



# THE STRATEGY TO BENEFIT FROM ACCESS TO SPACE IN TUNISIA

The Republic of Tunisia subscribes to the principles of exploration and the use of outer space for peaceful purposes, in the interest of humanity; and in particular for achieving the Sustainable Development Goals, SDG2030 of UN.

The government is actively engaged in defining and developing a coherent strategy in collaboration with the United Nations and friendly countries.

To contribute to this, the Tunisian Commission for Outer Space (CNEEA) is working to coordinate the activities of the different departments and agencies concerned with outer space and to raise awareness of the benefits by exploiting the possibilities offered by space technologies and its applications.

Recently, an ambitious program of space accessibility was launched in March 2018 by the Ministry of Higher Education and Scientific Research with strategic departments such as the Ministries of Defense, Agriculture, Environment and the Digital Economy.

The program began with a strategic event entitled "Towards a Tunisian Space Strategy". Among the guests that participated: a high and prestigious representative of UNOOSA, ESA, CNES, ISA, ISRO and a delegation from CAST.

The conference served to convince political decision-makers and to bring together several actors and beneficiaries of space products in order to propose a new strategy, in the short and medium terms, taking into account the means and the applicable policy.



Space education is very important. Space Accessibility is developed by teaching of space technologies and applications in some universities and support to the activities of youth associations, the National School of Agricultural Engineers has launched a new master's degree in 2019, on space applications to agriculture, called "Erasmus + GEOMAG ». In addition, recently, we are conducting a collaborative project to develop our capabilities in space technology training, with a project to build our first CubeSat satellite in 2021.

To boost Space Economy activities, we implement some applications of space, we are currently working on the launch of a new national collaborative development program under the responsibility of the Ministry of Higher Education and Scientific Research. The SAMA Tunisia program currently consists of 7 technical groups, which define strategic actions that can improve the results of this phase of the strategy: legal and regulatory aspects, space technologies, space communications, Earth observation, astronomy and space weather, GNSS and GIS, space culture and the media.

Applications in agriculture, monitoring and control of energy and water resources, better management of land and cities, optimization of logistics and transport fleets, as well as the digital and industrial transition, are the main goals.

The ambition of Tunisia today is to be part of the new international collaborative movement, particularly with its Mediterranean and African neighbors, to better exploit the products of space in order to benefit from it in the framework of its national sustainable development policy.

As a country associated to the European H2020 program, we are trying to integrate the European approach in the implementation of our Innovation and Research policy also in the space field.

We therefore encourage programs that allow us to use all the information generated by the community from space to support sustainable development, the blue economy and climate change prevention.

In addition, we support collaborative projects to be jointly developed on security in the sub-Saharan region, protection against illegal immigration, small boat control and rescue at sea after multiple accidents endangering many people.

### Global Objective:

The space sector is a driving force for sustainable development.

### Specific Objective 1 The space sector is organized.

**Result 1.1: A "Plan of Action" for the implementation of the national strategy in the space sector is developed.**

**Action 1.1.1:** Collect information and learn from similar international experiences and initiatives from other countries that already have a space strategy.

**Action 1.1.2:** Mapping stakeholders in the space sector in Tunisia.

**Action 1.1.3:** Involve stakeholders in the national space strategy for each to take into account in its own strategy

**Result 1.2: Creation of a horizontal structure in charge of the organization of the space sector at the national level.**

**ACTION 1.2.1:** Review and implement the legislative and regulatory framework for the space sector in accordance with international standards.

**ACTION 1.2.2:** Define the assignments, missions and flowchart of the structure to be created.

### Specific Objective 2 Planning and management of resources systematically and operationally integrate Earth observation products

**Result 2.1 The knowledge and know-how in the space field are developed**

**Action 2.1.1:** Development of space training programs

**Action 2.1.2:** Elaboration of a space research strategy

**Action 2.1.3:** Promoting space culture (raising awareness, mobilizing and supporting stakeholders and the various categories of the population in the space field)

**Action 2.1.4. :** Strengthening and developing cooperation agreements with international actors for research and development in the space sector

**Results 2.2: Space infrastructure and technologies are operational**

**ACTION 2.2.1:** Analysis of the existing and identification of space infrastructure needs

**Action 2.2.2:** Analysis and monitoring of opportunities in the space sector (regional and international)

**ACTION 2.2.3:** Defining the appropriate infrastructures for identified needs and opportunities