

Minitrack: Worldwide Advances in eGovernment Interoperability

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Description:

Moving in the direction of Electronic and Transformational Government roadmaps, as adopted by Governments all around the world, interoperability is posing as one of the great challenges for administrations, industry and research. With the basic standardisation now in place, as most Governments have issued eGovernment Standardisation Frameworks, attention is gradually transferred to the implementation and deployment of infrastructures to support one-stop delivery of public electronic services, through the interoperable operation of a vast number of systems, organizational units and public officials.

Within this context, the minitrack is targeting novel approaches, methods, practices and tools for achieving interoperability in the provision of Digital Public Services, resulting into a significant increase of service quality for citizens and businesses. Specific importance is to be placed in multidisciplinary approaches, combining organizational, legal, semantic, technical and participative elements of interoperability, providing relative support by advanced information systems. The minitrack will also provide a stand for real-life application examples, showing adoption by public administration, citizens and enterprises at international, national or local level.

Objectives

The Minitrack aims at providing the latest research findings such as theoretical foundations, principles, methodologies, architectures, technical frameworks, international policy, standardization and case studies for the achievement of interoperability within the provision of digital services from administration and businesses towards the user citizens and enterprises. These research findings are organized along the following main areas of contribution:

- The provision of novel research approaches for advancing interoperability, applicable both to public administration and industry, worldwide.
- The analysis of the services transformation process and tools, towards one-stop, interoperable digital public services for citizens and businesses.
- The presentation of standardization approaches and initiatives for interoperability at national, regional and international levels.
- The analysis of data interoperability achievements, through transformation and semantic matching methods and tools.

Since interoperability is a multi-disciplinary domain, new research challenges are also bound to touch Semantics, Web Service Technologies, Business Process Management and Re-engineering, Service Oriented Architectures and Model Driven approaches.

Topics

Recommended topics include, but are not limited to, the following:

- Interoperability State of the Art, Methods and Literature Reviews
- Social and Business implications of Interoperability in public administration
- Interoperability Assessment in Administrations and Enterprises
- Interoperability Standardization for governments
- Process management: One Stop Shop approaches and methods
- Ontology-based interoperability approaches
- Data interoperability standards for governments (UN/CEFACT/CCTS)
- SOA frameworks and architectures for interoperable governmental services
- Digital service registries and interoperability infrastructures
- Workflow execution and rule based systems in e-Government
- Future Internet in e-Government Interoperability
- Interoperability service utilities and infrastructures
- Interoperable electronic ID's and authentication methods
- Agent-based approaches for interoperable service provision
- Policies and Decision making for Interoperability in e-Government
- BPR/BPM achieving interoperability in the Enterprise Environment
- Private – public partnerships for interoperable services provision
- Case studies in Administrations worldwide

Target Audience

The audience of the minitrack includes public administration officials and industry executives, engaged both in organisational design and ICT deployment, researchers and practitioners in the Electronic Government, Electronic Business and Interoperability domains, university students and professors of Computer and Management sciences, ICT industry staff engaged in eGovernment projects and solutions, policy makers and decision drivers at local, national or international levels.

Contribution Solicitation

eGovernment Channels where track co-chairs are members include:

- Digital Government Society of US, the leading research society for eGovernment in US
- InteropVlab Network (European Interoperability Research Framework, with more than 500 members – specialized researchers in the field). www.interop-vlab.org
- Enterprise Interoperability Centre (EIC), bearing more than 200 members from ICT industry.
- European Commission Enterprise Interoperability Cluster (200 members, experts in interoperability issues)
- NESSI eGOV Working Group (industrial European Technology group, with more than 500 members – enterprises). www.nessi-europe.org
- Main eGovernment conferences where co-chairs are session or workshop organizers (eChallenges, DEXA eGOV, HICSS, dg.O, etc)
- IFIP Working Group 8.5, on Public Administration Information Systems
- UN/CEFACT and CEN Standardisation Working Groups on eGovernment
- Co-chairs lists of eGOV-Interoperability researchers and practitioners