DE L’ARCHIPEL OASIEN À L’ELDORADO PIONNIER

Gouvernance des nouveaux territoires irriguées

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Introduction

• « Groundwater economy »

Eldorado : Success story ?

• territorial extension
• "Agricultural frontier" area rural / pristine areas
• Front pionnier: Des espaces en cours de territorialisation
El Ghrouss, a pioneer front

Saharan context
Arid climate
Exclusive groundwater access
Strong labor migration
Palm trees
Greenhouses
Farm holdings in mutation from horticole crops to PD.
Current situation

- Colonization gradient
- Transitory culture
- Return to the patrimony (palm tree)
- Land quest (municipal, tribal, private, pastureland ?... Etc)
GW access

- Limitation of authorizations to drill
  200 tube-wells permitted at El Ghrouss (2011)
  1500 tube-wells identified at El Ghrouss (January, 2015)

- Land colonization (Doucen)

- Arrangement for the access
- Arrangement for the use
- Social network: neighborhood, drillers, local authority, …etc.
Water front

**Property**
- individuel
- collectif

- 33% individuel
- 67% collectif

**Usage**
- individuel
- collectif

- 49% individuel
- 51% collectif

**Density**
- 6
- 9
- 17

26 ERC : Gouvernance des eaux superficielles et souterraines
Infrastructures
1320 tube wells (Electrical network)
### 3 fronts for territorial conquest

<table>
<thead>
<tr>
<th>Land front</th>
<th>Water front</th>
<th>Infrastructure front</th>
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<tbody>
<tr>
<td><strong>Public actors</strong></td>
<td></td>
<td></td>
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<tr>
<td>MADR, APC,</td>
<td>DHW, ANRH,</td>
<td>Sonelgaz, APC</td>
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<td><strong>Civil society</strong></td>
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<td>beneficiary, farmer, owner,</td>
<td>drillers, users, water</td>
<td>users, domestic network,</td>
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<td>lessee,</td>
<td>diviner</td>
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</tbody>
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- **Front du foncier**
- **Front des infrastructures**
3 fronts for territorial conquest
3 fronts for territorial conquest
pioneer areas are the result of close alliance of 3 fronts; water, land and infrastructure

During the spatiotemporal quest for new territories, a front may precede the other. It can be promoted either by a state ambition, or through local initiatives.

Collective actions as the beginning of a governance mechanism;

    one factor may slow down the agricultural development dynamic, to limit the socio-economic and environmental impact.
Thank you