



ICID2015

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SETTAT

Wastewater reuse for agriculture



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LA RECHERCHE AGRONOMIQUE
POUR LE DÉVELOPPEMENT

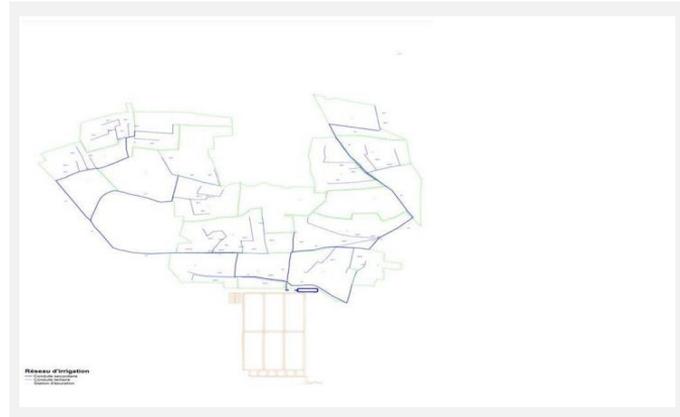
ÉCOLE
DE GOUVERNANCE
ET D'ÉCONOMIE
DE RABAT

مدرسة الحكامة
و الإقتصاد بالرباط



Description of the case study

Project's name	Country	City	Start Date-End Date	Water Sources	Uses
Settat wastewater reuse	Morocco	Settat	2003-	Domestic Wastewater	Agriculture



Sources

Origin	Domestic wastewater
Water reused (m³/Y)	4,2 M m ³ /Y

Uses

Crops	<i>Maize, wheat, fodder, potatoes, olive trees</i>
Irrigated Area (Ha)	300
Cost of the Cubic meter (€/m³)	0,42 €/m ³

Water Reuse Chain

Treatment	Lagoon
Disinfection	No
Storage Capacity (m³)	14.000 m ³ (only summer)
Irrigation	<i>Surface to localized</i>

How do I illustrate the question: Which practices, technologies and institutional framework to create effective, safe and cost effective water reuse chain?

- Institutional and legal frameworks still incomplete...
- ... and the usual large number of actors to coordinate

BUT

- Good historical relationship between State local technicians and farmers.
- Aquifer overdraft has long been recognized as a problem.
- Untreated wastewater was widely used...
- ... and treated wastewater has been *de facto* re-used, and tolerated, over several years.
- Users' association seems to have closely matched former community and tradition of shared work (*jema* and *twiza*).

⇒ **Project grew endogeneously from existing social arrangements.**



How do I illustrate the question:

Can we successfully reuse raw or low treated waste water?
