

Report of Session 6: e-Governance Tools and Methodologies

Chair: Prof. Aly Fahmy,
Reporter: Dr. Solomon Atnafu

June 6, 2008 (9:30 AM – 0:45 PM)

- There were five presentations, two from researchers in Africa and three researchers from South America,

Presentation #1

Presenter: Dr. Hatem Mohamed

Title: Process Modeling Methodology for
e-Local Government Service Delivery Projects
in Egypt.

Research done by:

Prof. Dr. Aly Fahmy

Dr. Hatem ELKADI

Dr. Hisham AbdelSalam

University of Cairo, Egypt

Content:

- **Municipality Services Internal**
 - Building permits, Commercial/industrial license, Low cost housing, Real Estate Taxation, Street Advertisement permits, Street works permits
- **Procedures Modifications**
- **Services Automation**

- **eAlex**

- Aims to support the operations using IT to: reduce delivery time, establish a monitoring and control system for better transparency and equity,

- **National Roll-out Status**

- 35 sites completed in Cairo, Alexandria, Giza, Suez, Luxor, Menia, Red Sea, ...
 - 19 sites in progress
 - Model adopted for other projects:
 - Traffic Departments
 - Local Investment Authorities

- Model adopted by USAID funded projects in other municipalities

- Outputs:
 - Technical Reports: Requirement Analysis, proposed Methodology, Technical Manual, User Manual, the System.

Q&A

- Questions raised were on:
 - The Language used, on the use of Psychometric measurement applications, the use of OSS, the range of coverage of the sources,

Presentation #2:

Presenter: Mr. Dessalegn Mequanint,

Title: ICT for Local Governance:

A Case Study on the Application of ICTs on Life-Event Services at the Kebeles of the City Government of Addis Ababa, Ethiopia

Researchers:

Solomon Atnafu, Dessalegn Mequanint and Yigeremew Adal , Department of Computer Science, Addis Ababa University

Content:

- The Research Problems
- The Objectives
- Methodology
- Results and Findings
- The Prototype System-KLESS

Q&A

- Questions:
 - Is it Online,
 - What is the improvement in time to process a service
 - The duration it takes the prototype,

Presentation #3:

Presenter: Hugo Cesar Hoesh, from Brazil

Title: Knowledge Management with
Artificial Intelligence KMAI

Researchers:

HOESCHL, Hugo Cesar, Post Doc

BUENO, Tânia Cristina D' Agostini, PhD

MATTOS, Eduardo, PhD cand

RIBEIRO, Marcelo Stopanovski PhD cand

Content:

- e-gov system to automate
- about Brazil and Florianopolis:
- Video show about Brazil and Florianopolis
- KAMI Process:
 - Knowledge Engineering, Gathering, Storage, Analysis, , Diffusion;
 - Includes a dynamic contextualized Knowledge Representation component,
 - Shows the interface:

Q&A

- Questions:
 - What do use for Text mining? To search and , to analyze the main situations,

Presentation #4:

Presenter: Prof. Edson Rosa Da Silva,

Title: Decision Support System for City Halls

Researchers:

Edson Rosa Da Silva, Thiago Paulo Silva de Oliveira,
SANTA CATARINA STATE, BRAZIL,
Universidade Federal de Santa Catarina
Graduate Program in Engineering
and Knowledge Management

Content:

- Objectives: Show City managers a need for creating decision support intelligence systems
- Brazilian norms for city planning are used,
 - Why are norms alone are not enough for public managers,
 - Use of **Appropriate Technologies**
 - Business intelligence tools are used: database - localization, attributes, description of payments, etc.
 - **Improving data analysis**
 - **Information Generation for Governmental Planning**

Presentation #5

Presenter: Prof. Tania C.D.

Title: Ontojurs: an Exercise for Electronic
Government

Content:

- An innovative technology for management of textual documents:
 - Based on three dimensional management of Knowledge, where knowledge is mapped through ontological meta-synopsis,
- It is different in that the way search results are presented-different views of the same information.
- It is at a maturity level of implementation at two levels:
institutional level, and then as search tool
- Institutional level, on focused them: MONGEE, OntoJuris
- As a search Engine: OntoSyn – five types of search results

Q&A

- How the Ontology is developed? How data is entered (by hand but using an automated structure),
- How the language issue is managed in the Ontology development?