







**6 - Case Study**

- ENREGISTREMENT
- COPIER/CUTTER
- DATA PREPARATION
- DATA PROCESSING
- GIS PROTOTYPE
- CASE STUDY
- CONCLUSIONS

Sample data from the municipality of Sidi Kacem

- located in the South-East extremity of the plain of the Gharb
- about 70 Km north of city Rabat.
- area is about 683 ha.
- The center of the city has a mainly industrial vocation.

FIG WW Egypte 2005

**6 - Case Study**

- ENREGISTREMENT
- COPIER/CUTTER
- DATA PREPARATION
- DATA PROCESSING
- GIS PROTOTYPE
- CASE STUDY
- CONCLUSIONS

- statistics on cadastre data
- idea on the advance of land registration process and the zones that have a great demand of registration

**6 - Case Study**

- ENREGISTREMENT
- COPIER/CUTTER
- DATA PREPARATION
- DATA PROCESSING
- GIS PROTOTYPE
- CASE STUDY
- CONCLUSIONS

results of statistics on DW pipelines

FIG WW Egypte 2005

**6 - Case Study**

- ENREGISTREMENT
- COPIER/CUTTER
- DATA PREPARATION
- DATA PROCESSING
- GIS PROTOTYPE
- CASE STUDY
- CONCLUSIONS

searching all parcels encroached by a drinking water pipeline (1 m).

FIG WW Egypte 2005

## 6- Case Study

- Multi-criterion searches: properties responding to several criterions (area, titled, status, nb levels)

Surface (m²)	500	Constance
Status	Hab.	<input type="checkbox"/> T N
Affiliation immobilière algérie (HAB)		<input type="checkbox"/> Non précisée
<b>Chercher</b>	<b>Afficher les parcelles</b>	<b>Quitter</b>



FIG WW Egypte 2005

## 6- Case Study

- Overlaying the drinking water pipelines network and the UDM



FIG WW Egypte 2005

## 6- Case Study

- Result of overlaying the purification Net (blue) & the UDM



FIG WW Egypte 2005

## 6- Case Study

- Overlaying the cadastral map & city map



## 7- Conclusions

- > [Introduction](#)
- > [GOALS](#)
- > [DATA PREPARATION](#)
- > [DATA PROCESSING](#)
- > [GIS PROTOTYPE](#)
- > [CASE STUDY](#)
- > [CONCLUSIONS](#)

- Methodology to integrate cadastral data with municipality
- Database to develop a GIS tool using Map Basic, Visual Basic, and MapInfo 6.
- This tool will permit:
  - Interactive management of the geographic data handled by a municipality.
  - Overly the digital cadastral maps onto the urban development map, and extract useful information.
  - Data analysis, processing, updating, and searching.
  - Respond to some specific queries concerning local geographical information and establish some thematic maps and statistics.

FIG WW Egypte 2005

## 7- Conclusions

- > [Introduction](#)
- > [GOALS](#)
- > [DATA PREPARATION](#)
- > [DATA PROCESSING](#)
- > [GIS PROTOTYPE](#)
- > [CASE STUDY](#)
- > [CONCLUSIONS](#)

### What are the impacts on the development of the municipality ?

- Assist the realization of projects consisting of spatial data.
- Contribute to the socioeconomic development of a municipality through facilitating decision making.
- Facilitate the process of analyzing and extracting spatial data.
- Develop a consistent spatial reference frame, containing data on land management, and urban networks as well.

FIG WW Egypte 2005

**THANK YOU FOR YOUR ATTENTION**

FIG WW Egypte 2005