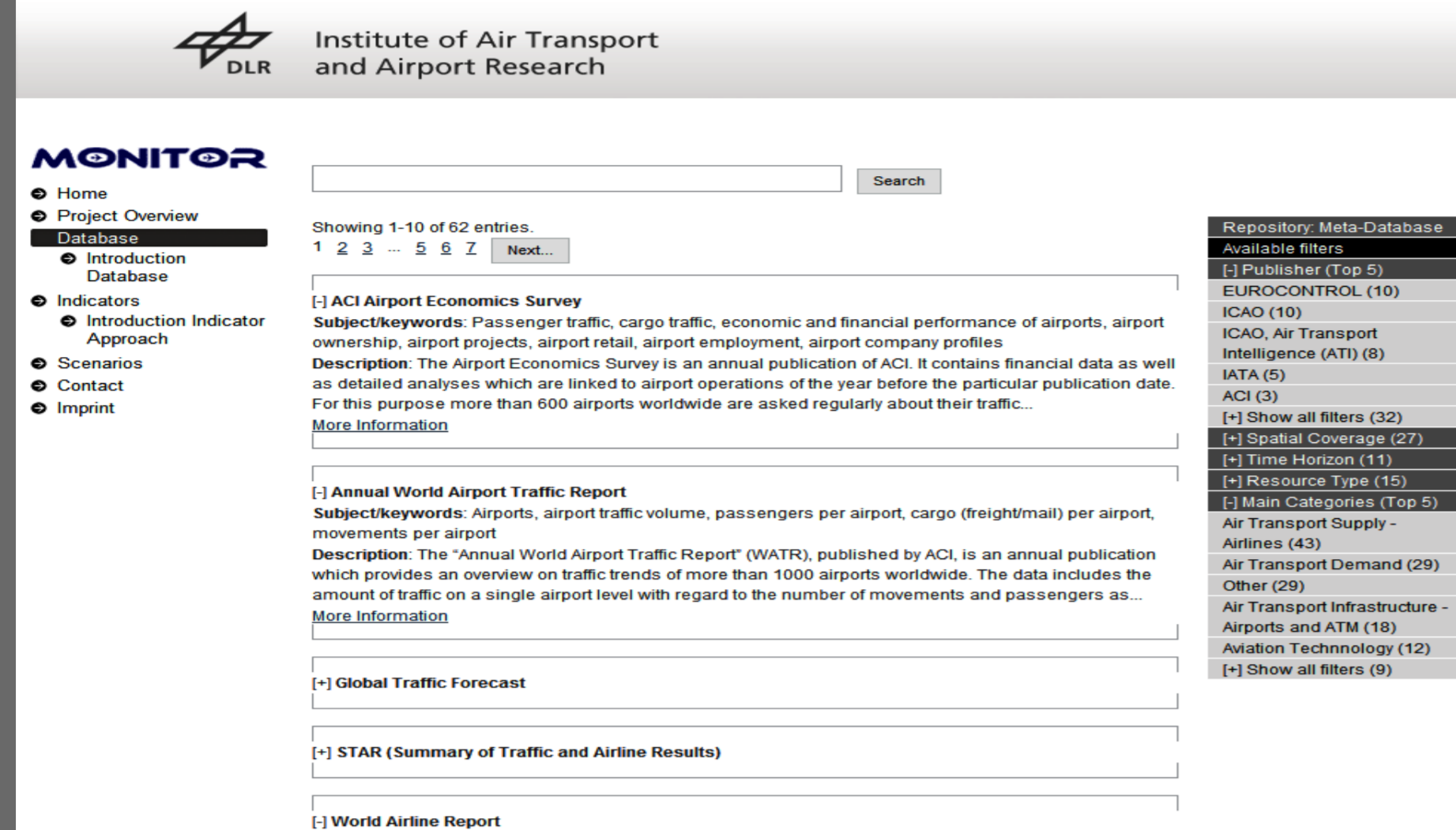
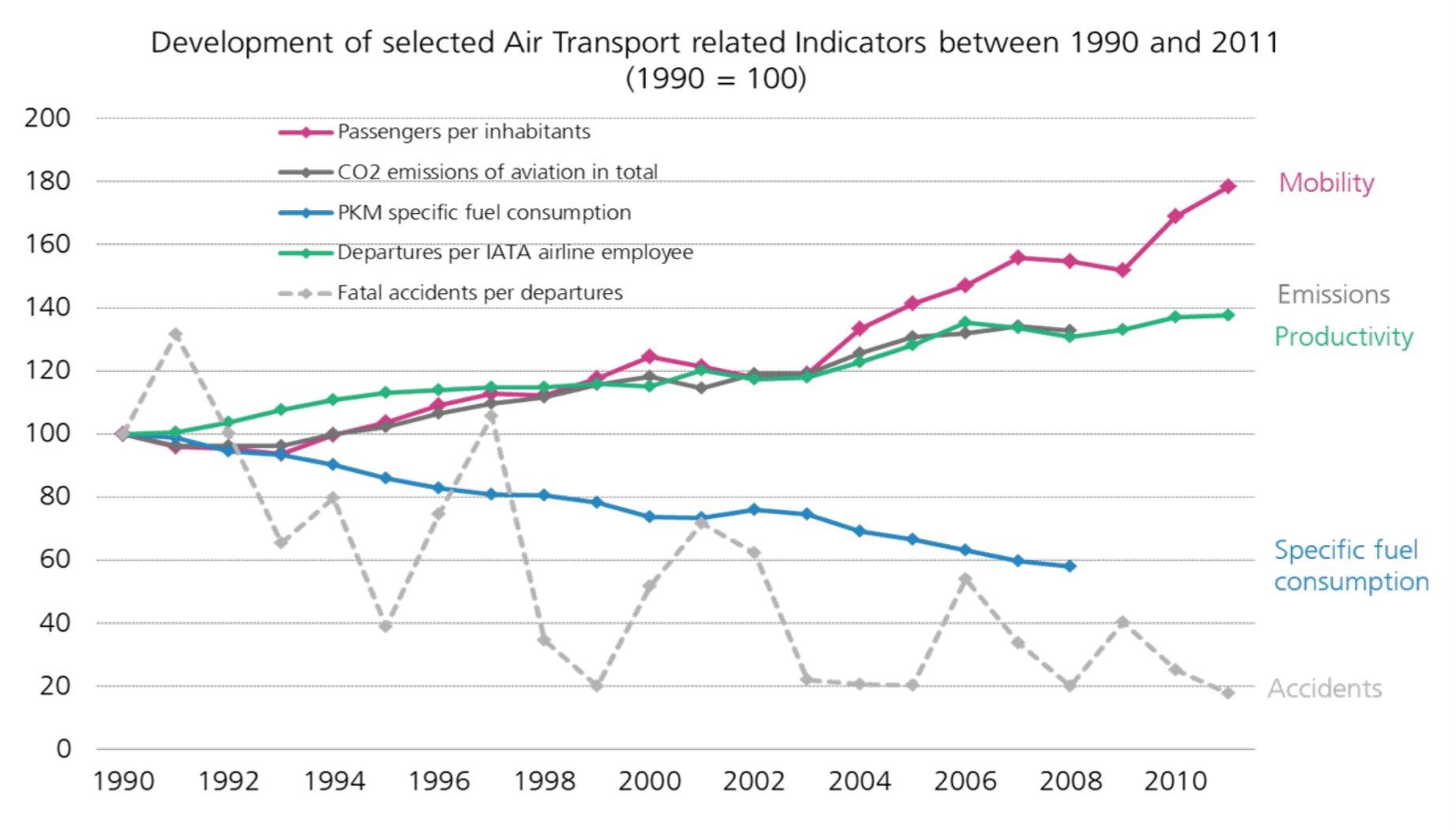


MONITOR: Monitoring System of the Development of Global Aviation



Publisher	Titel	Date of publication	Purpose of the study	Time horizon	Number of scenarios
Airbus	Global Market Forecast	2013	Aeroplane market forecast	2012-2032	1
Boeing	Current Market Outlook	2013	Aeroplane market forecast	2012-2032	1
ICAO	Global Air Transport Outlook to 2030	2013	General development forecast	2011-2030	1
ICAO CAEP	CAEP/9 Air Traffic Forecasts	2013	Basis for environmental investigations	2010-2050	3
DLR	CONSAVE 2050	2006	Identification of future challenges	2005-2050	4



Development tendencies over the last 20 years of the Flightpath 2050 issues

Indicators	PI: Productivity	PI: Specific fuel consumption	SDI: Emissions	SDI: Accidents	SDI: Mobility
1. Meeting social and market needs	➔				➔
2. Maintaining and extending industrial leadership					
3. Protecting the environment and energy supply		➔	➔		
4. Ensuring safety and security				➔	
5. Prioritising research, testing capabilities and education					

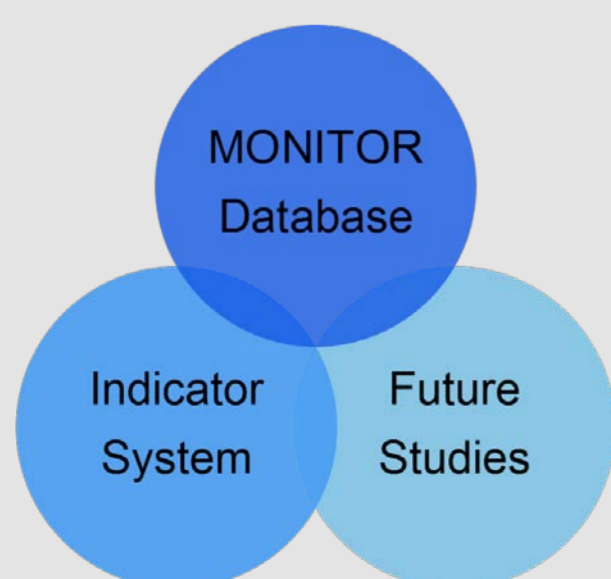
➔ = positive trend ↗ = increasing tendency
➔ = negative trend ↘ = decreasing tendency

Clockwise: Air transport database, Results of selected indicators,, development of movements within selected scenarios, structure of the MONITOR indicator system

The MONITOR-Portal

The challenges of the air transport development consist of the partly diverging interests among its stakeholders like airlines, airports, passengers, industry and environmental organisations. Facing these conditions, the challenging task for politics is to balance these interests. Therefore it's necessary to reach compromises for aiming a functional, environmental friendly and profitable air transport system. To support this purpose 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 strategic analyses, modelling and quantification activities.



The **(meta-) database** offers detailed information on air transport relevant sources with regard to statistics and development analyses of air transport internal topics as well as relevant socio-economic framework developments. Following this intention, the database offers a widespread basis for a systematic and complementary view on the long-term development of air transport in order to describe, forecast and assess this complex system. The assessment of data sources covers a wider field as usual data characteristics and shows possibilities and challenges of data usage as well as use cases for the collected data.

The **indicator section** contains more than 40 indicators on global air transport development, that provide a fast and clear overview of long-term performance and sustainability trends in the air transport sector with regard to system internal aspects (Performance Indicators - PIs) as well as economic, ecological and social interchanges to the air transport surroundings (Sustainable Development Indicators - SDIs). The comparison of the indicator results in relation to existing strategic and sustainable development goals allows to extract suggestions for improvements of the air transport system.

The aim of the **future study** site is to give an overview on recent studies on the long-term development of the air transport system, which can either be described by forecasts or scenarios. Statements on the future development of air transport are required for various purposes and are also essential for strategic planning of air transport infrastructure (like airports and air traffic management) and quantifying potential environmental impacts caused by air transport. This part of the MONITOR portal addresses the progress in the air transport sector and hints at new trends within the air transport system.

The MONITOR-Portals allows a systematic and complementary view on the long-term development of air transport and offers a continuous analysis in order to assess important trends of the global air transport system.

www.airtransport-monitor.eu

