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Multiplier Organisation and Management Plan

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Versioning and contribution history

Version	Description	Comments
1.0 to 8.0	From first version to current version: regular updates	CDEU
9.0	Contribution Dimitris Mavrikios for Industrial Learning workshop on 14-15 May	DM
10.0	Feedback about call with E. Filos and L. Csernák.included.	MS
11.0 to 13.0	Feedback partners + L. Csernák	CDEU

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1 Preamble – Introduction

This document describes how involvement of multipliers has been established and is planned, both with respect to the road mapping and the industrial learning activities.

This includes:

- the representation of the multipliers in ActionPlanT seminars, hearings, workshops, etc. assuring a balanced representation (manufacturing and ICT technology providers and user industries).
- the validation of the vision, roadmap and the industrial learning documents.

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2 Multiplier management and involvement

2.1 General approach for dispatching Newsletters and Updates

A list of possible experts and key contacts was developed by the ActionPlanT consortium and the European Commission. The list, also referred to as the 'contact management file' (included in annex 3.1) contains pointers to experts of multiplier organisations such as technology platforms, associations or other groups. The composition of this list is considered to be balanced in terms of stakeholders, either individually or considering the multiplier organisations.

Participants in ActionPlanT workshops were selected from the 'contact management file'. The contact management file has been imported in CRM system for sending out ActionPlanT Newsletters. (Including all ActionPlanT workshop participants +/- 100 contacts, complemented by an additional 180 contacts (dd. 20/02/12))

ActionPlanT Newsletters/Updates are sent to the

- ActionPlanT CiviCRM contacts

These contacts include the secretariats and/or key persons of the following multipliers:

- ETPs or similar groupings
 - eMobility
 - EPoSS / ARTEMIS
 - EUROP
 - FInES
 - NESSI
 - Nem (networked and electronic media)
 - Manufuture
 - Photonics
 - PlanetHPC
- Industry associations
 - Aerospace & Defence Industries Association of Europe
 - CECIMO
 - ORGALIME
 - Pan European ICT & eBusiness Network for SMEs (PIN-SME)
 - Agoria
 - FIM/CETIM
 - SWISSMEM
 - VDMA
- EU Research associations related to JTI
 - ARTEMISIA
 - ENIAC
- EU Research association related to PPP
 - EFFRA
 - European Future Internet Portal
- EU standardisation
 - CEN-CENELEC
 - ETSI
- Global Industry Association
 - SEMI

Major ActionPlanT messages are also promoted through 'EFFRA Update'-Newsletter (sent to EFFRA members (+/-125 organisations, +/- 290 contacts – dd. 20/02/12))

A first issue of the ActionPlanT html-newsletter was sent to the entire ActionPlanT CRM in October 2011. A second issue was sent in December 2011. It promoted the vision document and announced the validation of the draft roadmap.

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Workshops

The following workshops were organised:

- | | | |
|---|-------------------|-------------------|
| 1. Workshop 1 (Roadmapping and industrial learning) | 1-3 February 2011 | Dresden, Germany |
| 2. Workshop 1-2 (Roadmapping only) | 02 May 2011 | Brussels, Belgium |
| 3. Workshop 1-3 (Roadmapping only) | 18 May 2011 | Como, Italy |
| 4. Workshop 2 | 27-29 June 2011 | Paris, France |
| 5. Advanced Computing Workshop (Roadmapping only) | 13 October 2011 | Brussels, Belgium |
| 6. UK Interests Workshop (Roadmapping only) | 19 October 2011 | Coventry, UK |

Participants in these workshops were selected from a list of experts that was developed by the ActionPlanT consortium and the European Commission (the 'contact management file').

An analysis of the representation of multipliers at the workshop participants can be found here:

Row Labels	Sum of Dresden WS1 - Confirmed	Sum of Brussels - confirmed	Sum of Cernobbio - Confirmed	Sum of Paris - Confirmed	Sum of Brussels 13/10 - Confirmed	Sum of UK - confirmed	Sum of Analysis
ETP	7	2	1	1	1		12
EFIA							0
eMobility	1						1
EPoSS / ARTEMIS							0
EUROP	1		1				2
FInES		2					2
INEMI (International Electronics Manufacturing Initiative) - European section							0
Manufuture	3						3
Nem (networked and electronic media)	1						1
NESSI				1			1
Photonics21							0
PlanethPC: setting the R&D roadmap for HPC in Europe	1				1		2
EU Research association - PPP	4	1			2		7
EFFRA	3	1			2		6
Future Internet	1						1
EU standardisation		1					1
CEN-CENELEC		1					1
ETSI							0

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2.2 Vision document

The consultation process regarding the vision was composed of a number of gradual validity-checks.

Considering that the first draft was ready on July 15, 2011, receiving a preliminary confirmation from commission on August 04, 2011, the consultation during the period August – October was composed of the following steps:

- o Consultation processes initiated by the EC with internal stakeholders and Factories of the Future PPP AIAG members
- o Consultation process initiated by the EFFRA, in particular the EFFRA industrial research advisory group run in parallel with the writing of FoF roadmap, where the ActionPlanT vision is reflected in a Factories of the Future Beyond 2013 baseline document
- o Consultation of Industrial and academic project partners of the PLANTCockpit and KAP FoF projects
- o Consultation of around 24 experts participating in validation sessions of the Advanced Computing Workshop & UK-Interests Workshop, October 2011
- o Consultation of session participants at the e-Challenges 2011 workshop and Manufuture 2011 conference, both in October 2011
- o Consultation of product groups of SAP AG and DELMIA.
(For SAP, strategists and solution architects of the Manufacturing Industries products suite were engaged)
- o An introduction and validation session on the ActionPlanT vision document run at SAP Research Dresden with employees and students, and
- o Suggestions from individuals representing organizations such as IDC Consulting and VDMA.

2.3 Roadmap

2.3.1 Continuous Roadmap Validation

Continuous Roadmap Validation exercises were carried out during:

- the Advanced computing workshop, 13 October 2011
- the UK workshop, 19 October 2011
- the Review meeting, 7 December 2011
- Online validation (February – March 2012). Online validation questionnaire was launched on 17 February:
 - o Widely distributed (see section 2.1), including the use of multipliers for further dispatching: EFFRA, FInES and PlanetHPC
 - o Reminders have been sent to FInES and PlanetHPC on 28 March
 - o The ActionPlanT Newsletter of 3 April called for a last round of input

An analysis of received input will be carried out.

Presentation and interaction about the draft roadmap at major stakeholders meetings:

- the EFFRA Industrial Research Advisory Group meeting, 29 November 2011, including agreement to integrate in FoF Roadmap
- the FInES Cluster meeting, 19-20 December 2011, including agreement to coordinate consultation of FInES community

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2.4 Industrial Learning (IL)

The compilation and revision of the industrial learning baseline document was primarily an internal exercise within the project consortium. A stable version was distributed at the CeBIT event on 6-10 March.

A number of international experts will be involved in the validation of the baseline document, in the context of the Industrial Learning Workshop that will take place in Athens on 14-15 May 2012. The invitation to the IL validation workshop, dispatched at the end of March 2012, included the draft baseline document. The participating experts were requested to provide first a preliminary input through a Questionnaire prior to the Workshop.

Using the preliminary inputs as a basis, a validation exercise will take place in the context of work groups during the Workshop.

2.5 Events/workshops

2.5.1 *Previous events that encouraged multipliers involvement and dissemination*

- PLM 2011, Eindhoven, NL (July 2011)
- APMS 2011 – Advances in Production Management Systems, Stavanger, NO (September 2011)
- WCEAM 2011 – World Congress of Engineering Asset Management, Cincinnati, USA (October 2011)
- e-Challenges 2011, Florence, Italy (October 2011)
- Manufuture 2011, Wroclaw, PL (October 2011) (SAP)
- Future Internet Assembly, Poznan, PL (October 2011)
- MIDEST fair 2011, Paris, FR (November 2011)
- SIPTU Conference, Innovation in Manufacturing – A Driver for Jobs and Growth, Dublin, IE (24 November 2011)

2.5.2 *CeBIT conference 'ICT and Factories of the Future', 6 March and CeBIT 'Industrial Learning programme', 6-10 March 2012, Hannover, Germany*

The following actions were carried out:

- First invitation html-mail, including free ticket link, sent through full CRM. Contact management on 3 February 2012 (288 contacts)
- The event was promoted at the Factories of the Future AIAG meeting, 9 February 2012
 - Second mailing dispatched on 17 February, with the full programme of the CeBIT events
 - Explicit request for further dispatching including the possibility to request tickets was dispatched to
 - EFFRA members (EFFRA Update mail sent on Monday 20 February to 290 contacts)
 - FinES Cluster (Cristina Martinez – Jesper Thestrup)
 - PlanetHPC (Mark Sawyer)
- Handover of the ICT for Manufacturing Roadmap to Vice-President Kroes
- A flashback to the event was promoted in the ActionPlanT Newsletter of 3 April.

2.5.3 *Industrial Learning Workshop, 14-15 May 2012, Athens, Greece*

The following actions were carried out:

- The workshop has been promoted in the ActionPlanT Newsletter of 3 April.

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- The invitations have been sent to selected experts. Invitations have been sent to more than 60 representatives of different stakeholders, including the European Commission, manufacturing companies, industrial associations, training bodies, business schools, ICT companies, academic institutions and research centres,
- Supplementary information material was also provided. Specifically, the following material was made available: i) the ActionPlanT Industrial Learning baseline document, ii) Expert Reimbursement Policy and iii) ActionPlanT Industrial Learning Workshop Terms of Reference.
- Invitations have also been sent to qualified experts that expressed interest in participating to the specific Industrial Learning Workshop following the announcement of the event in the ActionPlanT Newsletter of 3 April, .
- A questionnaire to assess the ActionPlanT Industrial baseline document has been prepared. It is planned to be circulated to confirmed participants in order to preliminarily assess the ActionPlanT Industrial baseline document prior to the specific Industrial Learning Workshop.

2.5.4 Final event

Given the success of the CeBIT event on 6 March, the need, target audience and format for a final dissemination event is under discussion. The FoF PPP info days organised by the European Commission, with the support of the respective associations representing the private side (for the Factories of the Future PPP, this is EFFRA), could offer another opportunity to promote ActionPlanT.

Another or complementing option is organising a meeting between relevant Members of the Industry, Research and Energy Committee of the European Parliament with high officials of the Consortium member organisations.

These options were presented to and validated by the European Commission during a conference call held on 20/04/2012.

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3 Annex

3.1 Contact management file

Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
1	Abramovici	Michael	Ruhr-University Bochum	M			0
2	Acke	Willem	Alcatel-Lucent	M			0
3	Acquier	Aurélien	Mines de Paris	M			0
4	Akkerman	Renzo	TUD	M	CIRP	Global research association	0
5	Al-Ashaab	Ahmed	Cranfield University	M			1
6	Alastalo	Ari	VTT	M			0
7	Alzaga Etxeita	Aitor	Tekniker	M			1
8	Appa	Jamil	BAE Systems	M			1
9	ARTUS	Samuel	Volvo	M			1
10	Arun	Junai A.	TNO	M	Manufuture	ETP	0
11	Aston	Martin	CFMS	M			1
12	Aubermann	Michael	Ropardo	M			0
13	Aussel	Jean-Daniel	Gemalto	M			0
14	AUSSEL	Jean-Daniel	Gemalto	M			0
15	AUWERS	Walter	Sirris	M			1
16	Bamberger	Rainer	Informan	M			0
17	Barilani	Roberto	Hermes Reply s.r.l	M			0
18	Barthel	Henri	GS1	M	GS1	Industry association	0
19	Bassi	Alessandro	University of Tennessee Department of Electrical Engineering and Computer Science	M			0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
20	Bateup	Lee	Bentley Motors Ltd	M			1
21	Bauer	Martin	NEC	M			1
22	Baumeister	Michael Steffen	CENIT	M			1
23	Beasley	Jon	GKN plc	M			1
24	Beernaert	Dirk	EC - DG INFSO	M			
25	Beltran	Eduardo	Mondragon Corporation	M	EFFRA	EU Research association - PPP	
26	BERNAT VERCHER	Jesus	TID	M			0
27	Bessey	Eberhard	DAIMLER	M	Manufuture	ETP	0
28	Bildmayer	Reiner	SAP AG	M			2
29	Bischoff	Rainer	KUKA	M	EUROP	ETP	1
30	Boer	Claudio	SUPSI	M			1
31	Boime	Bernard	EADS	M			0
32	Bonjour	Frédéric	GIM-CH	M	gim-ch.ch	Industry association	0
33	Boucon	Jean-Luc	Turbomeca	M			0
34	Bourguignon	Eric	CoTeSys/TUM	M			1
35	Bourse	Didier	Alcatel-Lucent	M			
36	Boywitt	Ralf	DOEHLER	M			0
37	Bredau	Jan	Festo AG & Co. KG	M			0
38	Brennan	Karl	Intel Ireland	M			1
39	Bueno	Rikardo	Tecnalia	M	EFFRA	EU Research association - PPP	
40	Bulik	Marta	EC - DG INFSO - IMS	F	DG-INFSO - IMS	EC	0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
41	Burke	Thomas	OPC Foundation	M			
42	BUTER	Carolien	Bosch	F			0
43	Butler	Joe	Intel	M			0
44	Caldeira	Jose Carlos	INESC Porto	M	Manufuture	ETP	1
45	Calefati	Paolo	Prima Industrie s.p.A.	M			0
46	Calvo Herrera	Ignacio	ACCIONA Infraestructuras	M			0
47	Camarinha-Matos	Luis	Universidade Nova de Lisboa & UNINOVA	M			0
48	CAMPBELL	Stuart	TIE	M	NESSI	ETP	1
49	Capiau	Tom	Egemin	M	Agoria	Industry association	0
50	Carnal	Olivier	Von Roll Solar AG	M	Manufutre-CH	NRTP	0
51	Carpanzano	Emanuelle	ITIA/CNR	M	CIRP	Global research association	0
52	Carton	Michel	CETIM	M	EFFRA	EU Research association - PPP	
53	Castellani	Roberto	Technology Transfer System	M			0
54	Chevassus	Nicolas	EADS-Innovation Works	M			0
55	Cho	Hyunbo	Postech	M			0
56	Chryssolouris	George	University of Patras	M	Manufuture	ETP	0
57	CIO / CTO 2			M			0
58	CIO / CTO 3			M			0
59	Claessens	Joris	Microsoft - EMIC	M			0
60	Clark	David	WMG				1
61	Cleuren	John	EC - DG Research & Innovation	M			
62	Cobley	Andy	Coventry University	M			0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
63	Colledani	Marcello	ITIA/CNR	M			1
64	Constantinescu	Carmen	Fraunhofer - IPA - IFF - Uni Stuttgart	F	Manufuture	ETP	0
65	Conus	Pierre-André	BOBST Group	M			1
66	Correia	Luís M.	IT Portugal	M	eMobility	ETP	1
67	Cosgrove	John	Limerick Institute of Technology	M			1
68	Danet	Pierre-Yves	Orange-ftgroup	M	Nem (networked and electronic media)	ETP	1
69	De Panfilis	Stefano	NESSI SRA committee	M	NESSI	ETP	0
70	Decubber	Chris	EFFRA	M	EFFRA	EU Research association - PPP	0
71	Delama	Nuria	ATOSResearch	F			1
72	Delcuvelerie	Jean-Luc	Areva IT Corp	M			0
73	Denzak	James	IBM	M			0
74	Depouhon	Alexandre	e-Xstream	M			0
75	Dippolito	Roberto	Noesis	M			1
76	Dolinšek	Slavko	University of Primorska	M			0
77	DOMINGUEZ	Alain	Intel	M			1
78	Doumeingts	Guy	GFI Software	M			0
79	Dreiss	Philipp	Bosch	M			0
80	Duflou	Joost	KU Leuven	M			0
81	Dunkerton	Sue	TWI	F	EFFRA	EU Research association - PPP	
82	DUNYACH	Jean-Claude	Airbus	M			0
83	Durand	Jean Marie	Dassault Systemes	M			0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
84	Eder	Hans	ACT Process control and optimization	M			0
85	Egler	Paulo Cesar Goncalves	IBICT	M			0
86	Eissfeller	Horst	SAP AG	M			0
87	Eldukhri	Eldaw	Cardiff University	M			0
88	Emmanouilidis	Christos	CETI	M			0
89	FALGARONE	Hugo	EADS	M			1
90	Fan	Ip-Shing	Cranfield University	M			0
91	FANTANA	Nicolaie	ABB	M			0
92	FARRUGIA	Didier	Corus Group	M			0
93	Feng	Xialong	ABB Robotics	M	EUROP	ETP	0
94	FIKOURAS	Ioannis	Ericsson	M			0
95	Filos	Erastos	EC - DG INFOS - IMS	M	DG-INFOS - IMS	EC	0
96	Fischer	Klaus	DFKI, Deutsche Forschungszentrum für Künstliche Intelligenz	M	FinES	ETP	1
97	Fischer	Thomas	DITF	M			0
98	Flood	Nigel	Tacit Connexions Ltd	M			0
99	FRANK	Ursula	Beckhoff	F			0
100	Freitag	Stefan	Data-M	M			1
101	Frery	Frederic	ESCP-Europe	M	Research community on strategy (France, Standford, University of Texas,...)	Global Society	0
102	Frey	Markus	BOMBARDIER TRANSPORTATION - Propulsion	M			0
103	Fulvio	Rusinà	Comau	M	EFFRA	EU Research association - PPP	1
104	Gallois	Pierre-Marie	ProConseil	M	IMS		0
105	Ganem	Herve	Gemalto	M			1

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
106	Garbizu	Mikel	Analisis y Simulacion	M			1
107	Garcia-Tello	Pablo	ASD - ASD-Aerospace & Defence Industries Association of Europe	M	Aerospace industry	EU industry association	0
108	Gaviotis	Ioannis	NEORION	M	Greek Manufuture Network	NRTP	0
109	Geerts	Filip	CECIMO	M	CECIMO	EU industry association	0
110	Geiger	Alfred	T-Systems	M			1
111	Gerlach	Stefan	Fraunhofer IAO	M			
112	Giannini	Franca	CNR (Consiglio Nazionale delle Ricerche)	F			0
113	Gizelis	Vagelis	GIZELIS	M	Greek Manufuture Network	NRTP	0
114	Goericke	Dietmar	VDMA	M	EFFRA	EU Research association - PPP	
115	Goncalves	Ricardo	Uninova-CRI	M			0
116	Gradisar	Dejan	JSI	M			1
117	Granstrom	Magnus	VOLVO Group	M	EFFRA	EU Research association - PPP	
118	Guasch	Joan	ASCAMM	M			0
119	Guillaume	Bernard	AGC Glass Europe	M			0
120	Guillemin	Patrick	ETSI (European Telecommunications Standards Institute)	M	ETSI	EU standardisation	0
121	Guinet	Nathalie	ETSI (European Telecommunications Standards Institute)	F	ETSI	EU standardisation	0
122	Gusmeroli	Sergio	Txt e-solutions s.p.a.	M			1
123	Hägele	Martin	Fraunhofer IPA	M	EUROP	ETP	0
124	Hanisch	Christoph	FESTO	M	Manufuture	ETP	1
125	Hannus	Matti	VTT	M			0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
126	HANS	Carl	Uni Bremen	M			1
127	Hardy	Olivier	Dassault Systemes				1
128	Harman	Peter	deltatheta	M			1
129	Hartung	Raik	SAP AG	M			0
130	Haskal	Eliav	Philips	M			0
131	Hast	Jukka	VTT	M			0
132	HAZLEWOOD	Chris	Mitsubishi	M			0
133	Heath	Patricia	Axillium Research	M			1
134	Helander	Johannes	Microsoft - EMIC	M			0
135	Helmrath	Christoph	EC - DG INFSO	M			
136	Hemmelgarn	Donald M	ITI	M			0
137	Hentz	Jean-Bernard	Airbus SAS	M			1
138	Herrmann	Christoph	KERP Research Electronics & Environment	M			0
139	Hobbs	Steve	Delcam	M			1
140	Hopkinson	Neil	University of Sheffield	M			1
141	HOUYOU	Amine	Siemens	M			1
142	Hunter	Angus	Optimat Limited	M			0
143	HUSMAN	Elmar	IBM	M			0
144	Ibanez-Guzman	Javier	Renault SA	M			0
145	Ioannidis	Nikos	INTRACOM	M			0
146	Ippolito	Massimo	CRF	M			0
147	Ivezic	Nenad	NIST (National Institute for Standards and Technology)	M	NIST	USA standardisation	1
148	Jacot	Philippe	TORNOS	M			0

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Count	Expert Last Name	Expert First Name	Expert Organisation	Gender	Related Multiplier organisation	Multiplier type	Workshop participation
149	Jahadi	Michael R.	Lockheed Martin	M			0
150	Jalba	Liviu	Microelectronics Research Lab	M			0
151	Jennings	Paul	University of Warwick	M			1
152	Jochem	Roland	Fraunhofer IPK/Technical University Berlin	M			1
153	JOHANSSON	Mattias	Ericsson	M			0
154	Jon	Ezkerra	CIE Automotive	M			0
155	Kabitzsch	Klaus	TU Dresden	M			0
156	Kaierle	Stefan	Laser Zentrum Hannover	M	Photonics21	ETP	
157	Karadimas	Dimitris	Vision Business Consultants	M			0
158	Karnouskos	Stamatis	SAP AG	M			0
159	Kazi	Sami	VTT	M			0
160	KENNEDY	Barry	Intel	M	Manufuture	ETP	1
161	Kennedy	David	Eurescom	M	EFIA	ETP	0
162	Ketchell	John	CEN-CENELEC	M	CEN-CENELEC	EU standardisation	0
163	Kim	Bo Hyun	Kitech	M			0
164	Kirchhoff	Uwe	ATB	M			0
165	Kirsch	Andreas	Guardus	M			0
166	Klaiber	Michal	Polish Academy of Sciences	M			0
168	KLAUS	Matthias	Plasticlogic	M			0
169	Knoll	Alois	Technische Universität München	M			0
170	KOEHLER	Jana	IBM Zurich	F			0
171	Kohl	Holger	Fraunhofer IPK	M			1
172	Korves	Bernd	Siemens	M	EFFRA	EU Research	1

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						association - PPP	
173	KOVACS	George L.	Sztaki	M			1
174	Kramp	Thorsten	IBM Zurich	M			0
176	KRUKOWSKI	Artur	Intracom	M			1
177	Kubach	Uwe	SAP AG	M			1
179	Kunicina	Nadezhda	Riga Technical University	M			0
180	Kurzweil	Karel		M			0
181	Lafuente García	Javier	DECIDE	M			1
183	Lai	Manuel	CRF	M	EFFRA	EU Research association - PPP	1
184	Lambert	Jean-Marc	Gemalto	M			0
185	Lange	Andre	ICONICS	M			1
186	LANGE	Jens	Infineon	M			0
187	Lange	Sebastian	VDI/VDE Innovation	M	EPoSs / ARTEMIS	ETP	0
188	Larrañaga	Iñaki	Mondragon Corporation	M	EFFRA	EU Research association - PPP	1
189	Lastra	José	Tampere University of Technology	M			0
190	Lauterbach	Christl	Infineon Technologies AG	F			0
191	LAVAUULT	Romain	DELMIA	M			1
192	Leal	David	CAESAR Systems Limited	M	CEN-CENELEC	EU standardisation	0
193	Lee	Carlos	SEMI Brussels Office	M	SEMI	Global Industry Association	0
194	Lenze	Christian	SAP AG	M			0

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195	Leon	Fernando	Fanuc Robotics	M			0
196	Lewis	Stephanie	EPSRC	M			1
197	Lim	Ser Yong	SIMTech	M			0
198	Litke	Antonios	Infil	M	Greek Association of Computer Engineers	Engineers Association	0
199	Livio	Baldi	Numonyx	M			1
200	Lohstroh	Jan	ARTEMISIA association	M	ARTEMISIA	EU Research association - JTI	0
201	Lundholm	Thomas	KTH Production Engineering	M			0
202	Makris	Sotiris	LMS/UniPatras	M	CIRP	Global research association	0
203	Marcipar	Javier	Quantech	M			0
204	Marjanovic	Dorian	Faulty of Mechanical Engineering & NA, University of Zagreb	M			0
205	Markus	Rabe	Technical University Dortmund	M			0
206	Martinez	Cristina	European Commission DG INFSO	F	FinES	ETP	0
207	Martinez Lastra	Jose L.	TUT	M			0
208	Martinsen	Kristian	SINTEF Raufoss manufacturing	M			1
209	Martinsson	Pär Erik	Lulea University of Technology	M			1
210	Mattias	Johansson	Ericsson	M			0
211	Mattucci	Massimo	COMAU	M	EFFRA	EU Research Association - PPP	0
212	MAURTUA ORMAECHEA	Iñaki	Tekniker	M			0
213	McGuire	Sean	Intel	M			1
214	McMahon	Chris	University of Bath	M			0
215	Menezes	Joaquim	Ibermoldes	M	EFFRA	EU	

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						Research association - PPP	
216	Menges	Georg	NXP	M			0
217	Mertens	Erik	Karlsruhe Institut of Technology	M			0
218	Mertins	Kai	Fraunhofer IPK	M	IFIP - International Federation for Information Processing	Global Society	1
219	Messurvey	Thomas	D'Appolonia S.p.A.	M			0
220	Mezgar	Istvan	Hungarian Academy of Sciences MTA SZTAKI Computer and Automation Research Institute	M			1
221	Mills	Bob	Jaguar Land Rover	M			1
222	Minor	David	Orbtech	M			0
223	Mitchner	Jonathan	Technology Strategy Board	M			0
224	Moderegger	Erik	—	M			0
225	Moroni	Italo	Reply.it	M			0
226	Mourtzis	Dimitris	LMS/UniPatras	M	Manufuture	ETP	1
227	Müller	Martin	Siemens	M	EFFRA	EU Research association - PPP	2
228	Münzenmaier	Andreas	FESTO	M			0
229	Myklebust	Odd	SINTEF	M			0
230	Mylonopoulos	Nikos	Athens University	M			0
231	Nagellen	Thierry	Orange Labs	M	Future Internet	EU Research association - PPP	1
232	Nahid	Armande	PSA	M			0
233	Neophytou	Neophytos	EC - DG Research & Innovation	M			

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234	Nettsträter	Andreas	Fraunhofer IML	M			1
235	Newman	Steve	University of Bath	M			0
236	Nguyen	Van Khai	CADCAMation	M			0
237	Nilsson	Michael	Luleå University of Technology	M			0
238	Olaf	Sauer	Fraunhofer Institute of Optronics, System Technologies and Image Exploitation	M			1
240	O'Malley	Grace	INEMI	F	INEMI (International Electronics Manufacturing Initiative) - European section	ETP	0
241	Ovtcharova	Jivka	Karlsruhe Institut of Technology	F			1
242	Paniti	Imre	MTA-SZTAKI	M			1
243	Pantelopoulos	Stelios	Singular Logic	M			0
244	Papakostas	Nikos	LMS/UniPatras	M	CIRP	Global research association	0
245	Papanikolopoulos	George	CASP	M	Greek Manufuture Network	NRTP	0
246	Parsons	Mark	Uni Edinburgh	M			0
247	Patzke	Robert	MFP GmbH	M	ISO	Global standardisation	0
248	Pawar	Kulwant	University of Nottingham	M			0
249	Pawlak	Adam	Silesian University of Technology	M			1
250	Pazin	Zeljko	ORGALIME	M	ORGALIME	EU industry association	0
251	PEACHEY	Sophie	Axillium	F			1
252	Pegman	Geoff	RURobots	M	EUROP	ETP	0
253	Perez Bilbatua	Joseba	Ideko-Danobat	M			0
255	Perry	Neil	Jaguar Land Rover	M			0
256	Peters	Kai	VDMA	M	VDMA	Industry association	

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257	PEYLO	Christoph	Telekom	M			0
258	Pfützner	Lothar	FhG-IISB	M			0
259	PHILIPPE	Thierry	Intel	M			0
260	Piddington	Colin	Cimmedia Ltd.	M			0
261	Pifferi	Andrea	Indesit Company	M			0
262	Popp	Wolfgang	BMW	M			0
263	Popplewell	Keith	University of Coventry	M	FInES	ETP	1
264	Price	Graham	Conventry University	M			
265	Pronios	Nikos	INTRACOM Defence	M			0
266	R. Boër	Claudio	University of Applied Sciences of Southern Switzerland (SUPSI)	M			0
267	Rabino	Edoardo	CRF (Centro Ricerche Fiat)	M	EFFRA	EU Research association - PPP	0
268	Ramboer	Jan	EC - DG Research & Innovation	M			
269	Ratchev	Svetan	University of Nottingham	M			0
270	Ray	Steven	Steveray	M			0
271	Recklies	Jeorg	Infineon	M			0
272	Reñones Domínguez	Anibal	CARTIF	M	EFFRA	EU Research association - PPP	0
273	Rettich	Thomas	TRUMPF	M	Photonics21	ETP	
274	Reynaert	Ingrid	Agoria	F			
275	Richet	Daniel	CETIM/FIM	M	EFFRA	EU Research association - PPP	0
276	RIEMENSCHNEIDER	Rolf	EC	M			1

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277	Rode	Jochen	SAP AG	M			1
278	Rolf	Bense	Airbus Germany	M			0
279	Rolstads	Asbjørn	NTNU - Norwegian University of Science and Technology	M			0
280	ROSAMOND	Emma	Uni Loughborough	M			0
281	Ruile	Herbert	VNL.CH	M	vnl.ch	Industry association	0
282	Runde	Christoph	The Virtual Dimension Center Fellbach	M			1
283	Sacco	Marco	Institute of Industrial Technologies and Automation	M			0
284	Salonna	Roberta	EC - DG Research & Innovation	M			
285	Sánchez Grueso	Alejandro	CELLS (ALBA Synchrotron)	M			0
286	Sandbrink	Bernd	Platte Consult	M			
287	Sandström	Per	Thin Film Electronics AB	M			0
288	Sanseverino	Maria Luisa	SCREEN 99	F			0
289	Savage	Nick	Cobham	M			1
290	Sawyer	Mark	EPCC - Uni Edinburgh	M	PlanetHPC: setting the R&D roadmap for HPC in Europe	ETP	2
291	Scemmama	Samy	Boost Aero	M	BoostAero network	Industry association	0
292	Schaffers	Hans	Telematica Instituut	M			0
293	Schennenlein	Barbara	SAP AG	F			1
294	SCHLEYER	Stefan	SKF Group	M			1
295	Schmid-Lutz	Veronika	SAP AG	F			0
296	Schofield	Monica	TuTech Innovation GmbH	F			0
297	Schollenberger	Werner	IBM	M			0
298	Scholz-Reiter	Bernd	University of Bremen	M			0
299	Schuler	Frank	SAP AG	M			0

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300	Schuler	Frank	SAP AG	M			1
301	Schulz	Wolfgang	Fraunhofer ILT	M	Photonics21	ETP	0
302	Searl	Will	Axillium Consulting Limited	M			2
303	Searle	Will	Axillium Research	M			1
304	Serwotka	Herbert	EDAG	M			0
305	Shamsi	Tayyab	TEAM	M			0
306	Shankar Priya	Rajesh	Fraunhofer IWU Chemnitz	M			0
307	Sharratt	David	Jaguar-Landrover	M			0
308	Sherlock	Andrew	ShapeSpace Ltd	M			0
309	Sivard	Gunilla	KTH Industrial Engineering and Management	F			0
310	Soignet	Marc	Platte Consult	M			
311	Sol	Egbert-Jan	TNO	M			
312	Song	Bin	Singapore Institute of Manufacturing Technology	M			1
313	SORIANO	Thierry	RPU	M			0
314	Stahre	Johan	Chalmers University	M	EFFRA	EU Research association - PPP	0
315	Starr	Alison	GE Aviation	M			0
316	Stender	Siegfried	Fraunhofer IPA	M	Manufuture	ETP	0
317	STEPHAN	Peter	DFKI	M			0
318	Stewing	Franz-Josef	Materna GmbH	M			0
320	Stiedl	Thomas	BOSCH	M			0
321	Stoessel	Peter	Swissmem	M	swissmem.ch	Industry association	0
322	Symens	Wim	Flanders Mechatronics Technology Centre	M	Agoria	Industry association	1

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323	Szewczyk	Roman	Industrial Research Institute for Automation and Measurements (PIAP)	M			
324	Szigeti	Hadrien	Dassault Systèmes	M			1
325	Tang	Trac	Volkswagen AG	M			0
326	Tarsinos	Panagiotis	ALBA Graduate Business School	M			0
327	ten Berg	Ad	ARTEMISIA	M			0
328	Thestrup	Jesper	In-JeT ApS	M	FinES	ETP	0
329	THOBEN	Klaus-Dieter	Uni Bremen	M			0
330	Thurlby	Stuart	Theorem Solutions	M			1
331	Tichkiewitch	Serge	INPG/EMIRacle	M	CIRP	Global research association	0
332	Toffaletti	Sebastiano	PIN-SME	M	Pan European ICT & eBusiness Network for SMEs (PIN-SME)	EU industry association	0
333	Tolio	Tullio	ITIA/CNR	M	Manufuture	ETP	0
334	Tomatis	Nicola	BlueBotics	M			0
335	Turk	Ziga	University of Ljubljana	M			0
336	Turkama	Petra	Aalto University - Center for Knowledge and innovation Research (CKIR)	F	FI PPP	European Association - PPP	0
337	Ulieru	Mihaela	UNB	M			0
338	Valles	José-Lorenzo	EC - DG Research & Innovation	M			
339	van der Wijngaart	Wouter	KTH - Microsystem Technology Lab	M			0
340	van Exel	Paul	Stichting USPI-NL	M	CEN-CENELEC	EU standardisation	1
341	Van Roosmalen	Fred	NXP	M	ENIAC	EU Research association - JTI	0
342	Vancza	Joszeff	SZTAKI	M	CIRP	Global research	0

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						association	
343	Verhaeghe	Geert	TWI (The Welding Institute)	M			0
344	Vettermann	Steven	ProSTEP iViP e.V.	M			0
345	Vogel-Heuser	Birgit	TUM	F			1
346	Wagner	Frank	Fraunhofer IAO	M			1
347	Walewski	Joachim	Siemens AG	M			0
348	Wallhoff	Frank	TUM	M			1
349	Walter Colombo	Armando	Schneider Electric GmbH	M			1
350	Walters	Peter	TUV NEL Ltd	M			1
351	Wayenberg	Alain	Agoria	M			
352	Weinaug	Heiko	Fraunhofer IPK	M			1
353	Wendel	Anne	EUROP	F	EUROP	ETP	1
354	Westkämper	Engelbert	Fraunhofer IPA	M	Manufuture	ETP	0
355	Williams	Willis David	Sandia	M			0
356	Wilson	Robin	Technology Strategy Board	M			1
357	Wloka	Joachim	Audi	M			0
358			UAPME (The European Association of Craft, Small and Medium-sized Enterprises)	M	UAPME	EU industry association	0
359			MESA (Manufacturing Enterprise Solutions Association)	M	MESA (Manufacturing Enterprise Solutions Association)	Global Industry Association	0
360			OAG (Open Applications Group)	M	OAG	Global standardisation	0
361			ISO (International Organisation for Standardisation)	M	ISO	Global standardisation	0
362			OMG (Object Management Group)	M	OMG	Global standardisation	0

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363			UN-CEFACT (United Nations Centre for Trade Facilitation and Electronic Business)	M	UN-CEFACT	Global standardisation	0
364			The Open Group	M	The Open Group	Global standardisation	0
365			W3C (World Wide Web Consortium)	M	W3C	Global standardisation	0
366			APMI Modena - I	M	APMI Modena - I	Industry association	0
367			GAIA - Association of Industries for Electronic and Information Technologies - ES	M	Asociación de Industrias de las Tecnologías Electrónicas y de la información (GAIA) - ES	Industry association	0
368			CONETIC - Confederación Española de Empresas de Tecnologías de la Información, Comunicaciones y Electrónica - ES	M	Confederación Española de Empresas de Tecnologías de la Información, Comunicaciones y Electrónica (CONETIC) - ES	Industry association	0
369			Informatikai Vállalkozások Szövetsége (IVSZ) - HU	M	Informatikai Vállalkozások Szövetsége (IVSZ) - HU	Industry association	0
370			Kiwigrid (DE)	M	Kiwigrid (DE)	Society	0
371			Ubigrate (DE)	M			0
372			Agilion (DE)	M			0
373			Game Based Learning Community (French coordinator)				0
374			GDR-MACS - French Group on Automation and Production Management				0

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