

ICTs in Management and Innovation of Organizations

Thematic guidelines

Digital transformation of the entities

Strategic planning and change management. Diagnose of the state of the organizations in the face of their digital transformation. Principles, obstacles and opportunities for digital transformation. Digital transformation management models. Business architecture management. Digital government, open government. Interoperability in information systems. DevOps cultural movement, integration, liberations and continuous deployment. Adoption of container technologies (Docker/Moby, unikernels). Monitoring. Configuration management. Microservices. Scalability.

Safe exploitation and generation of technologies

Strategic management of ICT security. New business models before mobility tendencies, 4.0 industry and the Internet of Things. Support systems in geographic environments (SADE - Spanish acronym), geographic information infrastructures (IDE - Spanish acronym) and geospatial business intelligence (GBI). Big Data: analysis, visualization and decision-making. Open source applications and platforms. Quantification of productivity, failures and risk metrics.

Knowledge management and innovation in organizations

Organization of the work for knowledge and innovation. Competence management to train leaders. Content management systems. Business knowledge patterns. Ontologies. Digital ecosystems. I+D+i models in enterprises. Commercial, competitive, technological and strategic surveillance. Professional development, ICT teaching and tutoring.

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