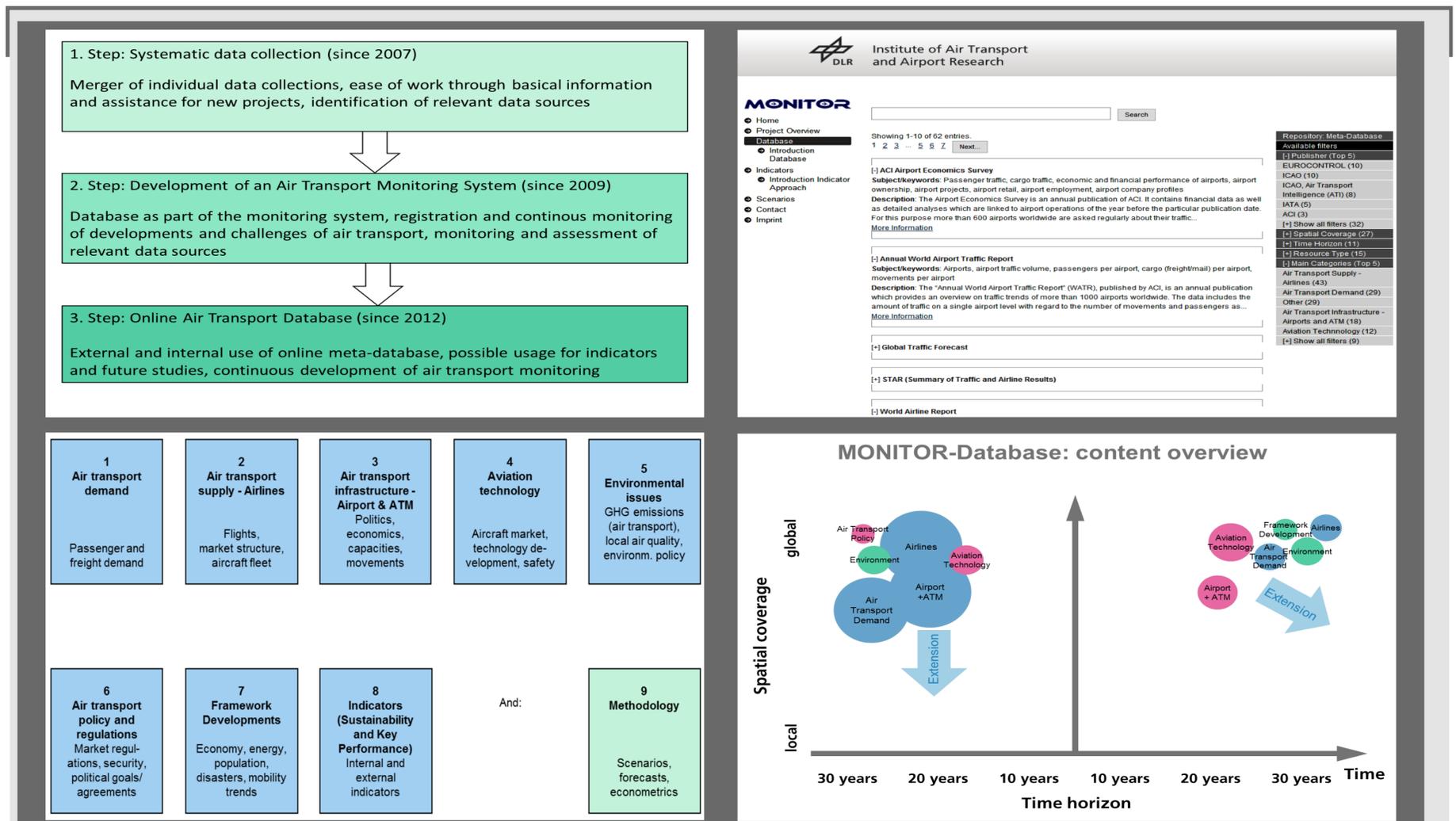


MONITOR: Database for the Air transport System

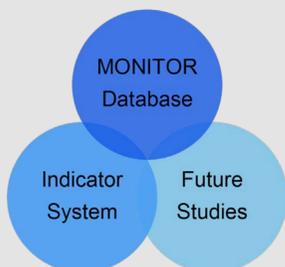


Clockwise rotation: Development of the database, selected search results, content an further development of the database, database structure

MONITOR Database

The challenges of the development of the air transport system consist of the partly diverging interests among its stakeholders like airlines, airports, passengers, industry, environmental organisations, politics and others. Facing these conditions, the challenging task for politics is to balance these interests, to reach compromises and to elaborate measures for a sustainable development in general and with regard of the functionality of the air transport system. Therefore, a well-founded analysis of the air transport system, its dimensions, its drivers and its actors is needed.

In order to meet those tasks, a monitoring system existing of three elements has been developed which allows a comprehensive look at the long term development of the air transport system and builds the basis for strategical analyses, modelling and quantification activities.



The MONITOR **database** as one of the most important pillars of the monitoring system offers information in form of a meta-database at air transport-related sources both in terms of aviation internal statistics and analysis as well as on economic, environmental and social framework developments.

Furthermore, the database offers a basis for a systematic and complementary view on the long term development of air transport in order to submit descriptions, predictions and reviews of this complex system.

The assessment of the data sources covers a wider field of view than usual in this context through the use of detailed and proprietary metadata information. Apart from the actual data description, opportunities and challenges of data usage and applications for the collected data are presented.

The database is based on a software called DataFinder, especially developed by DLR. This allows the structured storage of data sources in all popular file formats and their description by consistent metadata as well as a differentiated search of required information for each user. The database system consolidates acquired expertise on thematical and methodological issues in the evaluation of the air transport system.

The MONITOR-Portals allows a systematic and complementary view on the long-term development of air transport and a continuous trend analysis in order to serve as an European early-warning system changes within the air transport system.

www.airtransport-monitor.eu

