



Semantic Interoperability Conference 2016

Data standards
for interconnected
Public Administrations

Conference brochure

12 May 2016
Rome, Italy

Introduction



SEMIC 2016 is the sixth edition of the annual conference on semantic interoperability organised by the Interoperability Solutions for European Public Administrations, Businesses and Citizens (ISA²) programme of the European Commission. Since 2011, the conference has been bringing together an ever-growing number of participants from public administrations, the private sector and academia to discuss the use of semantic interoperability and information management solutions for better digital public services and interoperable public data.

The focus of this year's conference is on the use of data standards. Data standards, such as data models and codelists, are commonly agreed specifications that describe, define and structure information. They enable the seamless exchange and sharing of information across organisations, sectors and countries.

With the help of our speakers, we will explore how public administrations can use data standards to deliver a new level of interoperability and improve information exchange and sharing at regional, national and European levels. Through talks and panel discussions on policies, implementation practices and solutions, we will have the opportunity to learn from the experiences of public administrations from several countries, EU institutions and other organisations.

This year's conference, which constitutes the most visible and established event for public sector semantic interoperability and information management in Europe, is organised with the support of Agenzia per l'Italia Digitale (Agid). SEMIC 2016 has been one of the most successful editions of the conference, with more than 270 registered participants.

I hope that you will enjoy SEMIC 2016 and I invite you to take an active part in today's discussions, to network with your peers and to meet our speakers.

Gertrud Ingestad

Director General, DG Informatics
European Commission

Conference Speakers



Speakers



Stefano QUINTARELLI

Deputy of the Italian Parliament and chairman of the Steering Committee of Agenzia per l'Italia Digitale – AgID, Italy

Past positions include: serial entrepreneur; founder of the first Italian business ISP listed on the stock market; founder and board member of Clusit, Italy's security association; Chairman of AIIP, Italy's ISP association; and Chief Information Officer of Gruppo 24 Ore, Italy's leading financial publishing group.

At present: a member of the Italian Parliament (Scelta Civica Group) a member of the Commission of Internet Rights at the Chamber of Deputies, and Chairman of the steering committee of Italy's Digital Agency. He is also a professor of information systems, network services and security.



Antonio SAMARITANI

General Director, Agenzia per l'Italia Digitale – AgID, Italy

AgID General Director since May 2015, he worked as the CIO of Regione Lombardia from 2010 until 2015 and he was HR Director.

He was born in Torino in 1963, and graduated in Economics and Business from Università Commerciale Luigi Bocconi in 1988. Before starting to work at Regione Lombardia, he worked in international consulting companies and in the sector of ICT, in positions of increasing responsibility, becoming Director of Industrial Markets at IBM for the division of consulting and system integration.



Gertrud INGESTAD

Director General, DG Informatics, European Commission

Gertrud Ingestad was born in Sweden in 1958. She studied languages and history and worked as a language teacher in Stockholm before joining the European Commission in 1995.

Her main domain in the Commission has been resources, with a specialisation in people- and organisation-related issues, both at DGT and DG CONNECT, where she also started working with IT from a digitalisation perspective. In January 2014 she joined DG DIGIT as Director for Information Systems and Interoperability Solutions, now Digital Business Solutions. Since 16 April 2016 she has been the Director-General for DIGIT.

Her main driving force is constant improvement in collaboration.



Dave KEATING

Multimedia Journalist

Dave Keating is an American journalist based in Brussels covering European politics. As a broadcast journalist, Dave has worked as a line producer for a weekly newscast, a show producer for newsmagazine specials and a segment producer for live news panels and interviews. Outside of journalism, Dave has worked as a documentary filmmaking instructor and directed a weekly talk show in New York.



Feargal MC GROARTY

National Haemophilia System Project Manager, St. James's Hospital, Ireland

Feargal Mc Groarty has a medical laboratory background and has worked in the public sector healthcare system for 20 years, in both medical laboratory and project management roles as well as a leader in change management. His current project has seen the implementation of GS1 barcoding on medication, allowing real-time track and trace of a drug from the manufacturer through to the patient's home, including the use of a smartphone app for patients to scan their medication at home, which is the first of its kind.

Feargal has been an active member of a number of GS1 work groups. He is currently co-chair of the GS1 Healthcare Provider Advisory Council (HPAC) and a member of the GS1 Healthcare Leadership Team.

Feargal holds a Fellowship in Laboratory Haematology from the Institute of Biomedical Science, along with a Post Grad Diploma in Management and Employee Relations from the National College of Ireland (NCI).



Kenji HIRAMOTO

Chief Strategist, National strategy office of IT, Cabinet Secretariat, Government of Japan

Kenji Hiramoto is IT Chief Strategist for the government of Japan, appointed in April 2015. He is in charge of IT strategy, eGovernment and disaster risk management. He is also the executive advisor to the CIO of METI (Ministry of the Economy, Trade and Industry), appointed in July 2008.

Kenji Hiramoto and the METI CIO lead many government-wide citizen-centric projects in Japan. He is known for introducing new technologies into governments, and is a leader of the open government infrastructure reform programme.



Steve AMBROSINI

Executive Director, IJIS Institute, USA

Mr Steven Ambrosini is the Executive Director of the IJIS Institute, a nonprofit corporation formed to help state and local governments develop ways to share information among the disciplines engaged in homeland security, justice, and public safety. He has had a thirty-year career in the field of Information Technology consulting and operations management, working in both the private and public sectors. For more than twenty of those years, he has been working in companies that provided professional technology services and solutions to the public safety and criminal justice communities. During this time, he has been responsible for the delivery of IT services and solutions to a mix of governmental and non-governmental clients. During his career, Mr Ambrosini has been involved in several unique projects in some of the largest jurisdictions in North America, including the City of New York, NY; the Province of Ontario, CN; and the County of Los Angeles, CA. His experience includes the delivery of several consulting and solution integration projects, including major IT strategic planning engagements, where he has led multi-company consultant teams. He has been involved in the development and execution of several innovative contracting and delivery strategies for public safety and justice clients, including: a joint multi-jurisdictional integrated CJIS initiative; transformational outsourcing and privatisation programmes; private sector funding initiatives; and, benefits based delivery programmes.



Vassilios PERISTERAS

Programme Manager, ISA² programme of the European Commission

Vassilios Peristeras works as a Programme Manager at the Interoperability Solutions for European Public Administrations (ISA) unit within DG DIGIT at the European Commission. He has also been appointed as an assistant professor at the International Hellenic University in Thessaloniki, Greece. He has worked as researcher and consultant in various organisations, and has initiated and coordinated several international projects in the area of e-Government. His interests include e-Government and e-Participation, semantic technologies and interoperability. He has published over 100 papers in scientific journals and conferences, and has served as editor, programme committee member and reviewer for more than 60 journals, books and conferences. He holds a PhD in Electronic Government.



Nikolaos LOUTAS

Senior Manager Data and Analytics, PwC, Belgium

Nikolaos Loutas is a senior manager with PwC Technology Consulting, where he helps public sector clients do away with long-standing data management, integration, analytics and interoperability challenges to improve the services provided to their internal and external stakeholders, to increase the efficiency of public administration, and to promote evidence-based decision making.

He has a PhD on improving service provision through the use of customer-centric semantic service models. Having worked as a PhD researcher, since 2006, with leading institutes such as the Digital Enterprise Research Institute (DERI), NUI Galway and the Centre for Research Technology Hellas (CERTH), he acquired a deep understanding of and hands-on experience in semantic technologies, as an enabler to solve data exchange and integration challenges.



John DANN

Director at the Central Legislation Service at the Ministry of State in Luxembourg, and Chair of the “ELI Task Force” of the EU Council on the implementation of the “European Legislation Identifier” (ELI), Government of Luxembourg

John Dann is Director at the Central Legislation Service at the Ministry of State in Luxembourg, he is also the Chairman of the “ELI Task Force” of the EU Council on the implementation of the “European Legislation Identifier” (ELI). John acts as the European correspondent for the EU Council’s Working Party on “e-Law (e-Justice)”. He gives lectures for civil servants on “Access to Legislation”. Previously he had several international positions, as well as at the United Nations, focusing on new technologies and administrative reforms.



Marc KUSTER

Head of sector “Storage and electronic archive”, EU Publications Office

Marc Kuster joined the Publications Office (OP) in 2008 to develop its common content and metadata repository CELLAR. Since 2011 he has been head of OP’s “Storage and electronic archive” sector. He has been involved in the European Legislation Identifier (ELI) and IMMC projects from their beginnings, and serves now as a technical contact point for both activities.

Marc holds a degree in physics, a masters’ in philology and history and a PhD in modern philology. After working for the Tübingen University’s Computing Centre on humanities computing, and then the XML service provider Saphor GmbH, he became a professor for Web Services and XML Technologies at the University of Applied Sciences, in Worms.



Patrocinio NIETO MORENO

Service Manager, Ministry of Finance and Public Administration, the Government of Spain

Patrocinio Nieto has over 15 years, experience as ICT Manager and Advisor in private companies, and 10 years’ experience of working in eGovernment interoperability projects for public administrations.

The main projects that she has been involved in are the Spanish Point of Single Contact (www.eugo.es), the EUGO network group in Brussels, the TALEX mission of the European Commission for electronic administration optimisation in Ukraine, and the eBusiness Life Cycle pilot Spanish team (under the eSens project of the CEF programme from the European Commission).



Lutz RABE

Desk Officer, IT-Standards Coordination Office (KoSIT), Germany

Lutz Rabe currently works at the Standardisation Office of the Federal German Government and the Länder (KoSIT). He is responsible for governance and operation of the XÖV framework for standardising data exchange metadata for the German federal and state government. In this role he also provides advice and support on legal, procedural, semantic and technical issues related to the development and enforcement of metadata specifications for data exchange with and within the German public administration.

Mr Rabe started his career in 1997 as a research scientist in several European research and development projects. He began his work in the Federal government at the Department of Finance in 2010, where he served as local project manager in the Large Scale Pilot projects (LSPs) PEPPOL and SPOCS.



Shuichi TASHIRO

General Manager, Information Promotion Agency (IPA), Japan

Dr Shuichi Tashiro is a General Manager of the Open Standards Promotion Center of the Information-technology Promotion Agency (IPA), Japan and is driving an IMI project to enhance the semantic interoperability of eGovernment systems. IMI published their core vocabulary on February 2015, after experimental use among some forward-thinking local governments and the open-data community. Dr Shuichi Tashiro began his work in the Electrotechnical Laboratory of the Ministry of International Trade and Industry as a researcher of computer science and networking in 1987. From 2002 he served in the METI to start up projects to promote OSS and Open Standards. He moved to IPA in 2006. He is also a lecturer of University of Tokyo and Chuo University.



Declan DEASY

Former Director, DG Informatics, European Commission

Declan Deasy has a degree in Engineering and a PhD in Computer Science from Trinity College Dublin where he was a lecturer in Computer Science. He joined the European Commission in 1978 and retired in December 2012 as Director for “Information Systems and Interoperability Solutions” at the Directorate General for Informatics. He was responsible for managing the e-Commission initiative and delivering high quality corporate information systems, common frameworks and interoperable, reusable components enabling the successful implementation of the e-Commission and EU policies. He is a member of the Scientific Advisory Board of LERO – the Irish Software Research Centre. His particular interest is the application of Evolving Critical Systems research to the public sector.



Clare ROWLEY

Head of Business Operations, Global Legal Entity Identifier Foundation (GLEIF), Switzerland

Clare Rowley is the Head of Business Operations at the Global Legal Entity Identifier Foundation (GLEIF). Prior to working with GLEIF, Ms Rowley worked at the United States Federal Deposit Insurance Corporation where she led technology initiatives improving bank resolution programmes and contributed to research on subprime mortgages.



Peter BURIAN

Programme Manager, ISA² programme of the European Commission

Peter Burian is a Programme Manager at the Interoperability Solutions for European Public Administrations (ISA) unit within DG DIGIT at the European Commission. For the past four years, he has led several projects dealing with various aspects of interoperability, including base registries and the Catalogue of Services, architecture and strategy. He is also the European Commission representative on the Telematics Enterprise Architecture Board of the European Medicines Agency.



Ziggy VANLISHOUT

Programme Manager Flemish Base Registries, The Flemish Information Agency (AIV), Belgium

Ziggy Vanlিশout has been working for the Flemish Information Agency since 2002. The mission of the agency is to enable the optimal application of information within the region. Ziggy is the coordinator of the spatial address register project and the roads register project. He was involved in the development of INSPIRE data specifications as an expert member of the thematic working group on addresses.

Ziggy is currently coordinating the 'Base registries for Flanders' programme. This programme aims at developing an integrated and harmonised set of base registers for persons, organisations, addresses, buildings, parcels, roads and large scale topography.



Miguel ALVAREZ

Programme Manager, ISA² programme of the European Commission

Miguel Alvarez Rodriguez is a Programme Manager at the Interoperability Solutions for European Public Administrations (ISA) unit within DG DIGIT at the European Commission since 2012. He is responsible for several actions related to implementing interoperable solutions for public services, particularly in the areas of electronic identification and signatures, access to base registries,

Catalogue of Public Services and eDOC.

From 2006 to 2012 he worked as a Senior Official on eGovernment and Information Technologies (IT) at the Ministry of Finance and Public Administration of Spain. He was the project manager of the national Validation Platform for eSignature and qualified certificates (@firma) and Spain's representative at STORK Consortium for the Large Scale Pilot on electronic identification. He was the leader of the workpackage that dealt with the definition of common specifications for the interoperability on eID. He was also co-chairman of the Consortium for one year.

He holds an engineering degree in telecommunications and an MBA.



Giorgia LODI

Agenzia per l'Italia Digitale – AgID, Italy

Giorgia Lodi received a PhD in Computer Science from the University of Bologna (Italy) in 2006. After a long period in the academic environment, in 2011 Giorgia moved to the public sector, working as consultant for “Agenzia per l'Italia Digitale” on such topics as technical and semantic interoperability, (linked) open data, cloud computing. In 2014, she also started working as research assistant at CNR (National Council of Research), in the Semantic Technology Laboratory (STLab).



Raúl Mario ABRIL JIMÉNEZ

Programme Manager, ISA² programme of the European Commission

Raúl Mario Abril Jiménez works in the ISA unit as Programme manager. He has over 35 years of IT professional services experience on international professional engagements in financial and telecommunications industries. His knowledge domains are Research Methods (Quantitative and Qualitative Analysis), Marketing (Research, IS), IT R&D (Portfolio Mgmt, Product Management), Project Management, and IS and Technology (Knowledge Management, DSS, BI, Data Warehousing, DBMS, IS Design). Raul has been actively publishing his research and is a professor at several universities.

Raul holds a doctoral degree (Henley Management College, UK), a European PhD Certification (European Doctoral School on Knowledge Management, DK), an Ing. Sup. Informatics (UAB, ES), and a master's degree in Project Management (The George Washington University, USA). He is a PMP certified professional, and has had permanent residences in San Diego (USA) where he worked for six years, and in Copenhagen (DK) for seven years.



Michalis VAFOPOULOS

Affiliate Researcher, National Centre for Scientific Research DEMOKRITOS, Greece

Michalis Vafopoulos is an affiliate researcher at the Software & Knowledge Engineering Laboratory (SKEL) of the Institute of Informatics & Telecommunications of the National Center for Scientific Research "Demokritos". His research and speeches are focused on Web economics and business, economic networks, linked open data, Web philosophy and Web literacy.

In 2014, he gave the keynote speech at the Web Economy Festival, and in 2015 has was elected as a member of the Board in the Greek Free/Open Source Software Society and director of the Open Data Institute Athens. He has written the bestselling book "Living with Web" (in Greek), which presents both the social and technical aspects of the Web as an integrated part of everyday life.

Today, in the context of the YourDataStories and BigDataEurope H2020 projects, he is working on the notion and engineering of the Linked Open Economy as a top-level conceptualisation that interlinks major economic open data.



Paul JANSSENS

Programme Director, SWIFT, Belgium

Paul Janssens is Programme Director at SWIFT. In this role, he has been leading the LEI initiative from the early stages of developing the standard, through to the implementation of the largest LEI issuer to date (the GMEI Utility), in partnership with DTCC. He manages the BIC standard registration authority, and has more than 15 years of experience in reference data management and ISO data standards across both operations and marketing. Paul is now also actively involved in the adoption of the ISO 20022 standard for regulatory reporting.

Previous experience includes delivering various strategic, financial industry-wide initiatives and acting as Group Treasurer. Prior to joining SWIFT, he worked at Société Générale. Belgian.



Daniele RIZZI

Policy Officer, DG CNECT, European Commission

Daniele Rizzi has a degree in civil engineering from the Politecnico di Milano University . He has spent most of his professional life working on the development of information and communication systems and tools, in particular in the domain of spatial information, both in the private and the public sector. Daniele joined the European Commission in 1993, where from 2004 to 2012 he worked on the adoption and implementation of a European spatial data infrastructure (INSPIRE). Since December 2012, he has been contributing to the development of Commission Open Data policies in DG Communications Networks, Content and Technology, working in particular on the deployment of Open Data Portals.



Makx DEKKERS

Data Standards expert, consultant

Makx Dekkers has extensive experience in information technology, standardisation and international cooperation, especially in the broad areas of eGovernment, access to Public Sector Information and to cultural resources, digital heritage. The main focus of his activities lies with the development and practical application of solutions for information management and data exchange with emphasis on interoperability from both strategic and technical perspective.



Simon DUTKOWSKI

Senior System Architect, Fraunhofer FOKUS, Germany

Simon Dutkowski is a scientist and Senior System Architect in the Competence Centre for Digital Public Services at the Fraunhofer Institute FOKUS in Germany. He has worked many years in the area of public sectors. He built his experience in projects engaging optimisation and improvement for processes between industry and the government, and is now responsible for the technical aspects of Open Data projects. Among many open data projects, he developed the German Open Data portal “GovData”, and the Hamburger Open Data portal. Mr Dutkowski currently works for the European Data Portal which is based on the metadata specification DCAT-AP. He also participated in the specification process for DCAT-AP 1.1.



Marco PELLEGRINO

Statistical officer and project manager c/o Eurostat European Commission

After joining the European Commission in 1995, Marco Pellegrino has held several positions at Eurostat, dealing with statistical information systems, reference databases, information models and standards for data and metadata exchange. He has authored several working papers on these subjects, and has co-organised work sessions on metadata information systems (METIS) together with UNECE and OECD, between 2000 and 2009.

Since 2001, he has been active in the creation and promotion of the SDMX standard for data and metadata exchange (ISO IS 17369) and its infrastructure. In 2006-2008, he edited the SDMX Metadata Common Vocabulary (MCV) and then the SDMX content-oriented guidelines. His main interest, at present, is the promotion of advanced standards for managing micro data and aggregated data, and for the dissemination of high-quality open data. He serves as Eurostat's representative on the DDI Alliance scientific committee and on the Technical working group of the SDMX Secretariat.



Andrea PEREGO

Scientific Project Officer, European Commission's Joint Research Centre

Andrea Perego is a scientific project officer at the European Commission's Joint Research Centre, where he is a member of the team in charge of the technical coordination of the INSPIRE Directive of the EU. He is involved in European and international initiatives on standardisation, open data and cross-domain interoperability – as the World Wide Web Consortium (W3C) and the Research Data Alliance (RDA). In the framework of the EU ISA Programme, he co-chaired the groups who developed the Core Location Vocabulary and the geospatial extension of DCAT-AP (GeoDCAT-AP).



Bart HANSSENS

Interoperability Expert, Fedict, Belgium

Bart Hanssens is an Interoperability Expert working for the Belgian Federal Public Service for ICT (Fedict).

As the Technical Lead of the federal Open Data Taskforce and one of the DCAT-AP 1.1 reviewers, he designed the tools that harvest metadata from various Belgian regional portals and keep data.gov.be up-to-date.

He is also the Belgian representative to the EU Multi-Stakeholder Platform on ICT Standardisation.



Hans OVERBEEK

Senior advisor standardisation, Netherlands Publication Office

Hans Overbeek has a background in information analysis and has worked in the public sector for 11 years, in advisory roles on metadata in the domain of government information in general, and specifically of official publications like legislation. Hans has worked on the Dutch Open Government Data Portal, data.overheid.nl, and the Dutch Application Profile for DCAT, which is used to exchange metadata about datasets between data catalogues in the Netherlands.

He has been an active member of the Semic working groups on DCAT application profile for data portals in Europe and DCAT application profile implementation guidelines.

Hans is actively involved in the Platform Linked Data Nederland, which provides best practices and recommendations on linked data strategies for the public sector.

Contact

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Related initiatives



Organisation

This conference is organised under ISA², the European Commission's programme for interoperability solutions for European public administrations, businesses and citizens.

More on the programme:
<http://ec.europa.eu/isa/isa2>

More on the SEMIC action:
http://ec.europa.eu/isa/actions/01-trusted-information-exchange/1-1action_en.htm



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