

المملكة المغربية  
وزارة الإسكان والتعمير  
والتهيئة المجرية

## The Digital Territorial Development

### When the Numerical Technology Reinforces Territorial Development

DIRECTION OF LAND ADMINISTRATION  
[www.territoires.gov.ma](http://www.territoires.gov.ma)

Ms. Fatima Barkan  
Surveyor  
Chief, Division of Territorial Offer Valorization

## OUTLINE

### ➤ LAND ADMINISTRATION POLICY

- ✓ THREE BASIC PRINCIPLES
- ✓ FOUNDATIONS AND REPOSITORIES
- ✓ THE NATIONAL SCHEME OF LAND ADMINISTRATION

### □ DIGITAL LAND DEVELOPMENT

- BACKGROUND AND PRELIMINARY CONSIDERATIONS
- OBJECTIVES AND EXPECTED RESULTS
- SOME QUESTIONS
- ANALYSIS OF NATIONAL PROGRAMS
- 1st DIAGNOSTIC OF NEEDS

✓ LAND ADMINISTRATION POLICY  
✓ DIGITAL LAND DEVELOPMENT

LAND ADMINISTRATION POLICY

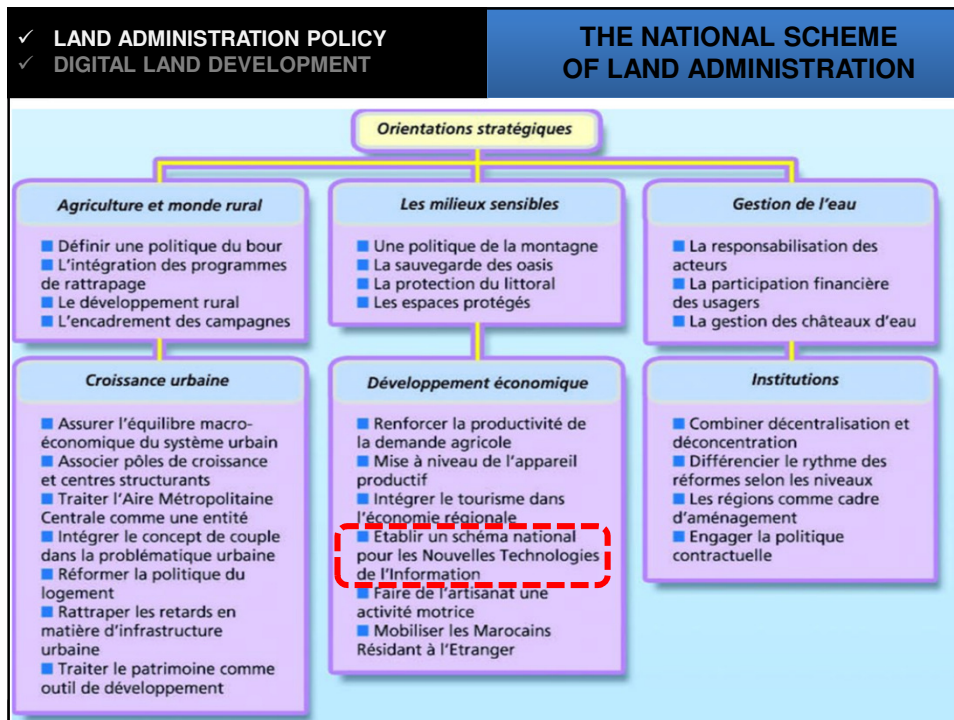
**Three basic principles**

The diagram consists of three overlapping circles. The top circle is red and labeled 'Social equity'. The bottom-left circle is green and labeled 'Economic Efficiency'. The bottom-right circle is orange and labeled 'Preservation of resources and environments'. The circles overlap in the center and at the intersections between pairs of circles.

✓ LAND ADMINISTRATION POLICY  
✓ DIGITAL LAND DEVELOPMENT

FOUNDATIONS AND REPOSITORIES

National Debate	<ul style="list-style-type: none"> <li>• Bottom up: from local to regional to national</li> <li>• Diagnosis of major territorial malfunctions</li> <li>• Allowing everyone to contribute to a collective and concerted: SNAT (National Scheme of Land Administration)</li> </ul>
National Charter	<ul style="list-style-type: none"> <li>• The synthesis of a public debate and consensus</li> <li>• A framework that outlines the territorial issues and adopt the basic principles and guidelines which must be based on Land Administration</li> </ul>
National Scheme	<ul style="list-style-type: none"> <li>• Strategic orientations in which the state displays its policy options in terms of overall management and development planning</li> </ul>






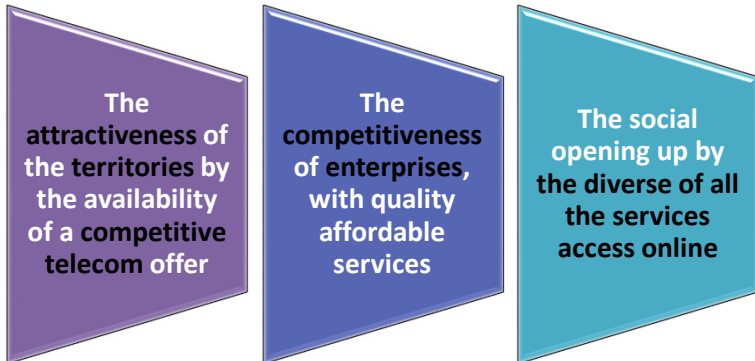
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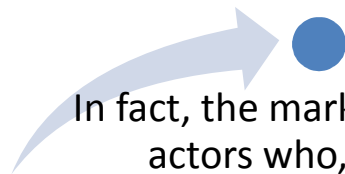
**THE NATIONAL SCHEME OF LAND ADMINISTRATION**

**The debate on the impact of ICT on spatial planning has been highlighted in the SNAT**

- ✓ How the creation of new satellite towns - which responds to a global planning strategy within the SNAT - integrates ICT?
- ✓ ICT are an effect of polarization or otherwise dispersed activities ?
- ✓ Is Networking territories contributes to the enrichment of some territories to the detriment of the poor (effect centripetal) ?
- ✓ How can ICT contribute to a new regional balance?
- ✓ How to make equitable actions to be undertaken over the next 5 years, knowing that the 16 regions are not all at the same level of development?

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>DIGITAL LAND DEVELOPMENT:          BACKGROUND AND PRELIMINARY          CONSIDERATIONS</b>
 <p>IT development and its territorial impact</p>  <p>Digital Land Administration</p>  <p>At a territorial Level</p>	<ul style="list-style-type: none"> <li>• The dynamic that marks the more our present</li> <li>• A digital revolution worldwide that affects the social and economic sphere</li> <li>• The world has become a global village</li> </ul> <ul style="list-style-type: none"> <li>• <u>Process</u> by which stakeholders/actors in the territory encourage the spread of communications networks and conditions of access to IT</li> </ul> <p>A factor of territorial attractiveness and competitiveness</p>

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>DIGITAL LAND ADMINISTRATION :          QUESTIONS</b>
<p>How to meet the digital coverage of sparsely populated territories in satisfactory condition          (households, administrations and businesses)</p> 	



In fact, the market operators are private actors who, for reasons of cost-effectiveness, invest in dense territories in terms of users (population and businesses); creating a **digital divide** between the territories



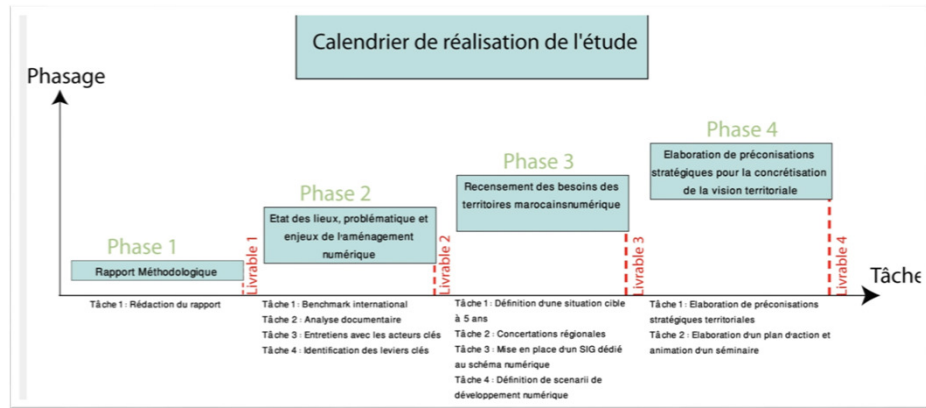
It is for **the principle of equity** that the Moroccan Ministry of Habitat, Urbanization and Land Administration projects territories in their entirety:

**"making possible ICT access to all"**

by developing a territorial vision for digital development for the next **5 years**, declined in an **action plan** and coordinated with the **actors**


<ul style="list-style-type: none"> <li>✓ LAND ADMINISTRATION POLICY</li> <li>✓ DIGITAL LAND DEVELOPMENT</li> </ul>	<p style="text-align: center;"><b>ELABORATION OF A TERRITORIAL VISION FOR DIGITAL LAND DEVELOPMENT</b></p>
	<p>The generalization of access to telecommunications services is a structuring component of LAND ADMINISTRATION, insofar as:</p> <ul style="list-style-type: none"> <li>✓ It is essential for the attractiveness of the territories,</li> <li>✓ With all of the transformations that it creates at the level of the sectors of activity, and</li> <li>✓ For social cohesion for distant territories and strengthening social relationships</li> </ul>

<ul style="list-style-type: none"> <li>✓ LAND ADMINISTRATION POLICY</li> <li>✓ DIGITAL LAND DEVELOPMENT</li> </ul>	<p style="text-align: center;"><b>DIGITAL LAND ADMINISTRATION : OBJECTIVES AND EXPECTED RESULTS OF THE STUDY</b></p>
<p style="text-align: center;"><b>Objectives</b></p>	<p>Identify and characterize the Moroccan territories for their digital development for the next 5 years, declined in a concerted and operational action plan with the actors</p>
<p style="text-align: center;"><b>Expected Results</b></p>	<ol style="list-style-type: none"> <li>1. Upgrade and strengthen the legislative and regulatory framework (town planning code, occupation of the public domain, etc.)</li> <li>2. Elaboration of a typology of the territories, taking into account the current state and the targeted objectives</li> <li>3. Formalization of knowledge through the establishment of a dedicated GIS proposal of territorial strategic recommendations and provide the necessary tools to support the territories (regulatory, technical and financial)</li> <li>4. Elaboration of a plan of actions anchored and concerted with actors.</li> </ol>



### Actions Realized until now

1. International Benchmark
2. Documentation Analysis : reglementary texts et national programs
3. Assessment of actor's needs
4. Identification keys for Digital Land Administration

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>Analysis of national programs</b>
<p><b>Digital Morocco 2013 : An ambitious national strategy initiated in 2009</b></p> <ul style="list-style-type: none"> <li>• Strategy covering: 4 fields: citizens, government, business, ICT sector</li> <li>• 3 transverse directions: Governance, Trust Digital, Human Resources</li> <li>• Initial measures undertaken under the eGov program with aims to improvesignificantly the importance of Morocco in the ranking UN eGov</li> <li>• Strategy primarily aimed at national and national actors (including national governments), which implies little visibility on the impact of actions at regional level.</li> <li>• Some exceptions to this observation:            GENIE Program (ICT in schools), implementation of ACC program Nafid@ ...</li> </ul> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;"> <p>There is a <b>Complementarity</b></p> </div> <div style="text-align: center;">  </div> </div>	

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>1<sup>st</sup> diagnostic of needs</b>
<p><b>The Government projects to develop the uses</b></p> <ul style="list-style-type: none"> <li>• E-Government: improve the internal performance of administrations and service to citizens.           <ul style="list-style-type: none"> <li>• Already on first results: VAT and salary statements online</li> </ul> </li> <li>• GENIE: multimedia classrooms in all primary schools, colleges and high schools of the Kingdom (9000 institutions)</li> <li>• Nafid @: laptops for teachers with access to the Internet</li> <li>• Implementation of Community Access Center's in IT</li> </ul> <p><b>First Conditions of success of these access networks across</b></p> <ul style="list-style-type: none"> <li>• Operations affordable and quality</li> <li>• A particular action for rural</li> <li>• Programs S.U. to improve coverage of the Kingdom Covenant:           <ul style="list-style-type: none"> <li>• For a 100% connected, voice and internet Morocco (PACTE; 9000 rural localities)</li> </ul> </li> </ul>	



- **Waiting for the different actors of development for a regulation more complete and precise:**
  - Guidelines for new constructions of the rules
  - Clear for the construction and operation of electronic communications infrastructure of the newly developed areas
  - Means to improve the aesthetic quality of habitat (deletion of parabolic antennas)
  - Clarify the conditions of occupations in the public domain by the infrastructure of civil engineering
- **Buried opportunities to enact new rules**
  - Revision of the Urbanism Code
  - Revision of the general regulation of the construction planning: towards a code of construction?

- Need to understand who does what?
  - What are the obligations of planners on the one hand and operators on the other hand?
  - IAM has specific rights?
  - What is the universal service?
  - What commitments by operators on scheduled operations?
- Need to share experiences
  - earn players joining the digital development
  - project to be more effective
  - to reduce costs

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>1<sup>st</sup> diagnostic of needs</b>
<ul style="list-style-type: none"> <li>• Waiting for operators act review of 1992 URBANISM CODE to account for the new context of the sector Telecom</li> <li>• Clarify the conditions of occupations in the public domain by the infrastructure of buried civil engineering or surface</li> <li>• That the authorities take into account the radio technologies for the digital coverage of the Kingdom</li> <li>• Define conducive rules to share infrastructure for lowering the costs of deployment of networks, wired and radio</li> <li>• A financial participation of the public authorities for the construction of the new networks (PPP)</li> </ul>	

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	<b>1<sup>st</sup> diagnostic of needs</b>
<ul style="list-style-type: none"> <li>• <b>A broadband market changing</b> <ul style="list-style-type: none"> <li>• The mobile Internet than fixed Internet (ADSL), which runs out of steam</li> <li>• Companies seeking better network connection services (eg offshore industry)</li> <li>• A wide variety of wired and wireless technologies               <ul style="list-style-type: none"> <li>• New players rent dark fiber in the wholesale market:                   <ul style="list-style-type: none"> <li>• ONE on power lines</li> <li>• ONCF along its tracks</li> <li>• Marais (France) has deployed a network along roads and in major cities</li> </ul> </li> </ul> </li> </ul> </li> <li>• <b>Contribution of GIS</b> <ul style="list-style-type: none"> <li>• Need on the part of operators, information on the territorial coverage by their services and their infrastructure network structuring.</li> <li>• Identify all infrastructure mobilized</li> </ul> <p style="text-align: center;"><b>Problems to access to operator's infrastructures data; essential for GIS setting -NRA</b></p> </li> </ul>	

✓ LAND ADMINISTRATION POLICY ✓ DIGITAL LAND DEVELOPMENT	CONCLUSION
<b>NEXT STEPS</b> <ol style="list-style-type: none"><li>1. Elaboration of a <b>typology of the territories</b>, taking into account the current state and the targeted objectives</li><li>2. Formalization of knowledge through the establishment of a <b>dedicated GIS</b> proposal of territorial strategic recommendations and provide the necessary tools to support the territories (regulatory, technical and financial)</li><li>3. Elaboration of a plan of actions anchored and concerted with actors.</li></ol>	
<b>Big PROBLEM</b> <p><b>Access to operator's infrastructures data; essential for GIS setting</b></p>	

<b>The Digital Territorial Development</b>	
<b>Thank you for your attention</b>	
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