Information Sharing for E-Government

Pablo Fillottrani Elsa Estévez

Center for Electronic Governance United Nations University - International Institure for Software Technology

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Pablo Fillottrani, Elsa Estévez

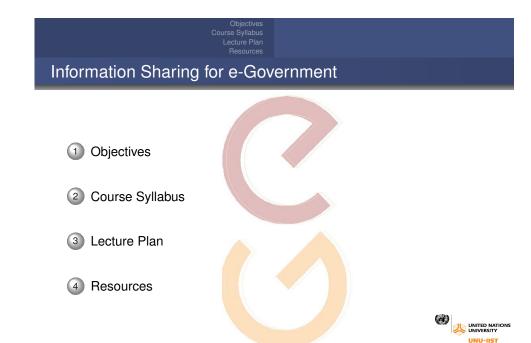
Information Sharing for E-Government

Objectives Course Syllabus Lecture Plan

Objectives

- Information sharing (IS) is a key capability required for one-stop and networked government.
- it is not common in traditional public administration and management, thus IS initiatives must overcome a range of technical, organizational, cultural and other barriers, which are generally difficult to overcome by individual agencies.
- in this course, we introduce the problem of information sharing in government, its benefits, barriers and technical approaches.
- we analyze current models and strategies, and review supporting frameworks and architectures.





Objectives Course Syllabus Lecture Plan Resources

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Course Syllabus

- five classes of three hours
- grading based on final project





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Course Syllabus
Lecture Plan
Resources

Lecture Plan

- 1 Introduction. Concepts of Information Sharing. e-Government issues. (3 hours)
 - 1 Information systems: organizational aspects, classification, resources, components. Ethical and security constraints.
 - 2 e-Government: models, resources, challenges.
- 2 Data integration. Semantic Web. Ontologies (4 hours)
 - Information Sharing: objectives, data modeling, metadata.
 - Semantic Web. Syntactic integration. XML
 - ③ Ontologies. RDF
 - 4 Ontology languages for the Semantic Web. OWL
 - Ontology-based information sharing



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Resources

web page

http:
//www.cs.uns.edu.ar/~prf/teaching/ISEgov/





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Lecture Plan

- Models of Information Sharing in government (3 hours)
 - Model of Dawes
 - 2 Model of Landsbergen and Wolken
 - GISF model
- 4 Countries' experiences (5 hours)
 - Frameworks vs Architectures
 - 2 Frameworks
 - United Kingdom
 - 2 Australia
 - 3 United States
 - 4 New Zealand
 - 5 Estonia
 - Case Studies





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