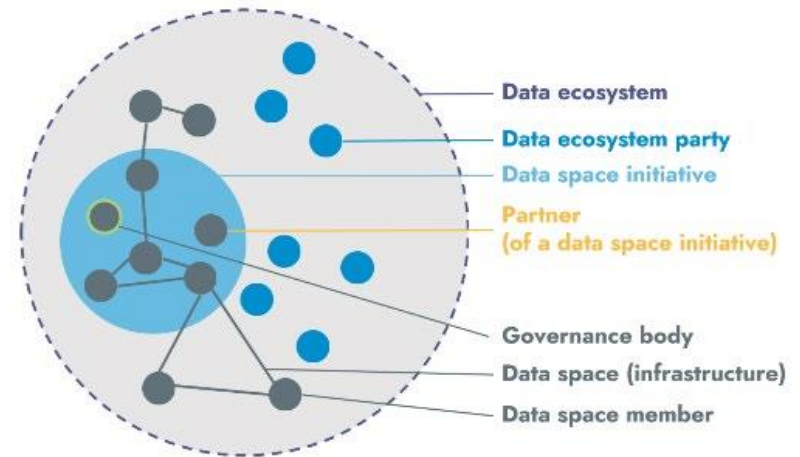# TOURISM DATA SPACE
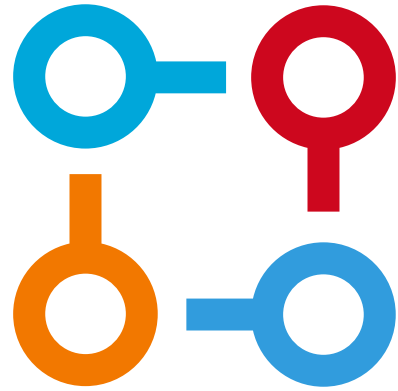
What is a Data Space?

- A data space is a **decentralized system** that enables easier data asset sharing among a network of different organisations, such as SMEs, public authorities, private enterprises, NGOs, and research institutes. Data spaces usually provide both organisational and technological resources for participants.

- A **governing body** creates the standards, policies, and practices that define how the data space operates and how decisions are made. It provides a structure for the management of the data space and outlines the roles, responsibilities, and accountabilities of participants. A key principle of data spaces is that shared data assets remain under the control of the original "data holder".

- In terms of **technology**, data spaces use open-source standards to implement mechanisms of trust, security, and connectivity among participants in order to control external "data user" access to the data.

Data ecosystem
Data ecosystem party
Data space initiative
Partner (of a data space initiative)
Governance body
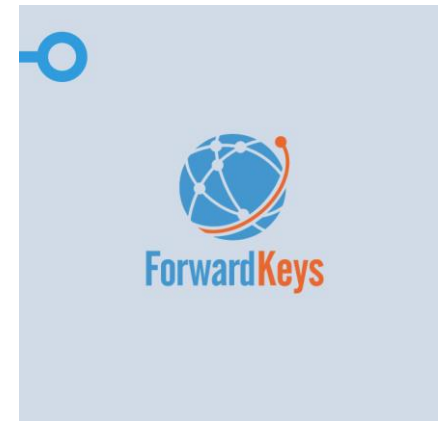Data space (infrastructure)
Data space member
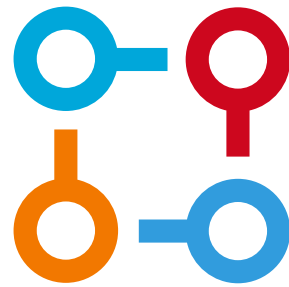
The purpose of this project is to set the foundation for the development of a secure and trusted **Data Space for Tourism (DSFT)** which enables all sector stakeholders to share and access the data they require when they need it. For the DSFT to be a sustainable solution, a **bottom-up approach** which builds a **"culture of data sharing"** among all relevant tourism stakeholder groups (e.g., SMEs, governmental agencies, technology firms, tourism entities at the European, national, regional, and local scales of operation) is required.

Tourism Data Inventory Analysis

- Data theme (Built Capital, Economic Impact, Social Impact, etc.)

- Data frequency

- Data availability lag

- API availability

- Data abstraction (raw data → data-driven insights)

- Data cost and accessibility

- Data scale (LAU → NUTS 0)

- Data geographic coverage

- Language

- Data relevance and value to tourism stakeholders

TOURISM DATA SPACE

Tourism Stakeholder Engagement

This project will take a participatory approach to understanding the stakeholder requirements regarding both governance models and business models related to the creation of the DSFT.

Several methodologies will be used to further engage with European tourism stakeholders:

- Four Lego® Serious Play® Workshops

- Delphi Expert Opinion Survey

TOURISM DATA SPACE

Data Spaces Support Centre

As a core activity, the project will draw upon the technical expertise of the consortium partnership and consult closely with the Data Spaces Support Centre (DSSC) and the Alliance for Industrial Data, Cloud, and Edge (AIDCE) to ensure alignment with the European Data Spaces Technical Framework.

**TOURISM
DATA
SPACE**

DSFT Blueprint Evaluation

Final recommendations will be based upon empirical evidence including conjoint model experiments to evaluate the utility of specific design features.

- Priority datasets to be part of the DSFT

- Technical specifications for the DSFT

- Business models that are mutually beneficial and incentivize data sharing

- Governance models that reduce risk and uncertainty among participants

TOURISM DATA SPACE

Tourism Data Inventory Demo

Free access

https://dsft.modul.ac.at/tourism-data-inventory/

or

https://www.tourmis.info/

Tourism Data Inventory Demo

Search: Data source or holder [   ] Location [   ] Display [Data themes ▾] 🖨 🗙

Tourism Data Space Inventory

	Data source	Data holder	Human capital	Natural capital	Built capital	Economic/Social capital	Economic impact	Social impact	Enviromental impact
1	Aarhus Airport	Aarhus Airport A/S	No	No	Yes	Yes	Yes	No	No
2	ACI	ACI (Canada)	No	No	Yes	No	Yes	No	No
3	Advantage Austria	Advantage (Austria)	No	No	No	No	Yes	No	No
4	Advisory Report: Resident Survey 2022	Hólar University (Iceland)	No	No	No	No	Yes	Yes	Yes
5	AEMET - Agencia Estatal de Meteorología	AEMET - Agencia Estatal de Meteorología (Spain)	No	Yes	No	No	No	No	Yes
6	AENA - Estadísticas de Tráfico Aereo	AENA - Estadísticas de Tráfico Aereo (Spain)	No	No	Yes	No	Yes	No	No
7	Aeroporti di Roma	Aeroporti di Roma	Yes	No	Yes	Yes	Yes	Yes	Yes
8	Aéroports de la Côte d'Azur	Aéroports de la Côte d'Azur	No	No	Yes	No	Yes	No	No
9	Agency for Digital Government	Agency for Digital Government (Denmark)	No	No	Yes	Yes	Yes	Yes	No
10	AirDNA	AirDNA (United States and Spain)	No	No	Yes	Yes	Yes	No	No
11	Airport Bratislava	Airport Bratislava, a. s.	No	No	No	No	Yes	No	No
12	Airports in Netherlands	Airports in Netherlands (Netherlands)	Yes	No	Yes	Yes	Yes	No	No
13	Aktion Airport	Fraport Greece	No	No	No	No	Yes	No	No
14	AMS	AMS (Austria)	Yes	No	No	No	Yes	Yes	No
15	ANA - Aeroportos de Portugal	Multiple	Yes	No	Yes	Yes	Yes	No	Yes
16	Annordia	Multiple (Sweden)	No	No	Yes	Yes	Yes	No	No
17	Annual Reports	Visit Brussels (Belgium)	Yes	No	Yes	Yes	Yes	Yes	No
18	Antwerp Airport	Antwerp Airport (Belgium)	No	No	No	No	Yes	No	No
19	Antwerp Port	Antwerp Port (Belgium)	No	Yes	Yes	No	No	No	No
20	Aperto (Gli Open Data della Città di Torino)	Multiple	Yes	Yes	Yes	Yes	Yes	Yes	Yes

◄ ► 1 2 10 40 41

TOURISM DATA SPACE   2023-09-07 05:43:18

Funded by the European Union

TOURISM DATA SPACE

12-month Project Timeline:

Nov. 2022 through Oct. 2023

Funded by the European Union

ACTIVITY:	M 01	M 02	M 03	M 04	M 05	M 06	M 07	M 08	M 09
T1.1: Technical management	■	■	■	■	■	■	■	■	■
T1.2: Administrative and financial management	■	■	■	■	■	■	■	■	■
T1.3: Quality, data, and knowledge management	■	■	■	■	■	■	■	■	■
T1.4: Communication and Dissemination	■								
T2.1: Tourism Stakeholder Sampling Frame	■								
T2.2: Desk Research TDI		■							
T2.3: Stakeholder TDI Questionnaire and Analysis			■						
T2.4: TDI Tool Creation and Reporting				■					
T3.1: DSFT focus group meetings (4) and analysis							■		
T3.2: Delphi Study and Analysis					■				
T3.3: Report on Requirements for Sustainable DSFT					■				
T4.1: Desk Review of DSFT technical options									

TOURISM DATA SPACE

Shape the future of tourism in Europe!

For the **Data Space for Tourism** to reflect the needs of your organization, we invite you to share your opinions related to the access and sharing of data by taking part in online questionnaires and in-person workshops that will inform the design of the DSFT. Please follow the link below and opt-in to participate in the project.

TOURISM
DATA
SPACE
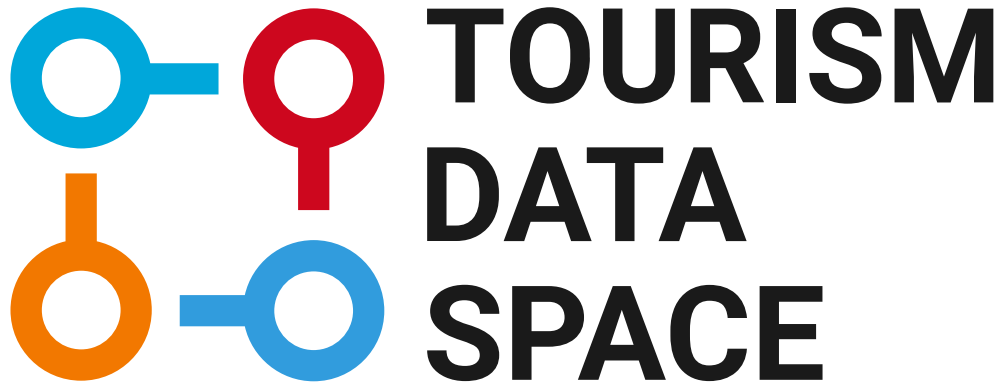
For more information:
dsft@modul.ac.at
https://dsft.modul.ac.at/