

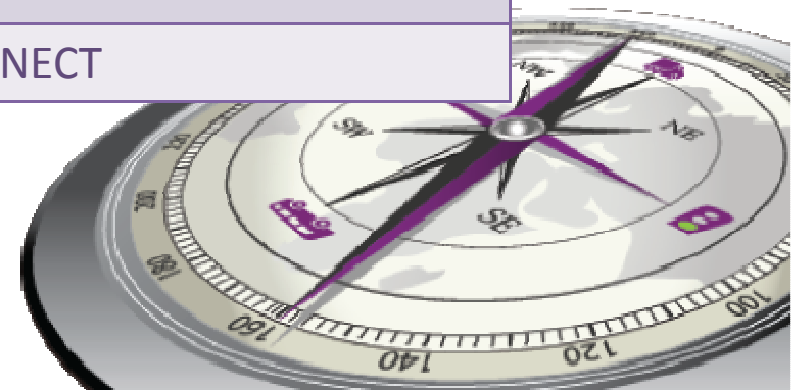
# 4D compass

## Project overview Vision & Goals



# Project general data

<b>NAME</b>	<b>Cooperative Mobility Pilot on Safety and Sustainability Services for Deployment</b>
<b>ACRONYM</b>	Compass4D
<b>PROGRAM</b>	CIP-Pilot actions
<b>START DATE</b>	1 <sup>st</sup> January 2013
<b>END DATE</b>	31 <sup>st</sup> December 2015
<b>CONSORTIUM</b>	33 partners
<b>TYPOLOGY</b>	CIP Pilot B
<b>SITES</b>	7 pilot sites
<b>BUDGET</b>	9,996,000€
<b>FUNDING</b>	4,998,000 €
<b>PROJECT OFFICER</b>	Irmgard Heiber – DG CNECT



# Project objectives 1/2

1. Ensure successful deployment and after-project life of the three piloted services, aiming at proving both safety and energy efficiency benefits and traffic flow optimisation.

**REAL**

2. Globally harmonize specifications for the three piloted services, through close cooperation with the US & Japanese counterparts, other CIP pilots and relevant standardization bodies.

**INTEROPERABLE**



3. Establish and follow an agreed harmonized testing, installation, monitoring and assessment strategy, as well as a common strategy for deployment of all three specified cooperative systems across all pilot sites

**HARMONISED**



## Project objective 2/2

4. Prove safety and energy efficiency benefits to all relevant stakeholders by collecting critical mass of data in 12 months full-scale operations of selected cooperative systems at each pilot site. **EFFECTIVE**

5. Collaborate with relevant standardisation bodies, mainly but not exclusively ETSI and CEN, in order to ensure full interoperability of the deployed cooperative solutions. **SCALABLE**

6. Create a set of best practices on the basis of the pilot site operations including guidelines, business models, manuals, and training material. **SUSTAINABLE**



# Project consortium

The project consortium includes the following entities:

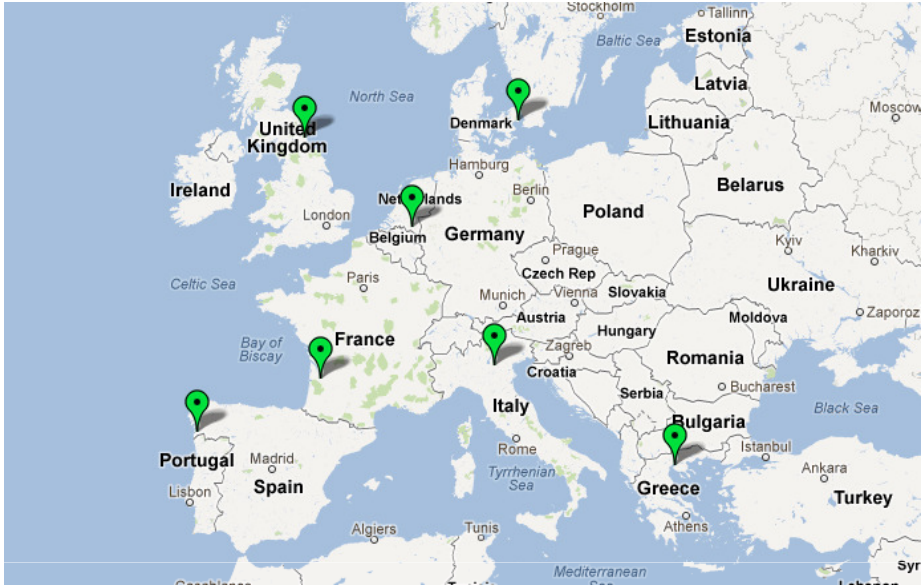
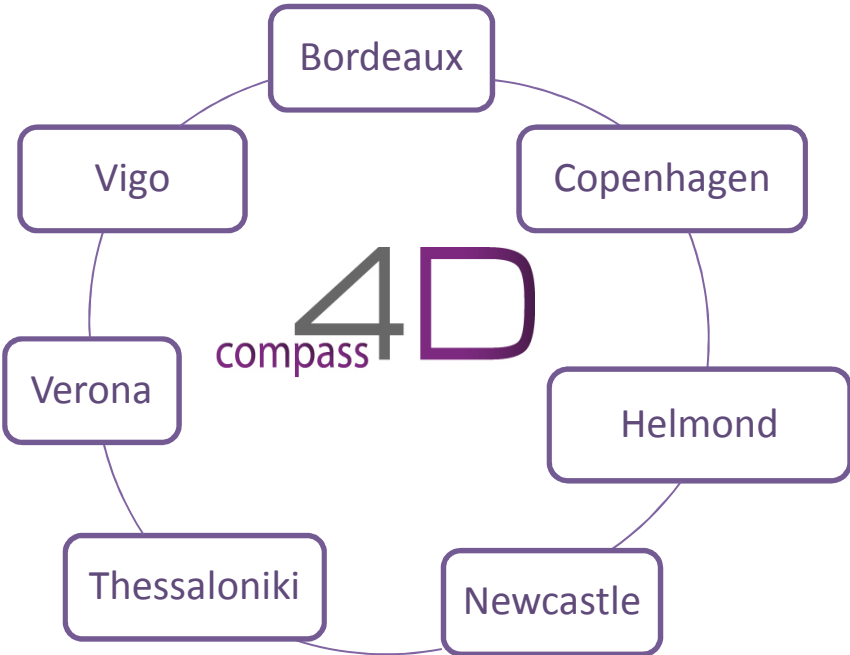
- ERTICO ITS EUROPE**
- Ministère de l'Écologie, du Développement durable et de l'Énergie** (République Française)
- VOLVO**
- swarco** (SWARCO MIZAR S.p.A.)
- PEEK TRAFFIC**
- SIEMENS**
- Vialis**
- info trip** (Intelligent Transportation Systems)
- TELECOM ITALIA**
- FiA**
- CERTH** (THE CENTRE FOR RESEARCH & TECHNOLOGY HELLAS)
- CTAG**
- TNO** (innovation for life)
- ENIXEY ICGS**
- IFSTAR**
- GLS**
- Applus+ IDIADA**
- VITRASA** (avanza group)
- EURO TAXI**
- MAT.TRAFFIC**
- TOPOS AQUITAINE**
- v.tron**
- ESYCSA**
- Imtech**
- PEEK**
- IRU Projects**

# Project structure

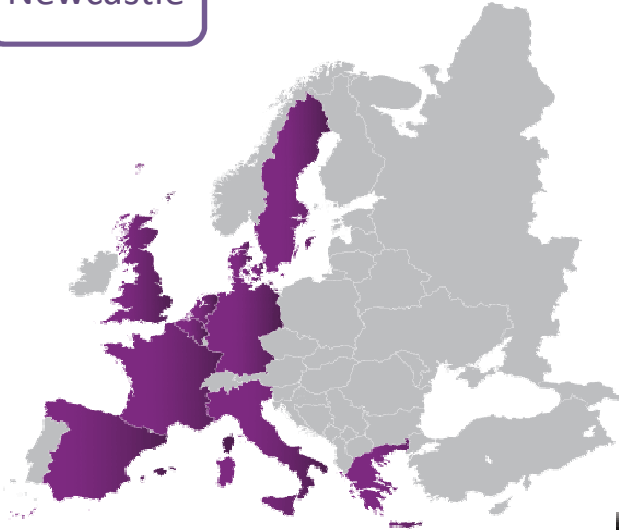
Work Packages	Lead Beneficiary
1. Project Management	ERTICO
2. Implementation	PEEK Traffic B.V.
3. Operation	Volvo Technology AB
4. Evaluation	University of Newcastle
5. Dissemination	ERTICO
6. Deployment enablers	Geemente Helmond



# Pilot sites



Compass4D pilot sites



Geographical distribution of Compass4D partners



# Piloted and deployed services

- Forward Collision Warning (FCW)



- Red Light Violation Warning (RLVW)



- Energy Efficient Intersection Service (EEIS)





# Vehicles per pilot site

<i>Vehicles / pilot site</i>	Bordeaux	Copenhagen	Helmond	Newcastle	Thessaloniki	Verona	Vigo	Total
Trucks	40		7	5				52
				vans				
Cars	34		25	5	7	10	10	91
			electric	electric				
Buses		100	5			10	20	135
Emergency vehicles	6		5				2	13
Taxis					35		8	43
Total vehicles	80	100	42	10	42	20	40	334

## Estimated number of drivers: 574

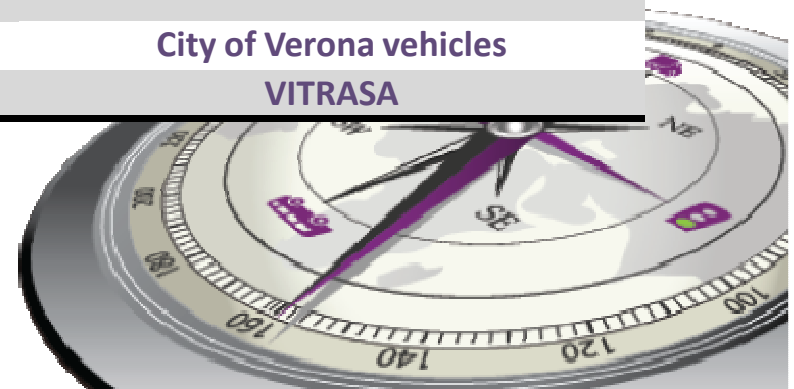
- Commercial vehicles (busses, trucks, emergency vehicles and taxis) → **two** users /drivers per vehicle.
- Electric vehicles and passenger cars → **one** users /drivers per vehicle.

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# Infrastructure responsible & fleet operators per pilot site

Pilot site	Public authority	Maintenance / Operation	Vehicle fleets (only the main ones are mentioned below)
Bordeaux	French Ministry (MEDDE) <i>Local authorities of Bordeaux</i>	MEDDE GLS	<i>Fleets expressing interest: GT Location; Geodis Calberson; STEF</i>
Copenhagen	City of Copenhagen	PEEK	City of Copenhagen bus fleet
Eindhoven-Helmond	City of Helmond	PEEK	<i>Van den Broek Logistics; Helmond Fire Brigade</i>
Newcastle	City of Newcastle	SIEMENS	<i>Nexus</i>
Thessaloniki	Regional authority of Central Macedonia	SWARCOMIZ	EUROTAXI
Verona	City of Verona	SWARCOMIZ	City of Verona vehicles
Vigo	City of Vigo	ESYCSA	VITRASA



# Vision and main goals

- ❑ Demonstrate the **positive cost-benefit** of Cooperative Systems
- ❑ Make sure the **services remain alive** after the end of the project
- ❑ Become a **reference model** for other cities
- ❑ Raise **public awareness** and user acceptance
- ❑ Support **international cooperation** and standardisation



Please visit [www.compass4D.eu](http://www.compass4D.eu)  
or contact project coordinator

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Anita Toni, ERTICO – Project Assistant

