

Going multi-modal: the Dutch experience

Presentation for the Seminar on models of Accidents and Incidents Investigation in transport, professionals, operators, administration, users and victims

Stephan Berndsen

Deputy Secretary-Director of the Dutch Safety Board

Madrid, May 4, 2023

Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas

4 y 5 de mayo – Congreso de los Diputados

Let's turn to page 1 of the report

When accidents or disasters happen, the Dutch Safety Board investigates how it was possible for these to occur, with the aim of learning lessons for the future and, ultimately, improving safety in the Netherlands.

The Safety Board is independent and is free to decide which incidents to investigate.

In particular, it focuses on situations in which people's personal safety is dependent on third parties, such as the government or companies.

In certain cases the Board is under an obligation to carry out an investigation.

Its investigations do not address issues of blame or liability.

Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas

4 y 5 de mayo – Congreso de los Diputados

History Dutch Safety Board

1937

CIVIL AVIATION BOARD
Investigatory Committee

1999

DUTCH TRANSPORT SAFETY BOARD
Investigations in transport sector,
including road transport and pipelines

2000 ENSCHEDE FIRE WORKS ACCIDENT
2000 MAJOR FIRE ACCIDENT IN BAR

1992 EL AL CRASH

1993

AVIATION SAFETY BOARD
Law amended

2005

DUTCH SAFETY BOARD

Permanent investigatory body that can
launch investigations into disasters,
accidents and near-accidents in a
broader range of sectors

Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas
4 y 5 de mayo – Congreso de los Diputados

Organizational structure



Facts and figures

- Autonomous administrative body
- Set up under a Kingdom Act
- Independent investigation
- Budget 2022 was €15 mln
- Board of 3 permanent members, 7 associate members
- 80 employees
- Reports
 - Full/short reports
 - Thematic studies
 - Quarterly report

Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas
4 y 5 de mayo – Congreso de los Diputados

Law and judicial authorities

Complete English translation of the Kingdom Act of the DSB:

https://www.onderzoeksraad.nl/nl/media/inline/2023/4/20/kingdom_act_dutch_safety_board.pdf

Independent investigation, “same” powers as the police

Good working relations with police, together on accident site

FDR and CVR protected by law (only for safety investigation)

Investigator protected against court as witness/expert

Reports cannot be used as evidence in court

Judicial authorities have no access to DSB files

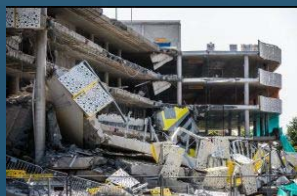
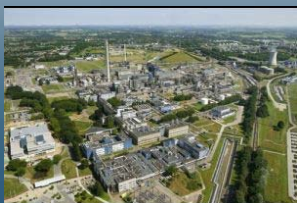
Protocols with judicial authorities

Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas

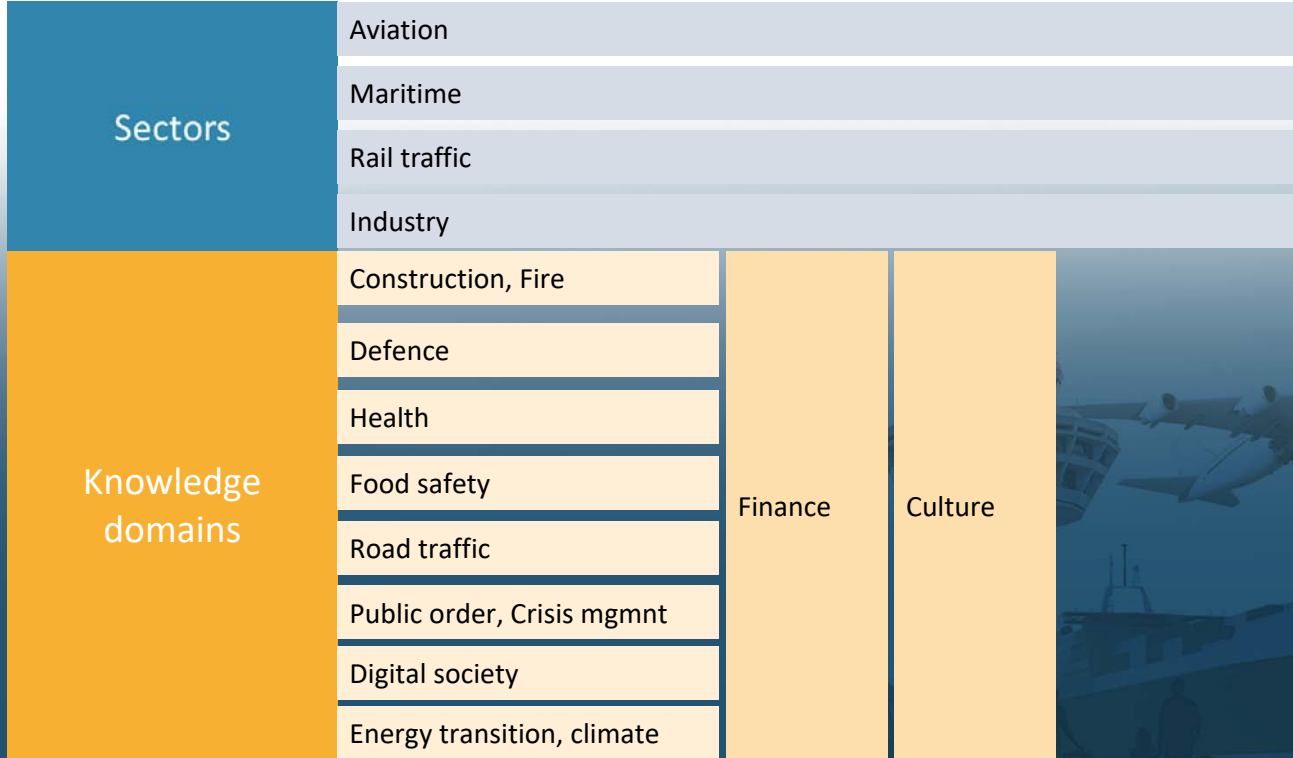
4 y 5 de mayo – Congreso de los Diputados

The DSB: multi-modal



Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas
4 y 5 de mayo – Congreso de los Diputados



Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas
 4 y 5 de mayo – Congreso de los Diputados

Advantages of multi-modal in practice

Investigation into the crash of MH-17



Seminario

Los modelos de investigación de accidentes e incidentes en los modos del transporte: profesionales, operadores, administración, usuarios y víctimas
4 y 5 de mayo – Congreso de los Diputados