e-CADASTRE = e-PROCESSES + Business Rules:
The Lessons of Lebanon Cadastre Automation Project

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Key words: Electronic Cadastre, ICT, Business Process, Business Rules.

ABSTRACT

The 1999 UN-FIG Bathurst Declaration advocates designing and building land administration systems which are service-oriented and based on the careful analysis and cadastral information flow. The Lebanese Cadastre Automation project (a $20 M World Bank endeavor) has attempted to build such systems. The target systems have been designed to integrate three distinct but inter-related aspects of Cadastre work: workflow (business processes), cadastral functions, and handling of citizen transactions. This integrated approach implies moving from existing business processes to e-Processes. The e-Processes in turn require that constraints and procedural guidelines which are usually referred to as business rules and govern the conduct of the underlying processes be embedded in the software supporting the citizen transactions. Transactions include items like issuing map abstracts, doing land subdivisions and land annexations. This paper will describe the design principles behind the Lebanese system and highlight the lessons learned based on the initial implementation of the system—this is an attempt at building e-Cadastre using e-Processes and business rules.

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