peers, Trustcom addresses several different communities, including:

- o Trust
- o e-business
- o Virtual organisations
- o Security
- o Web Services
- o Grid technologies

One strategy that Trustcom has adopted to make an impact in each domain without our general effort being dissipated among too many audiences, has been to focus on one conference from one domain each six months, and make a significant impact there.

Dissemination to other industrial and commercial organisations.

The major form of dissemination to other industrial organisations is planned to be through the influence of profiles on standards. This will come into effect in the final 12 months of the project.

A one day roadshow is being developed, based around business arguments for Trustcom that can be presented to Trustcom companies, sampled for business fairs and application audiences. The roadshow includes PowerPoint slides and video of the demonstrations available, a handout leaflet and a larger brochure. The leaflet is already available and has been distributed at events.

Liaison with other projects and the Commission

Trustcom staff have been active in Clusters in Enterprise Interoperability, Grid Technologies, Legal-IST. CCLRC are leading the trust and security workpackage in the CoreGrid NoE where the Trustcom results have been included in reviews of the state of the art, and presented at workshops. Along with direct contact with individual IST projects, these have ensured that participants in other projects are aware of Trustcom.

Dissemination to the general public.

Two press releases, and one TV programme recording that was not broadcast have been the only general dissemination activities so far to the general public. However, since we do not yet have developed demonstrators to present, this is appropriate for the plan.

3.1 Dissemination Actions in period 4.

The dissemination activities for the first 3 periods have been reported already. Those from the fourth period are listed below. Note that there is duplicate counting between this list and those activities reported as collaboration with clusters and other projects in D40 in some cases. Some of this dissemination is also reported as either standardisation activities or exploitation activities elsewhere.

Conference Presentations

1. B. Koller, L. Schubert: "Towards Autonomous SLA Management Using a Proxy-like Approach"
presented at the 2nd International conference on Grid Services Engineering and Management (GSEM 2005) that was held in Erfurt (Germany) on 19-22 September 2005
published in R. Hirschfeld, R. Kowalczyk, A. Polze, M. Weske (Eds.): "NODE 2005, GSEM 2005 – Proceedings", Gesellschaft für Informatik 2005
2. L. Schubert, S. Wesner, T. Dimitrakos: "Secure and Dynamic Virtual Organizations for Business"
presented at the 15th annual Conference eChallenges 2005, Ljubljana (Slovenia) 19-21 October 2005
published in P. Cunningham, M. Cunningham: "Innovation and the Knowledge Economy, Part 2", IOS Press 2005

3. B. Koller, L. Schubert: "Autonomous Quality of Service Management in Virtual Organisations"
presented at the 15th annual Conference eChallenges 2005, Ljubljana (Slovenia) 19-21 October 2005
4. Access Control Enforcement for Conversation-based Web Services M. Mecella, M. Ouzzani, F. Paci, E. Bertino Accepted at WWW2006 conference, May 22–26, 2006, Edinburgh, UK.
5. Mahler, Tobias; Vraalsen, Fredrik. Legal Risk Analysis with Respect to IPR in a Collaborative Engineering Virtual Organization Sixth IFIP Working Conference on VIRTUAL ENTERPRISES, IFIP TC5 WG 5.5, Valencia, Spain 26.09.2005 - 28.09.2005. Published in Collaborative Networks and their Breeding Environments, 2005. Also published in Krog, Georg Philip; Bekken, Anne Gunn B. (ed). Yulex 2005, Unipub, Oslo 2005, p. 69-81.
6. S. O. Kimbrough, A. S. Abrahams, A. J I Jones, D. Eyers and J. Bacon, "Introducing the Fair and Logical Trade Project", *Workshop on Contract Architectures and Languages (CoALa 2005)*, 20 Sept 05, Enschede, The Netherlands.
7. Andrew J I Jones, 'On the Concept of *Role*', presented at FMEC 2005 (Workshop on Formal Modelling in Electronic Commerce), Bologna, Italy, June 2005.
8. Under review: A.J.I. Jones and Steven O. Kimbrough, 'On the normative aspect of signalling conventions', submitted to the *Eighth International Workshop on Deontic Logic in Computer Science, (DEON 2006)*, Utrecht, Holland, July 2006.
9. Wensheng Xu, David Chadwick, Sassa Otenko. "A PKI based secure audit web service". IASTED Communications, Network and Information Security CNIS, November 14 - November 16, 2005, Phoenix, USA
10. Christian Geuer-Pollmann, How to Make a Federation Manageable, Lecture Notes in Computer Science, Volume 3677, Sep 2005, Pages 330 – 338 CMS 2005, 9th IFIP TC-6 TC-11 Conference on Communications and Multimedia Security, 19-21 September 2005, Salzburg, Austria.
11. Philip Robinson, Automatic Derivation of Access Control Policies from a Choreography, SACMAT (ACM Symposium on Access Control Models and Technologies), California, June 2006.
12. Jochen Haller, Trustcom Paper, International Workshop on Security and Trust in Decentralized/Distributed Data Structures (STD3S), April 3-7, 2006, Atlanta, GA, USA
13. P Kearney, (2005) A paper about the SLA Management concepts in TrustCoM was published within the scope of the GSEM conference.
14. Alvaro Arenas, David Chadwick, Theo Dimitrakos, Jurgen Doser, Pablo Giambiagi, David Golby, Christian Geuer-Pollman, Jochen Haller, Stølen Ketil, Tobias Mahler, Lorenzo Martino, Xavier Parent, Santi Ristol, J Sairamesh, Lutz Schubert, Nilufer Tuptuk, The TrustCoM approach to enforcing agreements between interoperating agents. Submitted to I-ESA '06, Bordeaux, France, March 2006.
15. A Svirskas, R Roberts, MD Wilson. Peer-To-Peer Business Communities: Mapping Public Choreography Protocols to Individual Implementation Mechanisms IADIS

International Conference Web Based Communities 2006, San Sebastian, Spain, February 2006, paper accepted.

16. A Svirskas, R Roberts, MD Wilson Towards Adaptive and Flexible B2B Collaborations using Web Services Choreography, PROVE-06 25-27 Sep 2006, Helsinki, Finland, submitted.
17. Wilson MD Development of Semantic Web technologies for integrating distributed information and services – Invited Keynote; Baltic DB&IS 2006 Conference.

Conference Tutorial

SINTEF held a tutorial titled "Model-based analysis of security and trust using CORAS" based on the legal risk analysis of the TrustCoM CE scenario performed in WP9. The tutorial was held at the SAFECOMP 2005 conference (<http://www.hrp.no/safecomp2005>) in Fredrikstad, Norway on the 26th of September last year.

SINTEF have submitted a proposal to CAISE'06 (<http://www.tudor.lu/caise06>) for a tutorial titled "Model-based risk analysis of trust, security & legal issues using CORAS"

Alvaro E. Arenas, Trust and Security in Virtual Organisations, Invited tutorial, XXXI Latin American Conference on Informatics (<http://www.clei2005.org/>), October 10-14, Cali, Colombia

Conference Workshop

1. S. Wesner: "Next Generation Virtual Organisation Concepts in GRID Environment" held at the 15th annual Conference eChallenges 2005, Ljubljana (Slovenia) 19 October 2005

Workshop Presentations

1. G. Boström, P. Giambiagi and T. Olsson. "Quality of Service Evaluation in Virtual Organizations using SLAs", submitted to the 1st International Workshop on Interoperability Solutions to Trust, Security, Policies and QoS for Enhanced Enterprise Systems (IS-TSPQ 2006), January 2006.
2. G. Boström, J. Wäyrynen, M. Bodén, K. Beznosov and P. Kruchten. "Extending XP Practices to Support Security Requirements Engineering", submitted to Software Engineering for Secure Systems (SESS'06), January 2006.
3. Mahler, Tobias. TrustCoM - Rechtliche Voraussetzungen für Vertrauen in virtuellen Organisationen. Juristische Aspekte einer verbindlichen Kommunikation, Föderative Geschäftsprozesse aus technischer und rechtlicher Sicht 2005, Juristische Aspekte einer verbindlichen Kommunikation, Föderative Geschäftsprozesse aus technischer und rechtlicher Sicht, Seminar organised by TeleTrusT e.V., AG 1, held at Hasso-Plattner-Institut, Universität Potsdam, Germany, on 02.11.05.
4. Mahler, Tobias. Searching for interfaces between legal methods and risk analysis. Seminar on Legal Risk Management 2005, Norwegian Research Center for Computers and Law, Oslo, Norway, 10.11.05.
5. David Chadwick, Terena Task Force EMC2 meeting in Barcelona, 8-9 Sept 2005 Presentation on Delegation Issuing Web Service
6. J Siamesh, NESSI Workshop on Strategy and Research - VO Concepts presented - Nov, 2005

7. J Siamesh, NGG3 Workshop on Technical roadmap and direction for Grid Services - VO concepts discussed - Dec, 2005
8. J Siamesh, Services and Software Workshop (EU commission) - VO concepts discussed and presented - January, 2006.

Journal Articles & Book Chapters

1. B. Sadighi and M. Sergot. "The Role of Agreements in Virtual Organisations", submitted to the Journal of Scandinavian Law Studies, November 2005.
2. Ws-Ac: a fine grained Access Control model for Web Services E. Bertino, A. C. Squicciarini, I. Paloscia, L. Martino World Wide Web, Kluwer. Status: Accepted for publication
3. An adaptive Access Control model for Web Services E. Bertino, A. C. Squicciarini, L. Martino, F. Paci International Journal of Web Services Research (JWSR). Status: Accepted for publication
4. E. Bertino, L. Martino "Security for Web Services - Standards, Systems and Research Issues". Status: Planned. This is a chapter for a Springer-Verlag monograph on testing and analysis of Web services/service-oriented applications.
5. Mahler, Tobias; Bing, Jon. Contractual Risk Management in an ICT Context – Searching for a Possible Interface between Legal Methods and Risk Analysis. In Wahlgren, Peter. A Proactive Approach. Scandinavian Studies in Law, Vol. 49, 2006 (in print).
6. F. Vraalsen & Mahler, Tobias "Model-based enterprise security risk analysis using CORAS" in Idea Group book "Advances in Enterprise Information Technology Security" (proposal submitted).
7. A.J.I. Jones and X. Parent, 'Normative-informational positions – a modal logical approach'. Submitted to a leading international journal.
8. A.J.I. Jones and X. Parent, 'A convention-based approach to Agent Communication Language'. Submitted to a leading international journal.
9. A. J. I. Jones and Steven O. Kimbrough, 'A Convention-Based Approach to a Formal Language for Business Communication'. Submitted to a leading international journal.
10. A.J.I. Jones and S. O. Kimbrough, 'A note on modelling speech acts as signalling conventions'. In S.O. Kimbrough and D.J. Wu, eds., *Formal Modelling in Electronic Commerce (FMEC)*, *International Handbooks on Information Systems*, pp. 325-342, Springer, Berlin, Germany, 2005, ISBN 3-540-21431-3
11. Paper on approaches to federation in a BT Technology Journal issue on Identity Management. The paper makes use of knowledge gained within TrustCoM and references the TrustCoM web site and papers. The issue overall has been well received in BT and is being distributed to BT customers interested in Identity Management
12. Bandara A., E. Lupu and M. Sloman "Policy-based Management" submitted for consideration in view of publication in the Elsevier Handbook of Network and System Administration.
13. A Svirskas, R Roberts, MD Wilson. Towards the architecture of managed dynamic virtual organisations for e-business communities, *International Journal Web Based Communities*, in press.

14. Wilson MD Trust in computer mediated virtual organisations in Putnik & Cunha (Eds) Encyclopedia of Networked and Virtual Organizations, Idea Group Reference; accepted for publication.
15. Alvaro E. Arenas, Michael Wilson, Brian M. Matthews , Trust and Security in Virtual Organisations, Submitted to Journal of Parallel and Distributed Computing, special issue on security in grids and distributed systems Elsevier, Results expected by end of February 2006

Events where the Trustcom Leaflets have been distributed.

The Ministerial eGovernment Conference took place on 24-25 November in Manchester and was co-organised by the UK Presidency and the European Commission. See <http://www.egov2005conference.gov.uk/> for further information.

Other Press, industrial events etc...

On October 7th, Dr. Lorenzo Martino presented a seminar about Trust Negotiation and the TrustCom project to the faculty of the department of Computer Technology (CPT) at Purdue University, West Lafayette, USA. The department offers degree programs in Information Systems and Telecommunications and Networking, focussing on the application of information technologies to solve business and industrial problems. One of the interests of CPT is the evaluation of the stability and maturity level of the web services standard so that they can be covered in their courses.¹

Article on the BT Security Research Centre including TrustCoM participation published in October 2005 issue of ERCIM News (Security and Trust Management)

¹ (the full report is under trustcom\pub\AL4 WP14
Dissemination\plans_and_reports\20051007UoMatPurdue

4 Dissemination plan for the final 12 months

Dissemination to peers in research.

General dissemination to specialist technical audiences will continue during the final phase of the project.

The main focus of technical dissemination will switch from descriptions of the objectives and architecture of the project to demonstrations of technical achievement. Since the nature of the presentations will change, so will the audience. There will be a move towards:

- technical Web Services and Grid audiences to present the achievements of the specifications and implementations, leading to profiles
- application audiences for the aerospace and e-learning

The target audiences will include:

iTrust 2006 – Pisa, 16-19 May; submission deadline Nov 18th 2005

Xtech 2006 – Amsterdam, Netherlands, 16 – 19 May

EDOC 2006 in Hong Kong – following 19-23 Sep, Netherlands

IEEE ECOWS 2006 – following Nov 14-16, Sweden

CEC Grid Event in 2006 – business oriented day.

EU IST Conference 2006, 22 - 24 November 2006, Helsinki, Finland

It is planned to present demonstrations of the TrustCoM technology at this year's iTrust conference.

Dissemination to other industrial and commercial organisations.

Two avenues for business oriented dissemination will be pursued :

- Demonstrable business focused presentations to:
 - Trustcom companies, customers, suppliers and related companies
 - Business fairs, SME forums
- application audiences for the aerospace and e-learning

The only business fair being considered so far is Cebit 2006.

Application focused events being considered include :

For e-learning, the 2006 conferences after:

Online Educa Berlin 2005, Nov 20 - Dec 2

EU eLearning conference, Brussels 19-20 May

For aerospace – various possible conferences on LPM and Product Data Interchange.

Liaison with other projects and the Commission

Trustcom members have been active in the Grid clusters, in the Enterprise Interoperability cluster and in Legal-IST, and the CoreGrid NoE all of which are expected to continue to provide avenues for dissemination to other projects.

Dissemination to the general public.

The project has no plans to disseminate to the general public other than opportunistically to respond to any journalists who contact us on the basis of our more specialist actions. It is planned to encourage partners to issue press releases when there are significant demonstrable results that the press might pick up on which should inspire press interest, but at present the technology is at too early a stage of development to be of interest to the public beyond the overall objective of making the dynamic interoperability of business value chains more secure and trustworthy through our work.