ABOUT
Agilia Center is a Spain-based company focused on developing custom software development since 2015.

TRANGO is a service developed by the Agilia Center R&D team under the umbrella of the ARTICONF project.

Trango provides a platform that combines carsharing with the ridesharing model within a social network to facilitate the interactions among users and their communication with service administrators. This service provides transparency between car owners, drivers, and passengers who want to hire the vehicle, adding enormous benefits to the owners and to the passengers and drivers. A demand prediction functionality for each city suggests locations to car owners or fleet administrators to improve their revenues. Additionally, an incentivisation service offers escrow and price discounts based on user behaviour and selects travel partners based on their reputation.

CHALLENGE
The aim of the pilot was to further develop the Trango service and to run a pilot with users in the city of Huelva.

HOW THEY USED EOSC SERVICES
Agilia Center utilised the EGI Cloud compute resources for over a period of one year. Agilia also leveraged the EOSC DIH network to share knowledge with other pilots.

RESULTS
Agilia Center ran a user validation pilot for Trango for 10 days in the city of Huelva in September of 2023 with actual users. During this pilot over 61 users registered on the platform and completed 28 trips with 58 occupants.

During the collaboration with EOSC DIH, Agilia Center continuously improved the Trango service with a variety of features like Automatic and decontrolled assessment of the service through Smart Contracts (Blockchain), Providing assurance of payments and Escrow by using Blockchain, and Demand prediction and Dynamic pricing through Artificial Intelligence.

IMPACT
The collaboration and the provisioning of the cloud resources allowed Agilia Center to test different solutions at the same time, increasing the number of concurrent market tests. TRL notably increased from TRL3 to TRL7.

The collaboration also fostered cross-pollination between the pilots allowing for sharing of knowledge around topics like business models and opportunities for future.