

# The Somalia Water & Land Information Management Project



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Somalia Water & Land Information Management



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# Introduction



- SWALIM is an EC funded project (95% funding), UNICEF provides 5% funding
- Implemented by FAO
- Requested by various Somali administrations, non-governmental organisations, development agencies and UN organisations
- On behalf of Somali communities whose lives largely depends on water and land resources.

## Introduction cont.



- One and a half decades of civil strife in Somalia lead to loss and damage of most of the water and land related information collected in the previous half century
- No successful water or agricultural development can be achieved without realistic data on the available resources
- For planning purposes, raw data has to be turned to information required by decision makers, donors and investors
- SWALIM is trying to recover lost information from all over the world and at the same time re-establish data collection networks in collaboration with partner agencies

# Objectives



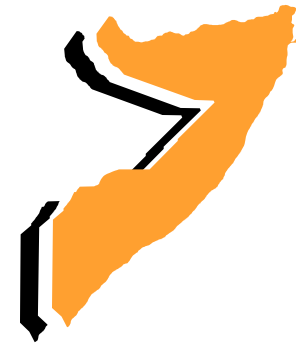
- Its objective is to contribute to the improvement of water and food security in Somalia by:
  - (1) Collecting data needed for water and land resources management
  - (2) Generating user friendly information from the data
  - (3) Storing the information in easily accessible databases and disseminating through conventional and electronic media
  - (4) Building capacity in the three regions of Somalia so that they will be able to take over our functions in the future

## Some Activities



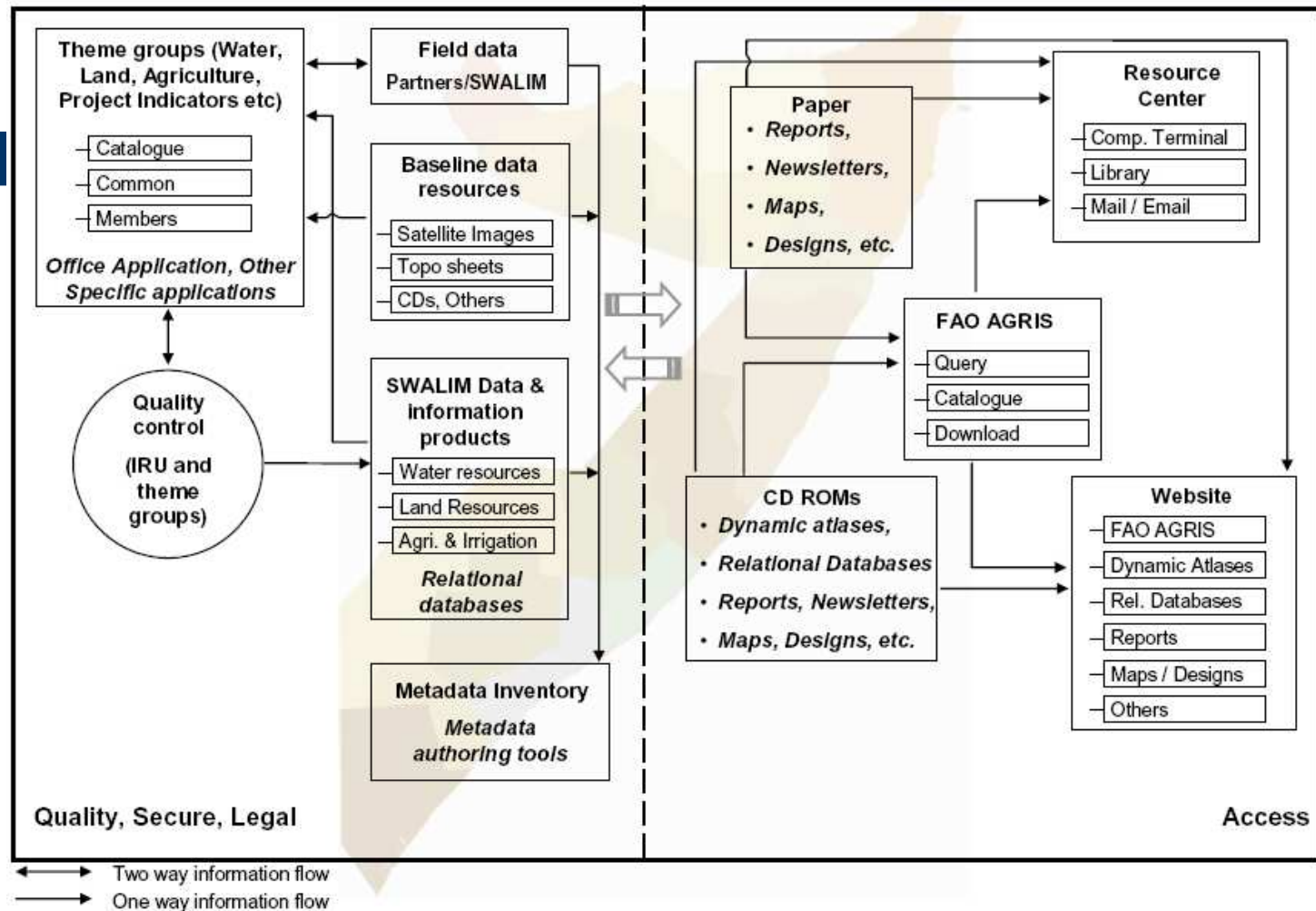
- Specific activities include mapping of water sources
- Rehabilitation of the national rainfall and river flow data collection and processing network
- Initiation of a flood warning system
- Evaluation of the potential for harvesting rain water
- Surveying of main irrigation systems
- Mapping land resources
- Assessment of land suitability
- Evaluation of erosion and land degradation

# Data Distribution



- Data and information is freely available to anyone working in related fields in Somalia through different outlets including:
  - website ([www.faoswalim.org](http://www.faoswalim.org))
  - email request
  - SWALIM information resource center
  - Dedicated liaison offices in Somalia
- Dissemination media includes:
  - web downloads
  - searchable catalogue
  - information CDs
  - reference library
  - stand alone databases and applications
- SWALIM can be contacted by email at [enquiries@faoswalim.org](mailto:enquiries@faoswalim.org)

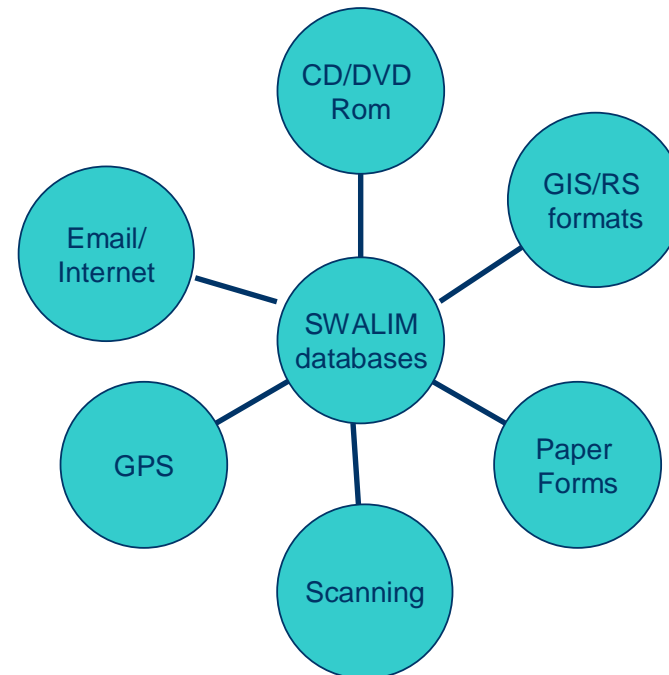
# SWALIM Data and Information Warehouse Structure



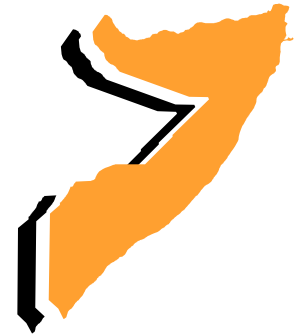
# Problems faced by SWALIM



- Incoming data is in different formats, media and periodicity
- Daily, weekly, monthly and periodic updates
- Various NGO's, UN and International agencies providing inputs



# Problems faced by SWALIM



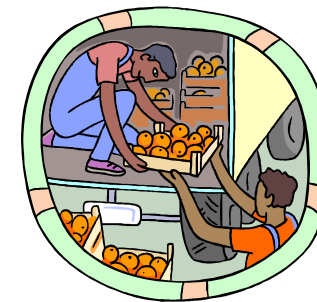
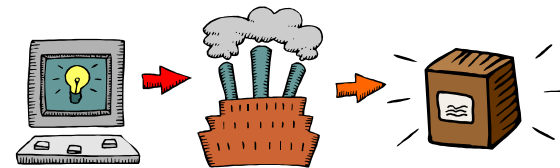
- Data needs to be entered and quality checked
  - Data from various formats needs to be converted, quality checked and main databases updated
- Data processing, analysis, quick turnaround
  - Emergency situation
  - Flood early warning and forecasting



# Problems faced by SWALIM



- Information needs to be accessed by partners
  - Information products need to be transferred to the field as quickly as possible
  - How to get updates to partners in the field
  - How to make sure the information is secure and only gets to the people who need it
  - Information products need to focus on non-technical users



# Problems faced by SWALIM



- Security and backup
  - How to ensure data and information produced by SWALIM cannot be altered or corrupted
  - Encourage data sharing while protecting partner confidentiality
  - Enforce prevailing legal requirements and constraints, if any



## Problems faced by SWALIM



- Transfer of Information Resources to Somalia
  - Two Information Resource Units (IRU's) planned for Hargeisa (Somaliland) and Garowe (Puntland)
  - One flood Information Operations Centre in Somalia planned
  - How to ensure effective, efficient and timely communications and information updates with field IRU's

# The Somalia Water & Land Information Management Project



## Contact Details

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