

PROJECT

CHARM

Common Highways Agency Rijkswaterstaat Model

Funding: European (7th RTD Framework Programme)

Duration: Sep 2012 - Aug 2017

Status: Complete

Total project cost: €4,626,565

EU contribution: €2,800,000



Call for proposal: FP7-ICT-2011-8

[CORDIS RCN : 106218](#)

Objectives:

Over the past four years, Rijkswaterstaat, the Highways Agency and the Roads and Traffic Agency have worked together to share knowledge and approaches to solving common problems. This relationship is embedded in a joint Memorandum of Agreement. The organisations are very similar and share many of the same problems and challenges in managing their Strategic Road Network (SRN). Each organisation faces issues in addressing rising cost of ownership of traffic management systems due to end-of-life traffic technology systems which have strong vendor lock-in.

Neither organisation can solve its problems by purchasing existing commercial off-the-shelf (COTS) solutions in the traffic technology market because the traffic technology market has been slow to adopt a COTS approach. It is only via aggregated demand of the leading SRN operators that the market can be expanded, and costs reduced. Both organisations wish to decouple the technology solutions from the business requirements so that the business is free to implement new operating models and realise significant efficiency savings.

Without embarking on this programme, the HA will experience accelerated technology maintenance costs, reduced reliability, an inability to cost effectively meet the demands of Traffic Management Directorate (TMD) arising from the implementation of the Future Operating Model (FOM) and jeopardise TMD's programme of efficiency savings. Without this programme RWS will experience a lack of business flexibility. The CHARM programme has two primary objectives:

To establish and validate a Pre-Commercial Procurement (PCP) process in the participating countries

To use that process to identify new technologies and services to address the challenge of providing a Traffic Management System.

By the completion of this programme it is proposed to have a fully documented PCP process, capable of being run across multiple European countries

Parent Programmes:

[FP7-ICT - Information and Communication Technologies](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Other programmes: ICT-2011.11.1 Ensuring more efficient, higher quality public services through Pre-Commercial Procurement

Lead Organisation:

Department For Transport

Address:

Horseferry Road 33

London
SW1P4DR
United Kingdom

EU Contribution: €1,861,273

Partner Organisations:

Ministerie Van Infrastructuur En Waterstaat

Address:

RIJNSTRAAT 8
2500 EX DEN HAAG
Netherlands

Organisation Website:

<http://www.rijksoverheid.nl/ministeries/ienm>

EU Contribution: €501,273

Ministerie Van Economische Zaken En Klimaat

Address:

BEZUIDENHOUTSEWEG 73
2595 AC The Hague
Netherlands

EU Contribution: €158,727

The Technology Strategy Board

Address:

North Star House, North Star Avenue B1
Swindon
SN2 1JF
United Kingdom

Organisation Website:

<http://www.innovateuk.org.uk>

EU Contribution: €145,717

Vlaamse Gewest

Address:

AVENUE DU PORT 88
1000 BRUSSEL
Belgium

EU Contribution: €133,010

Technologies:

Road and traffic management systems
Transport demand and network model

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Road transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other

