ONSDI Services – Enabling GeoSmart Oman

Oman National Spatial Data Infrastructure
Enabling GeoSmart Oman

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www.ncsi.gov.om

البنية الوطنية للمعلومات الجغرافية
National spatial data infrastructure

2017

Importance of Location Intelligence

Discovery, Access, Multiple Systems, Analysis, Sharing & Collaboration

✓ **Everything happens somewhere on Earth**

✓ **Location is central to most of the Smart applications for Government**

✓ **GeoSpatial Information is critical for National Economic Development**

Public Safety

Public Works

Housing

Public Utilities

Planning

Transportation

Economic Development

Emergency Management

Engineering

?

What is Oman NSDI

| Technology Infrastructure | Legal | Data Clearinghouse | GIS Applications | Mobile Applications | National Basemap | Data Search and Data Services | Information Security | Geospatial Capacity Building |

Oman National Spatial Data Infrastructure (ONSDI) is a governmental initiative has been conceived to provide infrastructure to coordinate, facilitate, and support sharing and utilization of Geospatial Information across multiple organizations in the Sultanate of Oman.
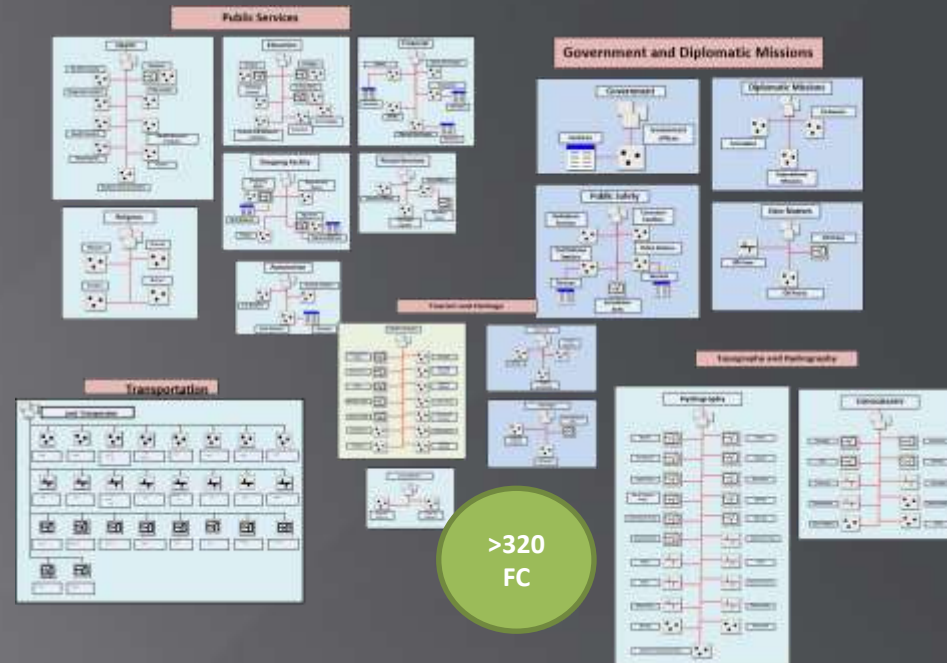
60+ Current Stakeholders

"NSDI is based on collaboration and sharing concept, the active involvement from all stakeholders is the key success"

National GeoSpatial Database (NGDB)


>320 FC

Objective

- ✓ NSDI is currently developing National GeoSpatial Database (NGDB)
- ✓ The NGDB will host GeoSpatial Data shared by the Data Owners
- ✓ The GeoSpatial Data in NGDB will be classified and selected data will be shared with Public

- ✓ The Logical Data Model is approved by ONSDI Technical Executive Committee
- ✓ GeoSpatial Data Ownership is defined and approved by ONSDI Technical Executive Committee

- ✓ Data collection and population work currently in progress
- ✓ NGDB is expected to be live soon

ONSDI Metadata Standards and Metadata Editor Tool for ArcGIS

- **ONSDI Launched Metadata Standards and Metadata Editor in Jan'2017**
- **ONSDI Metadata Standard is based on International Standards OGC, ISO and customized to meet the local requirements**
- **Developed Metadata Editor tool for ArcGIS Desktop to support stakeholders**
- **Metadata Tool and standard is available from NCSI website for download**

TC211 ISO
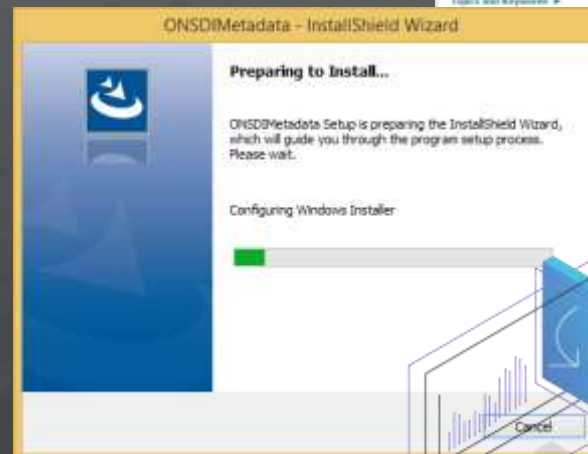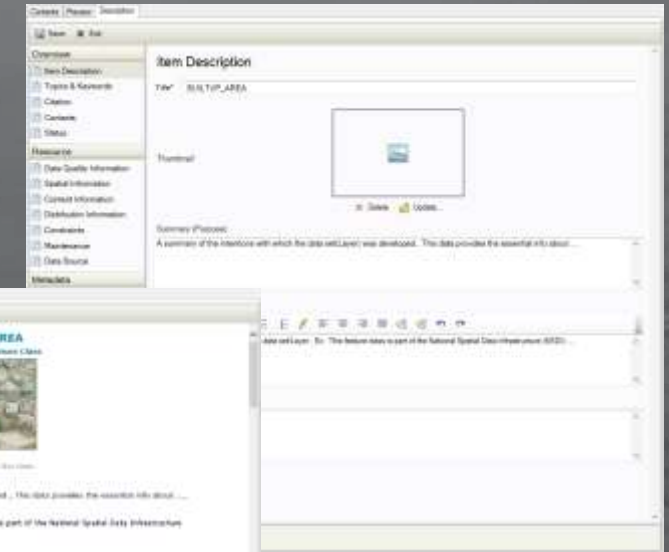
GeoPlatform - GeoSpatial Data Sharing Portal

City Government Portal

Objective

To provide online mechanism to facilitate sharing of geospatial Information

Providing search tools for spatial data layers and services available

Standardization of geographical information to support decisions and implementation of projects

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ONSDI Web Services

- 30+ bilingual (Ar, EN) Published web map services
- Utilize directly in your applications
- Bring it to your desktop for analysis
- Available for all Government entities, Private entities, Academia and Public
- National Basemap services
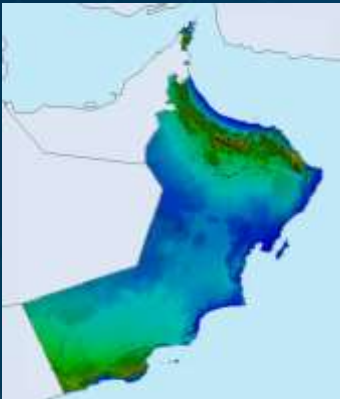- OGC Compliant Authentic Information coming from the Data Owners
- Free of Cost
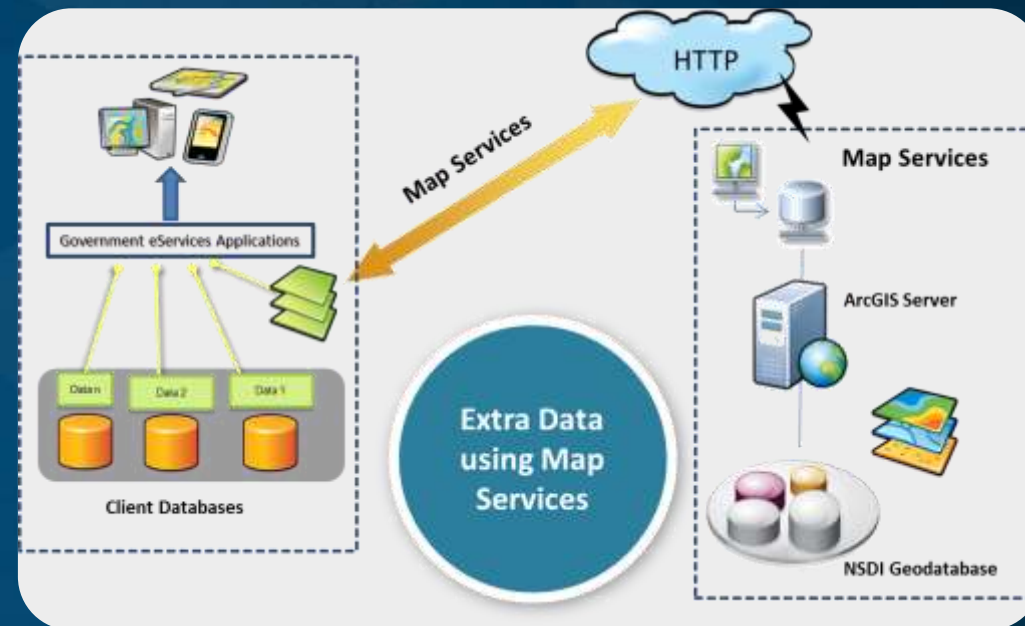
Design Once, Use Multiple, Run Everywhere . . .

Reference Layers

Services

Imagery

Easy Access to Data

ONSDI Web Services Categories
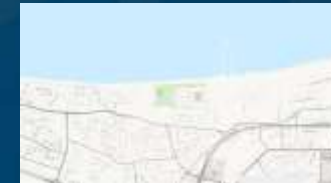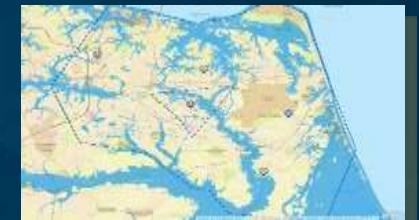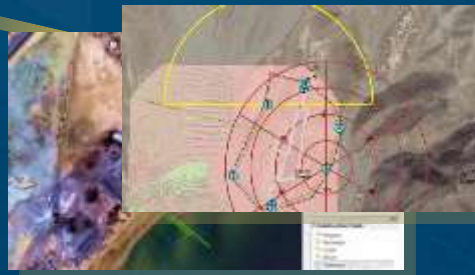
Our Initiatives – Public Apps

Government Services Locator

navigation

Find Gov Services

Find Info

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موقع إدارة حكومية

Government Services Locator:
http://nsdig2gapps.ncsi.gov.om/egovlocator

Our Initiatives – Public Apps

Citizens

Oman Explorer

Open Data Community

Oman Explorer:
http://nsdig2gapps.ncsi.gov.om/Viewers/MapViewer/index_ar.html

ONSDI GeoSpatial Mobile Framework

- Common framework is developed to help ONSDI stakeholders creating GIS Mobile apps easily

- The framework was developed to be
  - Extendible
  - Configurable
  - Customizable
  - Multi platform

Our Initiatives – Public Apps

Tour Oman-جولة في عمان

BANKI- بنكي

WAQUDI- وقودي

شكراً
THANK YOU

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