National Center of Mapping and Remote Sensing C.N.C.T



Big spatiotemporal data for a smart and resilient city (Focus on Geospatial data management)

Mohamed Amine Ben Rhaiem- Geospatial application developement and scientific Methodologies

4<sup>th</sup> of May 2023, Rotterdam, the Netherlands

Plan CNCT INTRODUCTION INIG – NSDI (IGIF) SMART CITIES PROJECT OVERVIEW





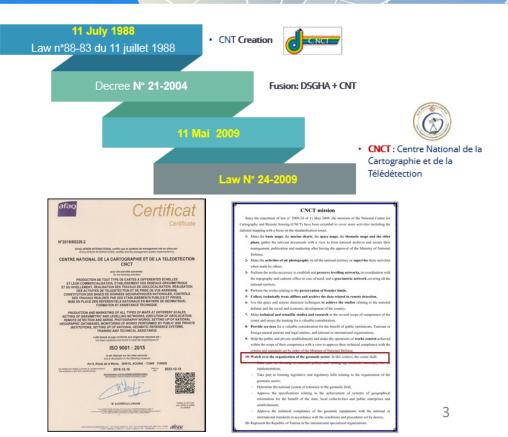




WELCOME TO THE NATIONAL MAPPING AND REMOTE SENSING CENTRE TUNISIA

# EPNA under MOD supervision

- Corporate Council chaired by Mr. MDN
- Scientific Advisory Board





COPUOS



Development of a holistic geoportal accessible to the diffrent arabic states which allows to integrate and visualize their geographic informations basically the topographic ones like the road network and the points of interest. 4









Approve the specifications related to the achievement of systems of geographical information for the benefit of the state, local collectivities and public enterprises and establishments,

Approve the technical compliance of the geomatics equipment with the national or international standards in accordance with the conditions and procedures set by decree.



Take part in forming a national policy and setting up methods necessary for its implementation

Take part in forming legislative and regulatory bills related to the organization of the geomatics sector,

Determine the national system of reference in the geomatics field,



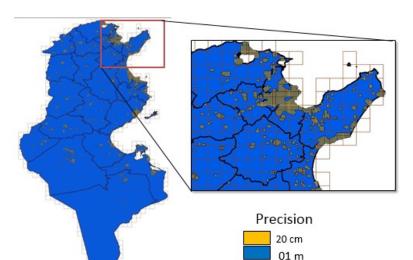
# How the National Geographic Information Infrastructure (INIG) was inspired by the 'IGIF'?



E Star

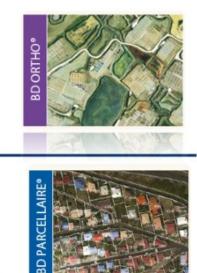
2009	National survey (needs, expectations,)
2010	Private and public sectors Identification and Analysis ;
2012	National Workshop – Geomatics situation in Tunisia :State of the art and perspectives (to design and develop country-level Action plan with the help of stakeholders and end users)
2015	National Workshop → Geomatics national policy (vision; missions and goals) Ad' hoc Commissions – Technical – legal - Economic
2017- 2028	National Tunisian SDI (INIG) implementation

#### Project databases









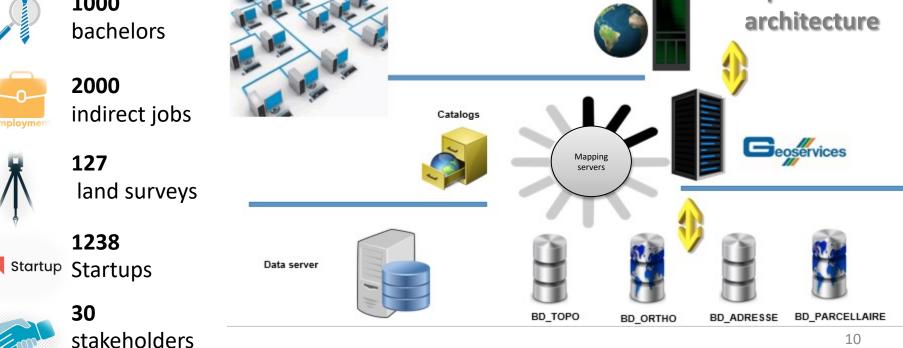
#### Business Model



1000

Employmen





GWF

Project

components and

Geoportal

2023

# **SMART CITIES**

- The government announced in 2019 the launch of the national program Tunisia Smart City.
- Tunisia's membership in the Smart Africa alliance.
- The national program for sustainable cities which is in its second phase.
- The cities of Tunis, Bizerte, and Sfax are in the process of creating a Smart City unit within the city hall."







🐼GWF



# **PROJECT OVERVIEW**

