



INTEGRATING GEOSPATIAL AND STATISTICAL INFORMATION

SAMEH AL ARAIMI
NATIONAL CENTRE
FOR STATISTICS
& INFORMATION,
OMAN



Agenda

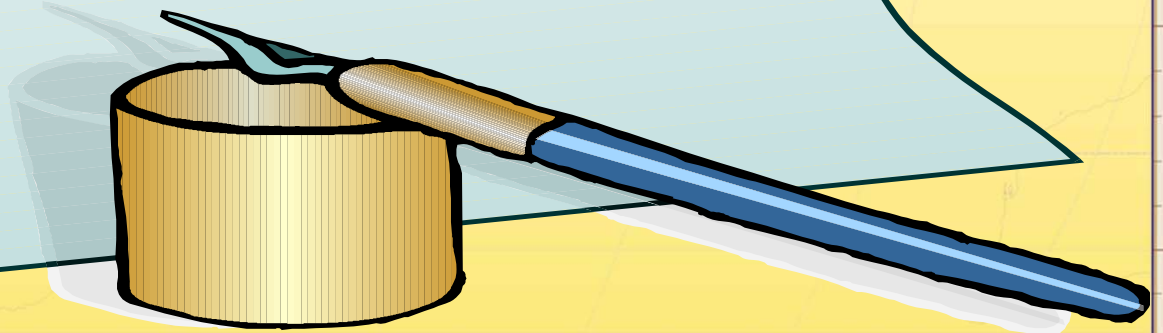
- ❖ About Sultanate of Oman
- ❖ Vision
- ❖ Strategic Objectives
- ❖ Spatial Data Production
- ❖ GDB Components
- ❖ Tools & Technologies
- ❖ Architecture
- ❖ Map Navigation & Data Collection
- ❖ Dissemination

About Sultanate of Oman



Vision

THE NCSI HAS TAKEN HIS
MAJESTY SULTAN QABOOS
VISION AND ENTHUSIASM IN
UTILIZING CUTTING EDGE
TECHNOLOGY IN GOVERNMENT
INSTITUTIONS TO HEART.



Strategic Objectives

Data Quality

Consistency

Completeness

Time Capability

Field Control

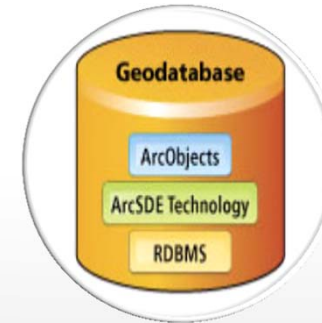
Spatial Data Production



**Recent Satellite
Images (50cm)
covering all
populated locality**



**Detailed Digital
Maps on a scale of
1:5000**



GDB



GDB Components

Survey Divisions:

- Governorates
 - Wilayat
 - District Areas
 - Municipality Blocks

- Enumeration Area
 - Survey Blocks
 - Building
 - Units



Tools & Technologies

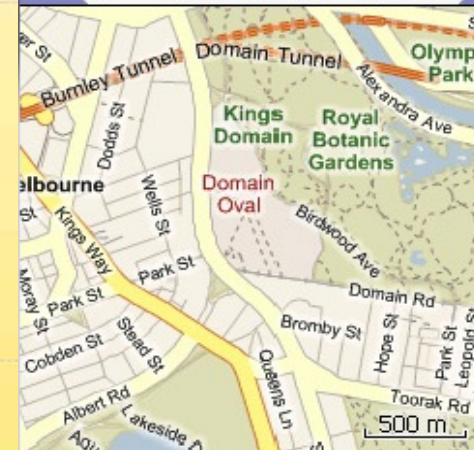
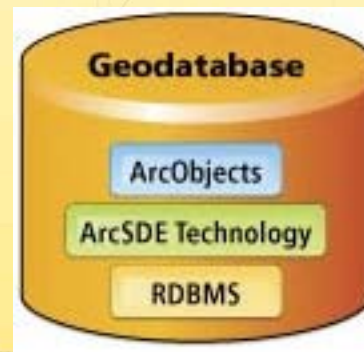
➤ Mobile Handheld Devices

➤ ESRI Framework

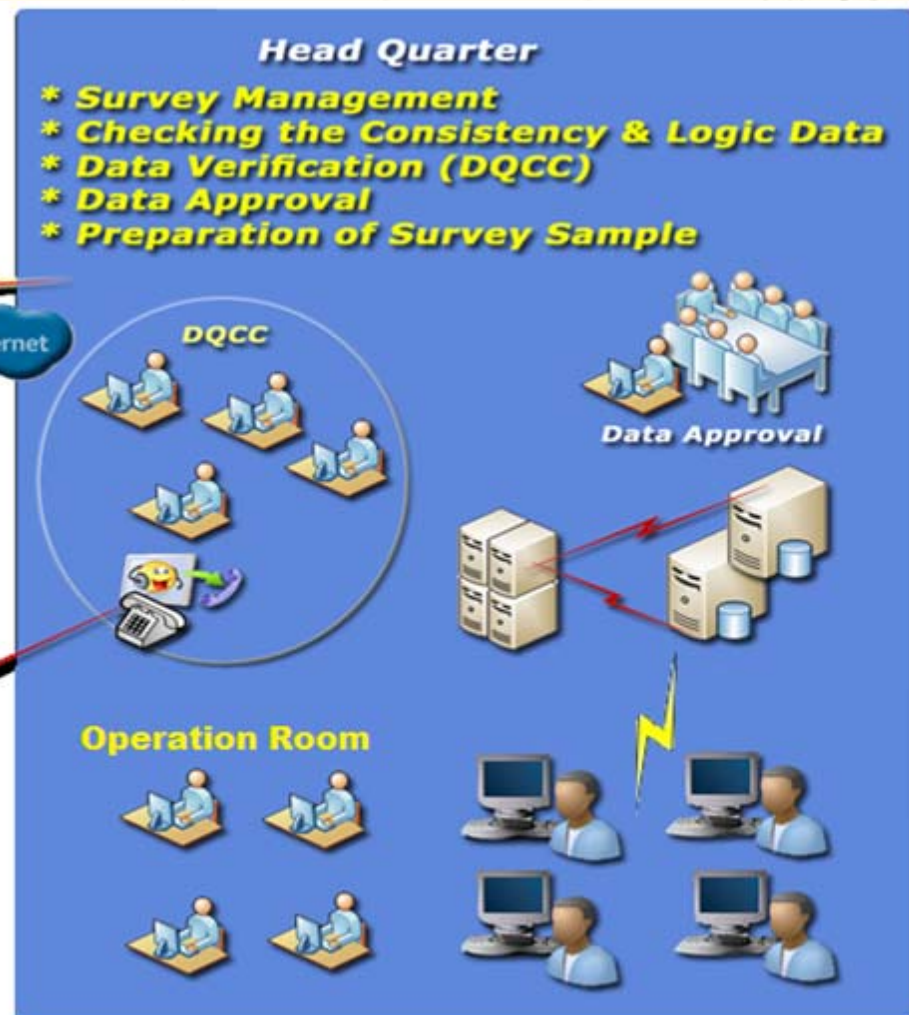
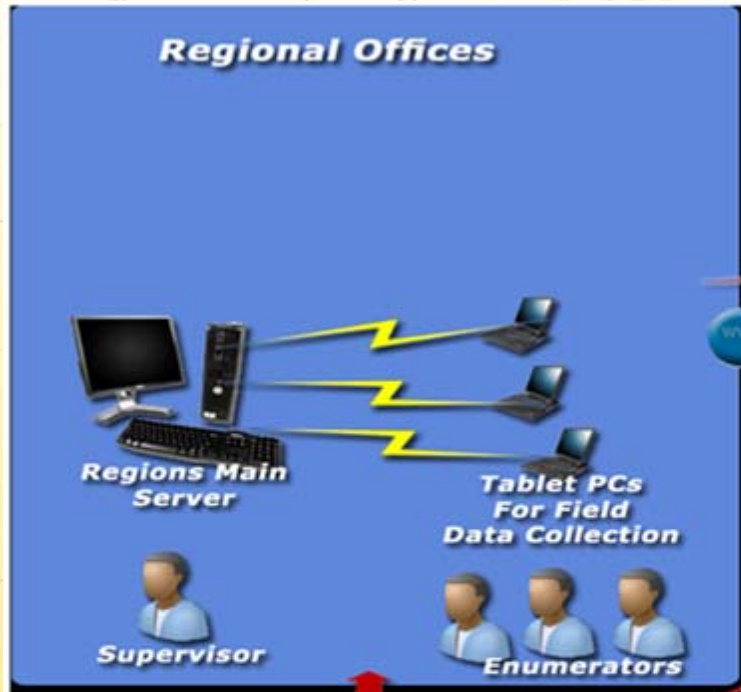
➤ ArcGIS Server

➤ ArcPad

➤ Oracle Database



Architecture



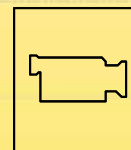
Map Navigation & Data Collection

👉 Easier field navigation

👉 Differentiate buildings according to status

👉 Pinpointing enumerators' exact point location on the map

👉 Electronically fence enumerators in their designated work area.



Dissemination



It is Mobile App



Socio-economic Indicators



Interactive Map

