DI2.4: PROMISE
Dissemination Report

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ABSTRACT:	This deliverable describes the PROMISE dissemination activities of the project period M30 to M36 including the planned activities.

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1   Introduction

In this report the dissemination activities of the PROMISE project will be presented from project month 30 up to PM 36. This also includes publications and presentations for scientific conferences and journals publications, which are foreseen for presentation and publication.

2 Publications and presentations

2.1 Journal papers and conference proceedings

During the considered period members of the consortium prepared about 22 conference papers presented or to be presented at about 11 different conference and 5 journal articles already or to be published.

No	Authors	Title	Forum
1	Anja Klein	Incorporating Quality Aspects in Sensor Data Streams	1.Workshop for Ph.d. in Information and Knowledge Management (PKIM07) in ACM Sixteenth Conference on Information and Knowledge Management (CIKM 2007), November, 2007, Lisbon, Portugal
2	Bufardi, A., Folan, P., Kiritsis, D., Xirouchakis, P.	Transformation of product field data into knowledge.	12th IFAC Symposium on Information Control Problems in Manufacturing, Saint-Etienne, France, 17-19 May, pp. 241-246 (2006).
3	Cao, H., Folan, P., Lu, Z., Mascolo, J., Francone, N. and Browne, J.	Design of an End-of-Life Decision Support System using Product Embedded Information Device Technology	12th International Conference on Concurrent Enterprising, 2006.
4	Anke, J. Wolf, B. Neugebauer, M. Eisenreich, K. Do, H.-H. Hackenbroich, G.	A Middleware for Real-world Aware PLM Applications	15. ITG/GI-Fachtagung Kommunikation in Verteilten Systemen (KiVS07), 26 Februar-2 March 2007, Bern, Switzerland.
5	Jürgen Anke, Christian Sell	Seamless Integration of Distributed OSGi Bundles into Enterprise Processes using BPEL	15. ITG/GI-Fachtagung Kommunikation in Verteilten Systemen (KiVS'07), 26 Februar-2 March 2007, Bern, Switzerland.
6	Främling, K.	Replacing eligibility trace for action-value learning with function approximation.	15th European Symposium on Artificial Neural Networks
7	Bufardi, A.; Edler, A.; Frey, M.; Metin, A.; Kiritsis, D.; Smith, B.	Improving Product Development by Design-for-X (DfX) Support	17th CIRP STC Design Seminar "The Future of Product Development", 26-28 March, Berlin, Germany.
8	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Research issues on Closed Loop PLM: PROMISE approach	18th International Conference on Production Research, July 31-August 4, Fisciano, Italia, 2005.
9	Leonardo Weiss F Chaves, Jürgen Anke, Luciana Moreira sa de Souza, Jens Müller..	Service Lifecycle Management Infrastructure for Smart Items	1st International Workshop on Middleware for Sensor Networks (MidSens'06), 28 November 2006, Melbourne, Australia.
10	Dimitris Kiritsis, Hong-Bae Jun, Ahmed Bufardi, Dimitra Pli, Maria Anastasiou and Paul Xirouchakis	Engineering asset management using product embedded information device (PEID): PROMISE approach with application to telecom assets	1st world congress on engineering asset management (WCEAM), 11-14 July, Gold coast, Australia, 2006, Springer-verlag London ltd,
11	Klein, A. Do, H.-H. Hackenbroich, G. Lehner, W.	Representing Data Quality for Streaming and Static Data	2. AIMS Workshop, 20 April 2007, Istanbul

12	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	A primitive ontology model for product lifecycle meta data in the closed-loop PLM	2007 I-ESA Interoperability for enterprise software and applications, March, 28-29, 2007, Funchal, Portugal.
13	Zheng, L. Cao, H. Folan, P. Potter, D. Browne, J.	RFID-based information management in the automotive plastic recycling industry	3rd International ICSC Symposium (ITEE 2007) on Information Technologies in Environmental Engineering, Oldenburg, Germany, March 29-30, pp. 397-409.
14	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Product usage information modelling in a ubiquitous environment	4th EU RFID Academic Convocation, 14th March, 2007.
15	Hong-Bae Jun, Maurice Ruibal, Dimitris Kiritsis, and Paul Xirouchakis	Streamlining Asset Maintenance throughout Analysis of its Usage Data,	Advanced Production Management Systems Conference 2006 of the IFIP working group 5.7, September, 18-20, 2006, Wroclaw, Poland, pp. 93-98.
16	Cassina, J., Tomasella, M., Matta, A., Taisch M., Felicetti, G.	Closed-loop PLM of household appliances: an industrial approach	APMS 2007 of the IFIP Working Group 5.7
17	Youngseok Kim, Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	A Methodology for Modeling a Quality Embedded Remanufacturing System	APMS 2007 of the IFIP Working Group 5.7
18	Matta, A., Tomasella, M., Valente, A.	Impact of Ramp-Up on the Optimal Reconfiguration Policy for Modern Production Systems	CARV 07, International Conference on Changeable, Agile, Reconfigurable and Virtual production systems
19	Främling, K., Ala-Risku, T., Kärkkäinen, M., Holmström, J.	Design Patterns for Managing Product Life Cycle Information	Communications of the ACM, Vol. 50, No. 6, 2007. pp. 75-79.
20	R.Fornasiero, D.Panarese, J.Cassina, M.Taisch:.	Maintenance management: a case study for machine tools	Conference on Maintenance Management, Roma - 27-28 Settembre 2007
21	Cassina, J., Tomasella, M., Matta, A., Taisch M., Terzi, S.	Proposal of a PLM Standard	ICE 2007 International Conference
22	Hong-Bae Jun, Jong-Ho Shin, Dimitris Kiritsis, and Paul Xirouchakis	System architecture for closed-loop PLM	Information Control Problems in Manufacturing 2006, A proceedings volume 1 from the 12th IFAC International Symposium, May 17-May 19
23	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Product lifecycle modeling with RDF	International Conference on Product Lifecycle Management (PLM' 05), IUT Lumiere-Lumiere University of Lyon, France, 11-13 July 2005.
24	Cassina, J., Tomasella, M., Matta, A., Taisch M., Terzi, S.	Proposal of a PLM Standard for mass products	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9
25	John Bishop, Carl Hans, Igor Sbarski, Martin Schnatmeyer and Klaus-Dieter Thoben	Integrated Assessment of Recycling Options for Mixed Waste Plastics Fractions	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp 725-732

26	Carl Hans, Karl A. Hribernik, David Potter, Paul Folan, Klaus-Dieter Thoben	Tracking and Tracing in the End-of-Life Phase of Product Lifecycle Management	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp 733-742
27	Cecile Corcelle, Kary Främling, Lutz Rabe, Jürgen Anke, Jouni Petrow	Assessment of item-specific information management approaches in the area of heavy load vehicles	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp 773-782
28	Daniel Barisic, Guido Stromberg, Martin Krogmann, Daniel Bichler, Manuel Löw	An Approach to enhance Product Lifecycle Management with intelligent Sensors	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp 783-790
29	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Design improvement method using product usage data in a closed-loop PLM	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp pp.743-752
30	Hong-Bae Jun, Dimitris Kiritis, and Paul Xirouchakis	Tracking and Tracing Product Lifecycle Data in a Closed-loop PLM	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp pp.763-771
31	Corcelle, C., Främling, K., Rabe, L., Anke, J., Petrow, J.	Assessment of item-specific information management approaches in the area of heavy load vehicles	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp pp.773-782
32	R.Fornasiero, M.Sorlini, J.Mascolo, N.Francone	A Decision Support System for Lifecycle management: a cost evaluation approach to maintenance planning.	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp.791-798
33	R.Fornasiero, A.Zangiacomi, D.Panarese, J.Cassina, M.Taisch:.	An integrated approach to decision support for maintenance management: a case study for machine tools	International Conference on Product Lifecycle Management 2007 Milano Italy. Conference Proceedings ISBN 0-907776-32-9, pp.791-798.
34	Cassina, J., Taisch, M., Zanotto, M.	Proposal for a methodology for the development of predictive maintenance decision support system based on artificial intelligence	MM 2007, International Conference on Maintenance Management
35	A. Matta, A. Shaw, L. Rabe, A. Bufardi, P. Folan, B. Moseng	Deriving Specifications for Training Courses in Large Engineering Integrated Projects: A Practical Experience	SEFI-IGIP 2007, Joining forces in engineering: education towards excellence, 1-4 July 2007, Miskolc Hungary; Eds. L. Szentirmai, T. G. Szarka, pp.61-64
36	Daniel Barisic, Guido Stromberg, Martin Krogmann, Peter Schramm	Making Embedded Software Development more Efficient with SOA	SOCNE07 Workshop in conjunction with AINA07

No	Authors	Title	Journal
37	Karl Hribernik, Lutz Rabe, Robertino Solanas	Conception of an Architecture to Support Item-specific Product Information Management	Submitted to Internet of Things 2008, International Conference for Industry and Academia, March 26-28, 2008 / Zurich
38	Nyman, J., Michel, V., Främling, K.	Gathering Product Data from Smart Products	Submitted to Internet of Things 2008, International Conference for Industry and Academia, March 26-28, 2008 / Zurich
No	Authors	Title	Journal
1	Hong-Bae Jun, Dimitris Kiritsis, Mario Gambera, and Paul Xirouchakis	Predictive Algorithm to Determine the Suitable Time to Change Automotive Engine Oil	Computers and Industrial Engineering, vol. 51, pp. 671-683, 2006
2	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Research issues in closed-loop PLM	Computers in Industry, 2007
3	Främling, K., Harrison, M., Brusey, J., Petrow, J.	Requirements on unique identifiers for managing product lifecycle information - comparison of alternative approaches	International Journal of Computer Integrated Manufacturing (not yet published)
4	Hong-Bae Jun, Jong-Ho Shin, Youngseok Kim, Dimitris Kiritsis, and Paul Xirouchakis	RFID applications in PLM	International Journal of Computer Integrated Manufacturing, 2007
5	Hong-Bae Jun, Jong-Ho Shin, Dimitris Kiritsis, and Paul Xirouchakis,	System Architecture for Closed-loop Product Lifecycle Management	International Journal of Computer Integrated Manufacturing: Integrated Design of Product and Manufacturing Process
6	Matta, A., Tomasella, M., Valente, A.	Impact of ramp-up on the optimal capacity-related reconfiguration policy	International Journal of Flexible manufacturing Systems (IJFMS), in press
7	Hong-Bae Jun, Fabrizio Lo Conte, Dimitris Kiritsis, and Paul Xirouchakis	A predictive algorithm for estimating the quality of vehicle engine oil	International Journal of Industrial Engineering, 2007
8	Cassina, J.	A new closed-loop PLM Standard for mass products	International Journal of Product Development (IJPD), in press
9	Hong-Bae Jun, Mathieu Cusin, Dimitris Kiritsis, and Paul Xirouchakis	A multi-objective evolutionary algorithm for EOL product recovery optimization: Turbocharger case study	International Journal of Production Research
10	Matta, Andrea; Tomasella, Maurizio; Clerici, Matteo; Sacconi, Silvia	Optimal Reconfiguration Policy to react to Product Changes	International Journal of Production Research
11	Matta, A., Tomasella, M., Clerici, M., Sacconi, S.	Optimal reconfiguration policy to react to product changes	International Journal of Production Research (in press)
12	Hong-Bae Jun, Mathieu Cusin, Dimitris Kiritsis, and Paul Xirouchakis	A multi-objective evolutionary algorithm for EOL product recovery optimization: Turbocharger case study	International Journal of Production Research, 2007
13	Do, H.-H. Anke, J. Hackenbroich, G.	Giving Products a Life of its Own,	SAP INFO Online, http://www.sap.info/int/go/32290/
14	HB Jun, D. Kiritsis and P. Xirouchakis	Research issues on closed-loop PLM	Submitted to Computers in Industry
15	Cao, H., Folan, P., Mascolo, J., Francone, N., Browne, J.,	RFID in product lifecycle management: a case in the automotive industry	Submitted to International Journal of Computer Integrated Manufacturing

2.2 Presentations

Beside presentations on a series of research conferences mentioned above and the presentations listed in the chapter 3 *Sessions, workshops, national information days* PROMISE was presented at about 7 prominent events as listed below.

No	Authors	Title	Forum
1	Edler, A. Frey, M.	Improving Product Development by Design-for-X (DfX) Support	17th CIRP STC Design Seminar "The Future of Product Development", 26-28 March, Berlin, Germany.
2	Hong-Hai Do	PROMISE -Product Lifecycle Management and Information Tracking using Smart Embedded Systems	1st International Workshop on Advanced Manufacturing Systems June 1st 2007, Magdeburg, Germany
3	Kiritsis Dimitris	Transforming data and information into knowledge: PROMISE	3rd European PLM Summit 2007
4	Neugebauer, M.	PROMISE Project	7. EU-Forschungsrahmenprogramm – Europa auf dem Weg zur Spitze (15. Feb 07, Berlin)
5	David Potter	PROMISE Architecture Overview	Cambridge RFID Workshop 12-04-2007
6	Karl A. Hribernik, Martin Schnatmeyer, Andreas Plettner, Klaus-Dieter Thoben	Application of the Electronic Product Code EPC to the Product Lifecycle of Electronic Products	EU RFID FORUM 2007
7	Ajith Parlikad, Stavroula Theodorou, Duncan McFarlane	Lifecycle information management: Key Challenges	EU RFID FORUM 2007
8	Hong-Bae Jun; Dimitris Kiritsis; Paul Xirouchakis	Product usage information modelling in a ubiquitous environment	EU RFID FORUM 2007
9	Kiritsis, Dimitris	PROMISE project	EU RFID FORUM 2007
10	Mario Neugebauer	SAP Research's PROMISE Demo (RFID- and Sensor-based Maintenance of Vehicles)	Feldafingerkreis Conference, July 2007, St. Leon Rot, Germany
11	Peter Zencke	Presentation of Caterpillar-SAP's Use Case on Predictive Maintenance	ICT Meeting of European Ministries at CeBIT 2007, March 2007
12	Julien Mascolo	PLM data for improving end-of-life strategies in the automotive sector	ID WORLD 2006, 30/11/2006, Milan
13	Hackenbroich, G.	Enabling the real-world aware business	Keynote at EU RFID-Forum 2007 (March 13, 2007, Brussels)
14	Hackenbroich, G.	Optimizing Business Processes by Automatic Data Acquisition	Keynote at Northern Ireland RFID Conference & Exhibition 2006 (September 13, 2006, Belfast)
15	Kiritsis Dimitris	Achieving the Next Levelof PLM Maturity: Integrating External Data andClosing the Information Loops	Marcus-Evans Conference on PLM Strategies

No	Authors	Title	Source
16	David Potter	PROMISE Architecture Overview	PROMISE IRG Meeting Berlin 24-04-2007
17	Mario Neugebauer	SAP Research's PROMISE Demo (Repair or Replace: Efficient Maintenance of Vehicle)	SAP Internal Developer Kick-Off Meeting (DKOM), September, 2007, Karlsruhe, Germany
18	Daniel Grimm, Anja Klein	SAP Research's PROMISE Demo (Repair or Replace: Efficient Maintenance of Vehicle)	SAP Internal Executive Meeting on Enterprise Asset and Service Management, June 2007

2.3 Publications foreseen for publication

2.3.1 Book editions

PROMISE results are presented in five different books as described in the table below.

No	Authors	Title	Source
1	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Closed-loop PLM,	Advanced Manufacturing. An ICT and Systems perspective, editors M. Taisch, K.-D. Thoben. M. Montorio, publisher Taylor and Francis, 2007.
2	Youngseok Kim, Hong-Bae Jun, Dimitris Kiritsis, and Paul, Xirouchakis	A Methodology for Modeling a Quality Embedded Remanufacturing System	Advances in Production Management Systems, Springer
3	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	A primitive ontology model for product lifecycle meta data in the closed-loop PLM	Enterprise Interoperability II: New Challenges and Approaches, Springer verlag London Limited, Editors - R.J. Gonçalves, J.P. Müller, K. Mertins, and M. Zelm), pp. 729-740, 2007, ISBN 978-1-84628-857-9..
4	Dimitris Kiritsis	PLM and embedded information devices	Handbook of Automation, Springer
5	Hong-Bae Jun, Maurice Ruibal, Dimitris Kiritsis, and Paul Xirouchakis	Streamlining Asset Maintenance throughout Analysis of its Usage Data	Lean business systems and beyond, Springer
6	Hong-Bae Jun, Maurice Ruibal, Dimitris Kiritsis, and Paul Xirouchakis,	Streamlining Asset Maintenance throughout Analysis of its Usage Data	Lean Business Systems and Beyond, Springer publisher, 2007
7	Mario Neugebauer	Energy-efficient Duty Cycle Adaptation in Wireless Sensor Networks	PhD Thesis, TU Dresden, 2007, ISBN-10: 3938860065, Jörg-Vogt-Verlag,
8	Hong-Bae Jun, Dimitris Kiritsis, and Paul Xirouchakis	Product lifecycle modelling with RDF	Product Lifecycle Management: Emerging solutions and challenges for Global Networked Enterprise, Inderscience enterprise Ltd, 2005. pp. 44-54.
9	Dimitris Kiritsis, Hong-Bae Jun, and Paul Xirouchakis	Closing product information loops with product embedded information devices: RFID Technology and Applications, Models and Metrics	RFID technology and Applications

| 10 | Dimitris Kiritsis, Hong-Bae Jun, Paul Xirouchakis | Closing product information loops with product embedded information devices: RFID Technology and Applications, Models and Metrics | RFID technology and Applications, Cambridge University Press |
| 11 | Jürgen Anke, Bernhard Wolf, Gregor Hackenbroich, Hong-Hai Do, Mario Neugebauer, Anja Klein. | PROMISE: Product Lifecycle Management and Information Tracking using Smart Embedded Systems. | Ubiquitous Computing Technology for Real Time Enterprises, Max Mühlhäuser, Iryna Gurevych (Editors), Idea Group, Hershey, USA, 2007. |

A PROMISE book edition is planned before the PROMISE project end. This book will be mainly based on the documents developed in the Task TR12.4: Creation of architecture guide were the architecture guide document will be created. The Book shall provide a functional description of the PROMISE components, the interface specifications and a developer's guide to apply the PROMISE concepts, components and implementations.

3 PROMISE sessions, workshops, national information days

3.1 Conference Sessions and workshops

Different events were successful planned and organised from the PROMISE consortium:

- PROMISE Session at the International Conference on Product Lifecycle Management, PLM-07 in Milano, Italy (http://www.plm-conference.org/index.php?section=16)

3.2 Trade fairs and innovation centres

- European Parliament 18-21 June 2007: presentation of the PROMISE A1 demonstrator (a FIAT vehicle) at the European Parliament, in the framework of the STOA (Scientific Technology Options Assessment) Experience, under the patronage of Mr. Hans-Gert Pöttering, President of the European Parliament. The display included: a vehicle installed in the Parliament lobby, PROMISE posters, PROMISE booth and leaflets. High-level visibility was achieved, with visitors including Commissioners, Members of the parliament, journalists and lobbyists, such as Janek Potocnik (Commissioner for Science and Research), V. Reding (Commissioner for information society and media), P. Busquin (ex-Commissioner for Research, Member of the European Parliament, Member of the European Parliament's Committee on Industry, Research and Energy, Chairman of STOA)

- "Sensor + Test 2007", Nuremberg. The Sensor + Test fair is an important forum for sensory, measuring and testing technologies worldwide. In 2007, 610 exhibitors from 25 nations presented the spectrum of measuring and testing system expertise from sensors to computers. Infineon has presented achievements of the PROMISE project there, to advertise the benefits of active sensory for Industrial applications

3.3 Planned PROMISE sessions and workshops

Academic dissemination will continue. There is already a jointly initiative panned:

- Training and Dissemination Workshop organised by PROMISE, BRIDGE, DYNAMITE and SMMART, February 2008, Lausanne, Switzerland.

3.4 PROMISE Web-sites

PROMISE has created two public available web-sites for informational and interacting purposes:
- PROMISE academic site http://www.promise.no/:
  - Hits unique visitors since December 12th, 2006 when GoogleAnalytics was implemented: 4424
  - Hits since February, 7th, 2005 since the site was launched (internal counter): 51366 (this number of hits updates every time the main page is opened, i.e. it is not the number of unique visitors
- PROMISE commercial web-site http://www.promise-plm.com/
  - Hits unique visitors since December 6th, 2006 to August 11th, 2007 when GoogleAnalytics counter was discontinued: 1259