



## INTRODUCTION

### Module I: Introduction to ICT for M&E

- Overview of aspects of M&E and associated types of technology
- Big Data and how it related to M&E
- Overview of big data analytics
- Data Responsibility
- Open Data
- Open Source data portal software
- Case study of Open Data Portals in Africa (Open Kenya, openAFRICA)
- Case study of World Bank Open Data Portal (The World Bank: Data)

### Module II: Data Collection for M&E

- Mobile data collection
- Social media analytics
- Web surveys
- SMS data collection
- Remote Sensors
- " Mixed Methods Approach " : collection methods for qualitative and quantitative data
- Data Storage: Excel and relational database
- Mobile data collection with Open Data Kit (ODK)

- Aggregating data from social media

### **Module III: Evaluation – Data Analysis and Visualization**

- Data Visualization
- Mapping
- Dashboards
- Using Web visualization tools
- Using Google Maps and Fusion Table for mapping M&E indicators

### **Module IV: Integrating Technology-Enabled M&E**

- Human Centered Design
- Real-time M&E
- M&E databases
- Impact Evaluation
- Satellite Imaging