



# Regional Workshop on Ecosystem Monitoring

Status of National Data Centres and Successes and  
Challenges in Data Collection

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# Current Status and Successes in Data Collection

## Current Status

- ✓ Several institutions collect and handle ecosystem monitoring data
  - ✓ KWS, KFS, KeFS, KMFRI-biodiversity and habitat conservation
  - ✓ WRA-hydrological data for wetlands, rivers and underground resources
  - ✓ NEMA-Environmental policy and reporting –SoE, SOC
  - ✓ KMD-metrological and climate data
- ✓ Data sharing platforms and collaboration
  - ✓ Kenya open data initiative
  - ✓ International organizations-UNEP, FAO, WIOMSA, NC
- ✓ Enhanced technological capacity
  - ✓ Digitization of data for easy retrieval
  - ✓ Use of GIS and RS in ecosystem monitoring

# Current Status and Successes in Data Collection

## Successes

- ✓ Policy and decision support informed by data
  - ✓ Octopus closures
  - ✓ Joint Co-managed areas
  - ✓ Zonation for conservation and protection
  - ✓ Restoration of degraded ecosystems
- ✓ Capacity building
  - ✓ Local expertise in ecosystem monitoring and reporting-BMUs
  - ✓ Participatory management of ecosystems- LMMAs
- ✓ Use of technology in data collection and monitoring
  - ✓ Satellite imagery
  - ✓ Automated sensors

# Challenges in Data Collection

- ✓ Data accessibility and sharing:
  - ✓ limited open data policies,
  - ✓ Lack of data sharing protocol
- ✓ Inconsistent data collection
  - ✓ Time collected
  - ✓ Data type collected and reported
  - ✓ Collecting institution/methods
- ✓ Limited time and resources
  - ✓ Dependence on donor funding for ecosystem monitoring is unsustainable
- ✓ Human capacity
  - ✓ Shortage of skilled personnel to focus on one attribute
  - ✓ Staff turnover/redeployment

**Thank you..**