

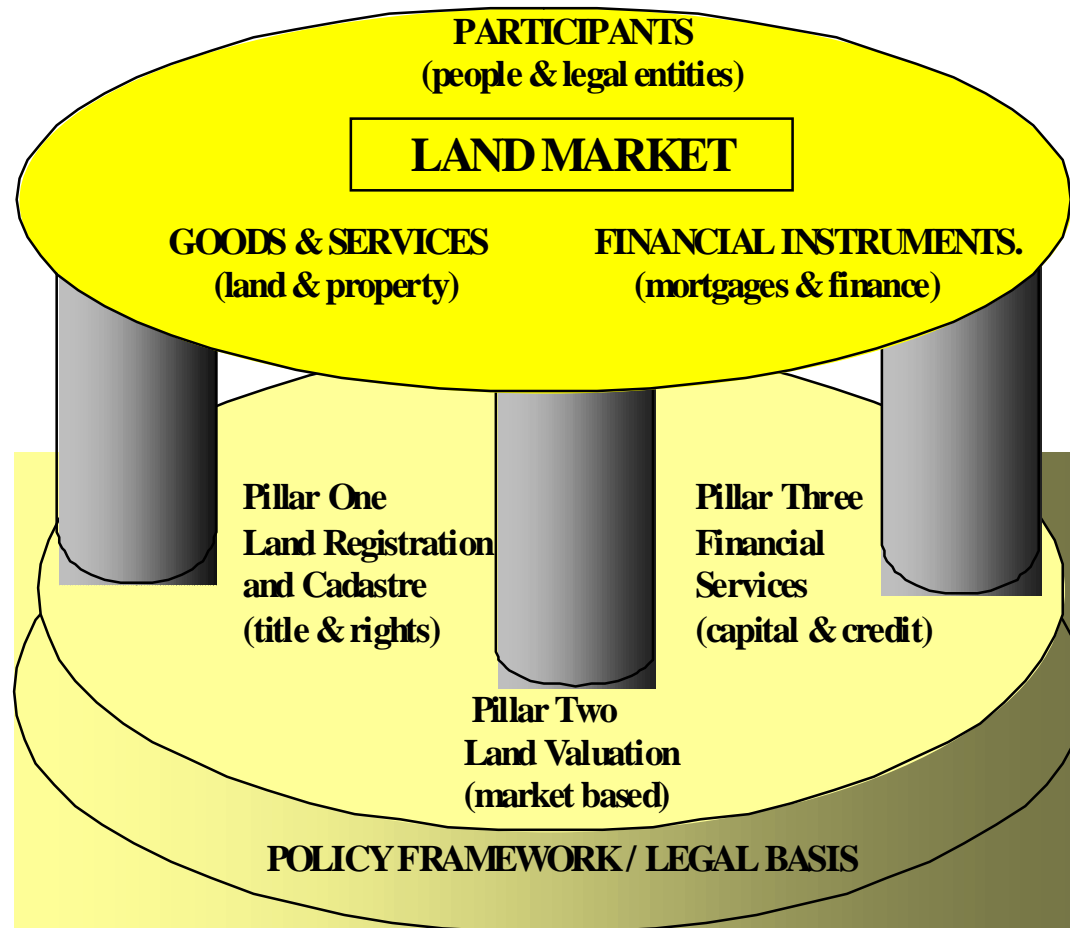
**Is technology a blessing or a
curse
in land administration?**

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The Three Pillar Model



ISSUES

- Data Capture
- Data Storage and Retrieval
- Data Processing and Manipulation
- Data Distribution and Display
- Data Use

COSTS OF MODERNISATION for average sized CEEC

	Time in years	Cost in MECU
• Basic infrastructure	5 - 10	35
• Text data conversion	5 - 7	25
• New surveys (High/Medium accuracy)	15/10	1500/75
• Map data conversion	7 - 10	250
• Operating costs & maintenance	10	35
• Development	10	25

DATA CAPTURE (1)

- Capital Intensive v Labour Intensive
- Accuracy v Precision
- Monuments v Measurements
- Risk Management
- Maintenance

DATA CAPTURE (2)

- Field Survey (including GPS)
- Photogrammetry (and Remote Sensing)
- Text Data (e.g. Adjudication)
- Data Conversion

DATA STORAGE AND RETRIEVAL

- Archiving over centuries
- Controlling Access to Data
 - by individuals
 - by commercial exploiters

DATA PROCESSING

- Record Management
- Data Analysis
- Data Integration - Tenure, Value & Use
- Joined-up Government

DATA USE - THE PROVIDERS

- Data Ownership and Copyright
- Liability for Data Quality
- Pricing Mechanisms
- E-Commerce

DATA USE - THE CUSTOMERS

- Privacy & Confidentiality
- Costs
- Accountability

CONCLUSIONS

- Technology - Master or Servant?
- New Opportunities call for
Total Re-engineering
- The Challenge of developing new forms
of Data Analysis
- Haves versus Have-nots