



the 56th Virtual UNISEC-Global Meeting



IoT mission in Tunisia

Water Quality Awareness Satellite System (WAQASS)

PRESENTED BY : BADIS ENNEJAH



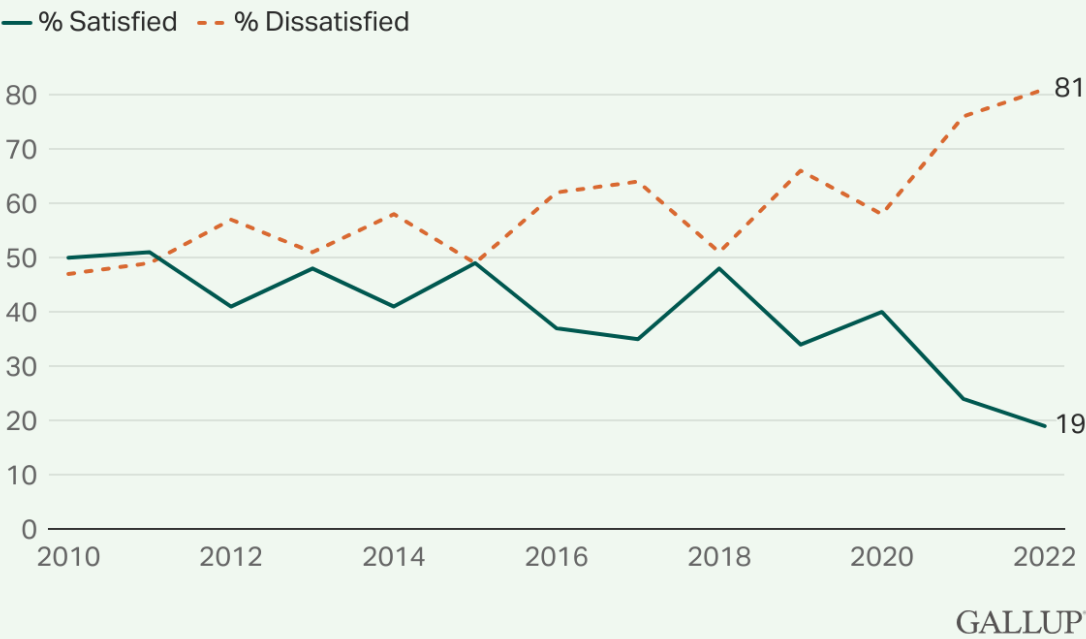


Access to safe water is a fundamental human need and, therefore, a basic human right.

Kofi Annan

Record-Low 19% of Tunisians Satisfied With Water Quality

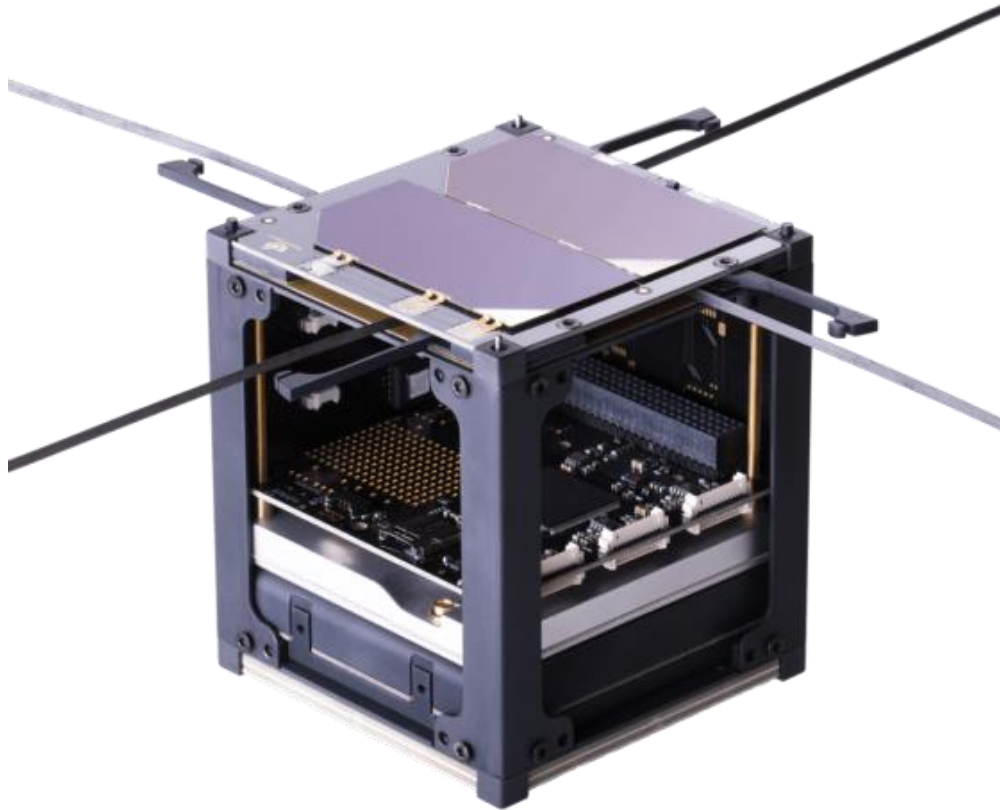
In the city or area where you live, are you satisfied or dissatisfied with the quality of water?



Countries Where Majorities Are Dissatisfied With Water Quality, 2022

Geography	Satisfied %	Dissatisfied %
Tunisia	19	81
Sierra Leone	33	67
Congo, Democratic Republic of the	34	65
Afghanistan	41	59
Liberia	42	58
Ethiopia	43	56
Gabon	44	56
Venezuela	47	53
Comoros	47	52
Zimbabwe	49	51

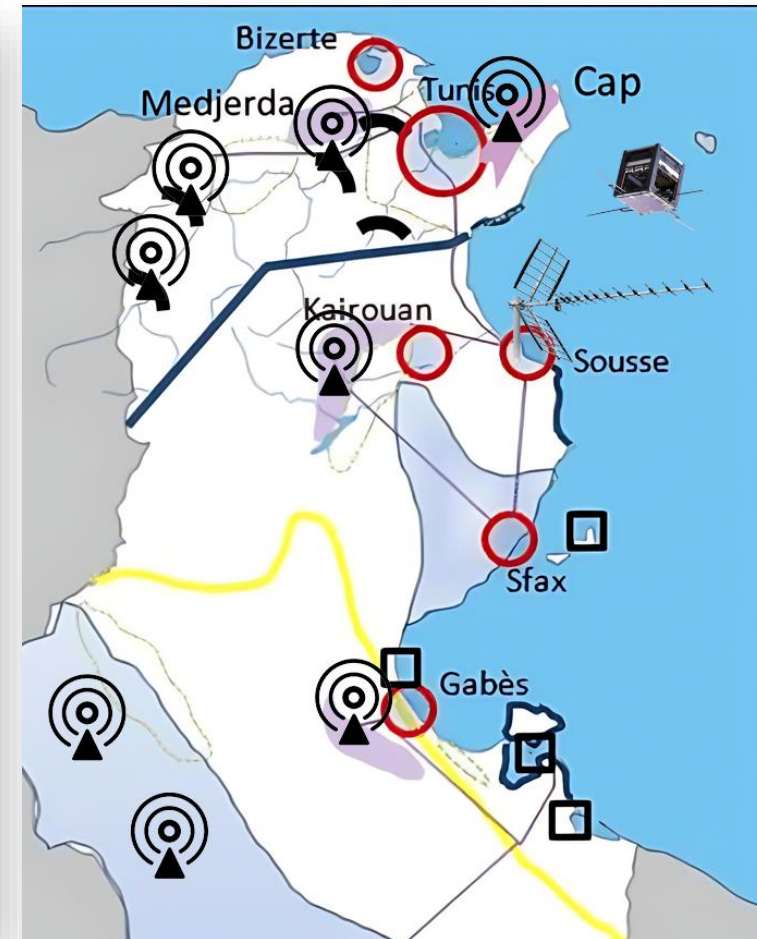
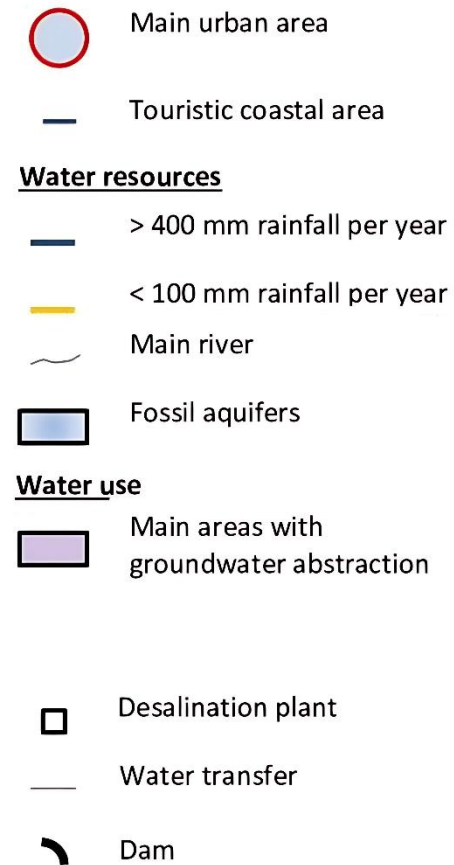
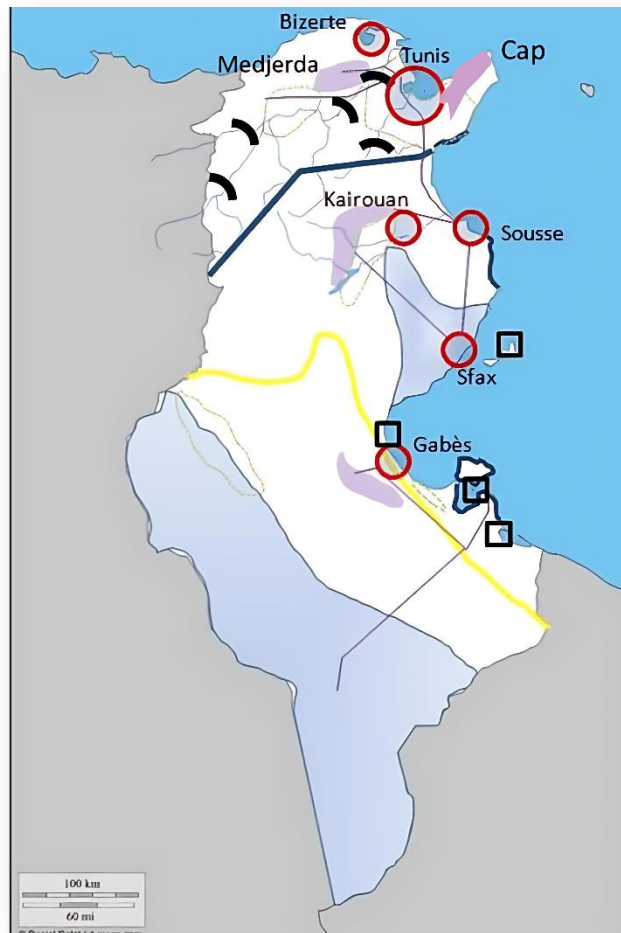
GALLUP

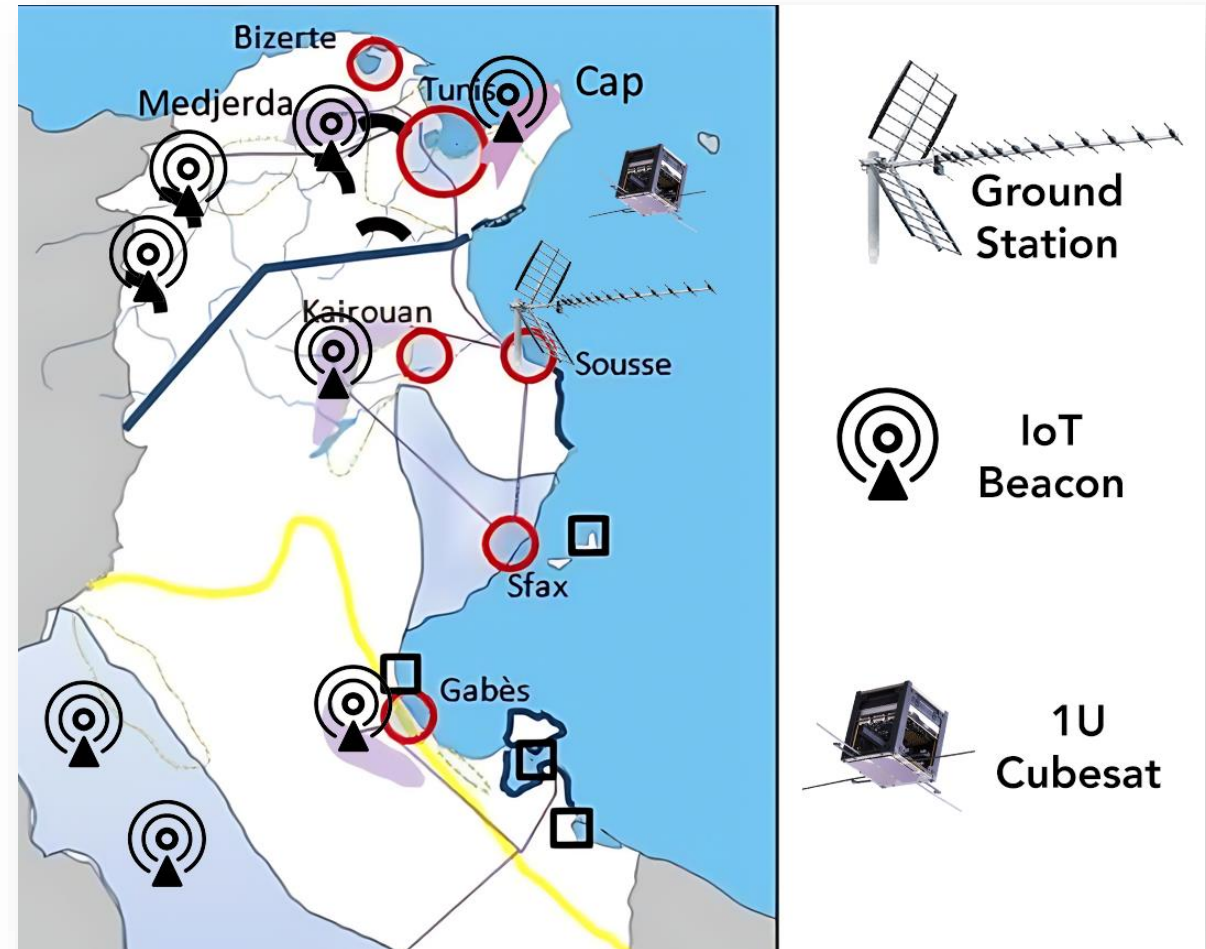
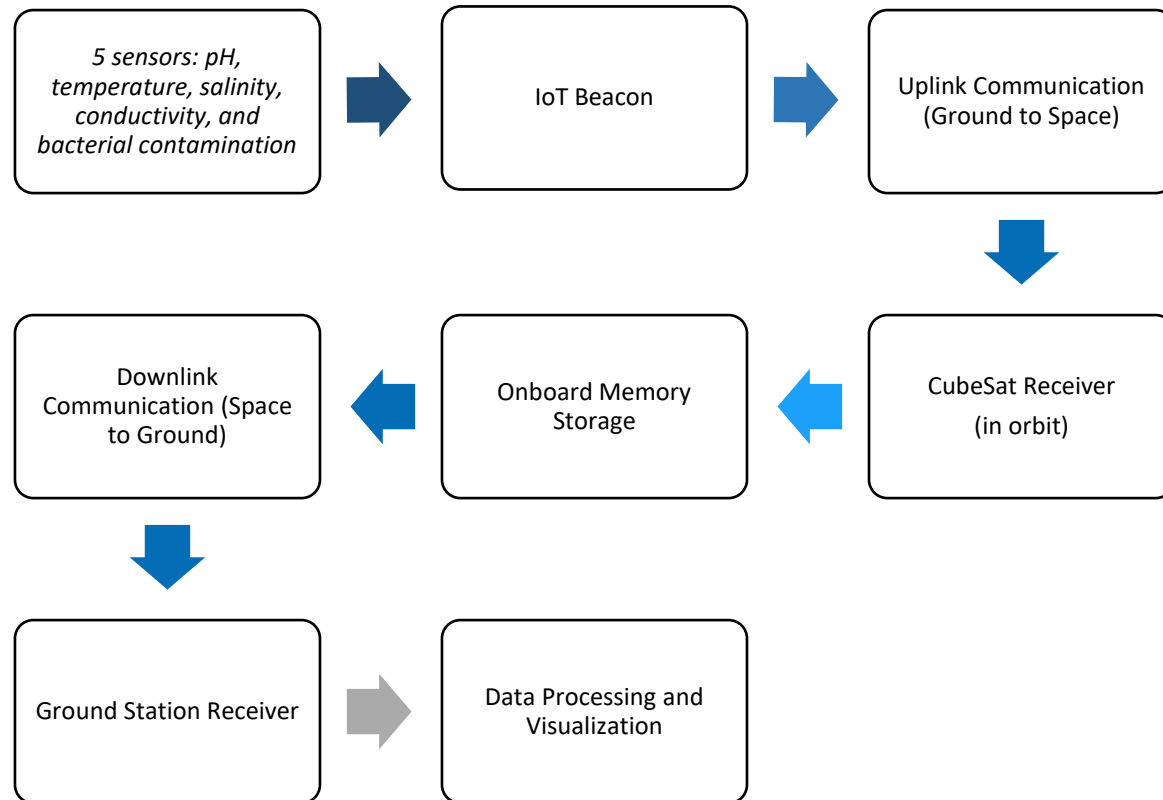


Mission Requirements

Single Payload : Software-Defined Radio (SDR)

- Dynamic Reconfiguration
- In-Orbit Update Capability
- Compact and Power-Efficient





1

Enhance Space Technology Capacity

- Build local expertise in CubeSat fabrication and environmental monitoring through hands-on learning, fostering innovation and strengthening the space workforce in Tunisia.

2

Water Resource Management

- Support water conservation by providing data that helps prevent pollution and improve water management, especially in remote and hard-to-reach areas.

3

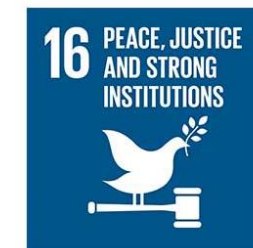
Strengthen Regional Collaboration

- Establish partnerships with neighboring countries to collaborate on CubeSat missions and share data for mutual benefits.

Directly influenced



Indirectly influenced



Call for Collaboration: Deploy IoT Beacons

- ❑ We are actively seeking partners interested in deploying IoT beacons in their country.



Contact us:

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