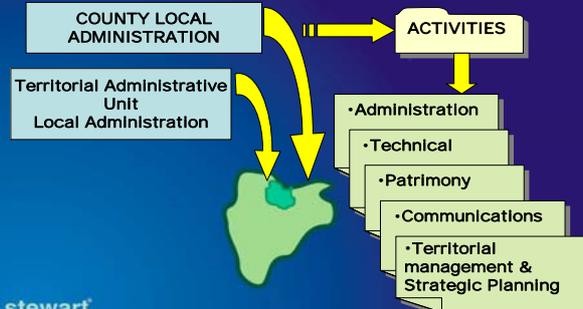


Land Management System A Tool for Local Administrations

Paul-Dan Ursu, ROMANIA
Jill Urban-Karr, USA



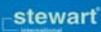
Local Administration



Strategic Planning

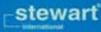
It is based on:

- ✓ current situation (physical, economical),
- ✓ legal framework,
- ✓ general strategy of the national government,
- ✓ general strategy of county government,
- ✓ impact analysis, risk assessment, and customer feedback.

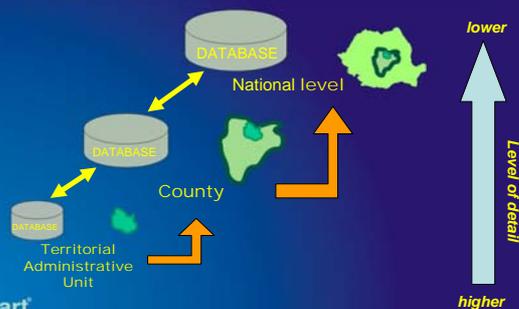


Evidence and Analysis System (EAS) for Local Administrations

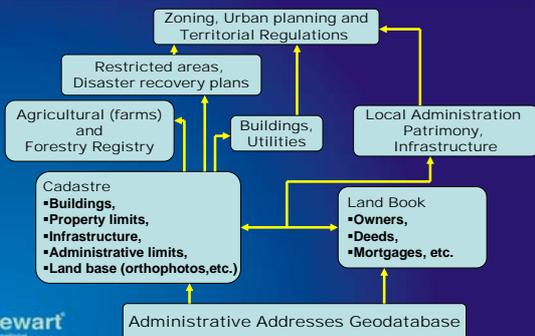
- EAS is a tool for supporting and evaluating local administration's activities by correlating and integrating necessary information sets, resulting in a powerful decision-support tool.
- EAS is composed of two major components:
 - Territorial Data System
 - Decision Support System



Territorial Data System



Structure of the Territorial Data System



Composition of the Territorial Data System

- Geodatabase of cadastral and land book information of territory
- Geodatabase of agricultural land, forestry and waters
- Geodatabase of buildings and utilities
- Geodatabase of infrastructure
- Geodatabase of zoning and other urban regulations
- Database(s) for demographics, taxes, restricted areas, etc.
- Geodatabase of Administrative Addresses, structure information and link databases.

stewart
International

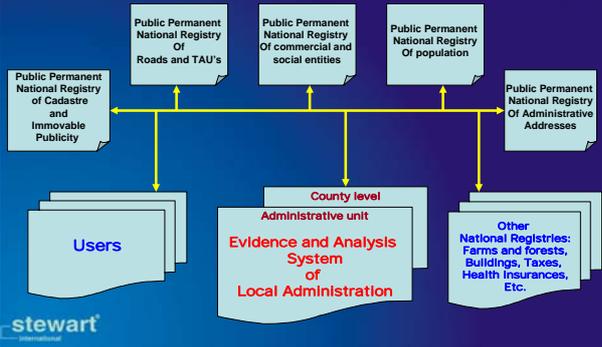
Decision Support System

Set of analytical tools, results of analysis and synthesis based on datasets, grouped in MODULES:

- *Module 1:* Productivity analysis (unemployment, poverty, income, local productivity)
- *Module 2:* Social development (demographics, health, child care, education, crimes)
- *Module 3:* Utilities (location, type, capacity, maintenance history, fees)
- *Module 4:* Transportation (road and street system, public transportation, right-of-ways)
- *Module 5:* Environmental management (pollution monitoring, sensitive areas, inspections)
- *Module 6:* Public services (fire and emergency response, disaster planning, social services, cultural and historical area preservation, etc.)
- *Module 7:* Urban Development (planning, zoning, permitting, inspections)
- *Module 8:* Agriculture and Forestry Management

stewart
International

EAS and the Central Administration



stewart
International

Concluding Comments

Benefit of EAS are:

- ❖ Coherent and coordinated management of the territory;
- ❖ Fair and efficient support for tax valuation, assessment and collection;
- ❖ Efficient, complete and precise resource for correlated information for third parties;
- ❖ Comprehensive technical support for decisions;
- ❖ Budget and resource management and analysis;
- ❖ Efficient support for Public Administration activities.

stewart
International

THANK YOU !

pdursu@stewart.com

jkarr@stewart.com

www.stewart.com

stewart
International