IRRIGATION SYSTEM AS A CLUB GOOD
KAIROUAN CASE STUDY (TUNISIA)

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INTRODUCTION

Usually irrigation system are considered as a common pool resources. (Ostrom, 1990)
Exclusion is easy in our case. Irrigation system as a club good. (Sandler Tschichart, 1997)
Production of water access = club good

<table>
<thead>
<tr>
<th>Exclusion (Easy)</th>
<th>Exclusion (Difficult)</th>
<th>Rivalry (High)</th>
<th>Rivalry (Low)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private goods</td>
<td>Common Pool Resources</td>
<td>Club goods</td>
<td>Public goods</td>
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RESULTS

Club production and adhesion of farmers
Performance of the club increases with the intensity of water consumption

Club production and congestion
Performance of the club decreases with congestion (water tour)

METHODOLOGY

Indicators:
- Adhesion : intensity of water consumption
- Congestion : water tour
- Heterogeneity : size index

Sample :
Survey
14 irrigation systems

CONCLUSION

Unsuccessful irrigations systems :
- Low level of adhesion
- High level of congestion

Successful irrigations systems :
- High level of adhesion
- Low congestion
- Highly homogenous

EXTENSION

- Lab experiment Students : Montpellier + Tunis
- Field experiment with Farmers of the irrigated system