Presentation of a Software Application for Land Management and Administration Purposes Based on Open Source Software

Volkmar Herbst / Michael Wagner

Albania

120,000,- € for proprietary software
Ghana

180.000,- € for proprietary software

Mongolia

2.000.000,- US $ for proprietary software
Senegal

40.000,- € for OSS customized to local requirements

Freedom of choice
Open standards
Low cost
High quality
Secure
Independency
Adaptable to local requirements
Higher effort for training
No warranty claim
Capacity for support
OSS
Interoperability with proprietary software
Missing documentation
Mental barrier

Convincing decision makers
Listen, don’t lecture
Particular system for particular needs
Reusing common components
There is no simple system.
Compromise regarding existing software
Plan support / warranty period
Senegal

Technical implementation

Direction Générale des Impôts et Domaines
(General department for tax and land)

- Direction du Cadastre
  (Cadastre Department)

- Direction des Impôts
  (Tax Department)

- Direction de l’Enregistrement, des Domaines et du Timbre
  (Registration Department)
Land Administration Domain Model (LADM)
Customisable

Database component
- Creation of a complete history for all cadastre objects
- Automatic validation (initial registration)
- Quality control (topology, value domains)

Client component
- Visualisation extension
- Customised editing tools and tools for case management
- Customisable printout

Custom toolbox
- Import/Export of data (GML/ KML/ Shape)
Raise awareness among clients, donors and consultants / experts

Joint effort regarding a cadastre toolbox

Improve access to documentation

Facilitate participation of experts

FIG recommendation

Thank you!