

# AIR INSTITUTE

AIR Institute is a private non-profit research organisation, working on the promotion and development of scientific research in the field of computer science and artificial intelligence.

[www.air-institute.org](http://www.air-institute.org)



## BALANCING TOURIST CAPACITY VIA BLOCKCHAIN

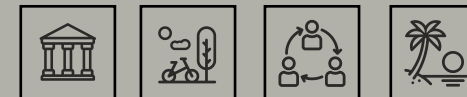
AIR Institute, winner of the Tourism Sector Challenge set by Alastria/TDDS during the T2020 Transfiere Forum in collaboration with the Consell of Formentera, has come up with a solution for managing tourist capacity. The aim of AIR Institute's proposal is to balance tourist flows and to promote the sustainable use of natural resources. The solution is based on a **decentralised system that encourages residents and tourists to visit the least-visited areas** by using blockchain and smart contracts.

The system works by employing oracles (a service by which a blockchain or smart contract feeds on external data outside the blockchain on which it runs) to obtain information from the Consell de Formentera's Tourism Intelligence System (TIS), where the pilot project is being carried out, and rolled out over the Alastria Network. The system is able to detect users who have changed the flow, indicating both the area and the specific incentive (establishment, event, museum, bus journey, etc.).

Scope of smart destination application

**Technology  
Sustainability**

Solutions for destinations in the following areas



Type of solution

