

CTL - Research Centre for Transport and Logistics

CENTRO DI RICERCA
PER IL
TRASPORTO E LA LOGISTICA



SAPIENZA
UNIVERSITÀ DI ROMA



www.ctl.uniroma1.it
info@ctl.uniroma1.it

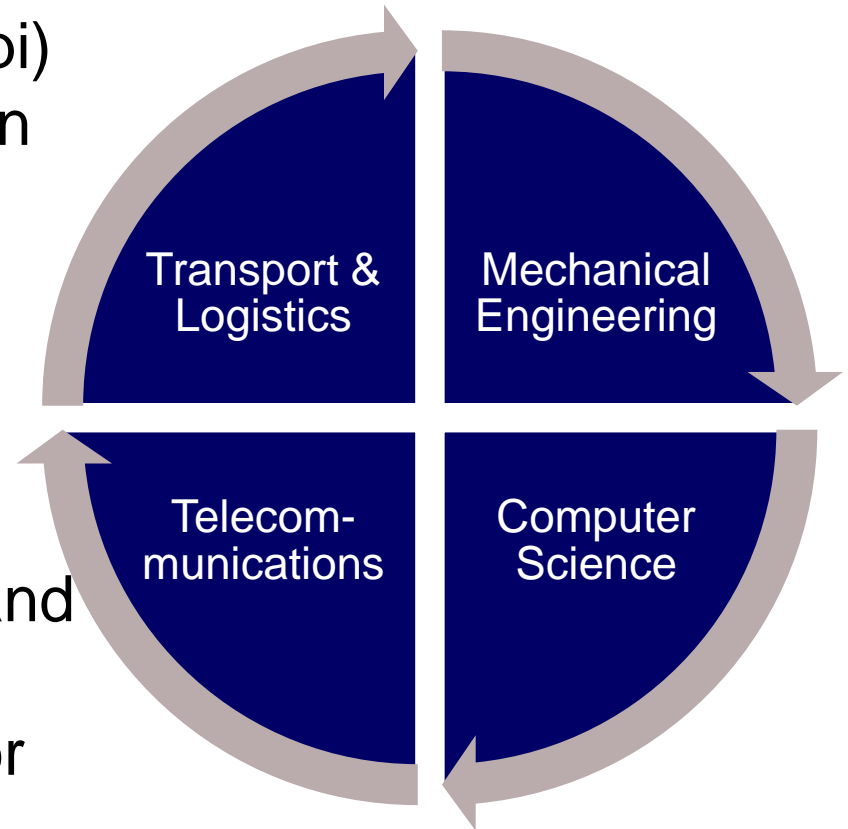
Ingegneria R&D
la ricerca vista da vicino

Who we are

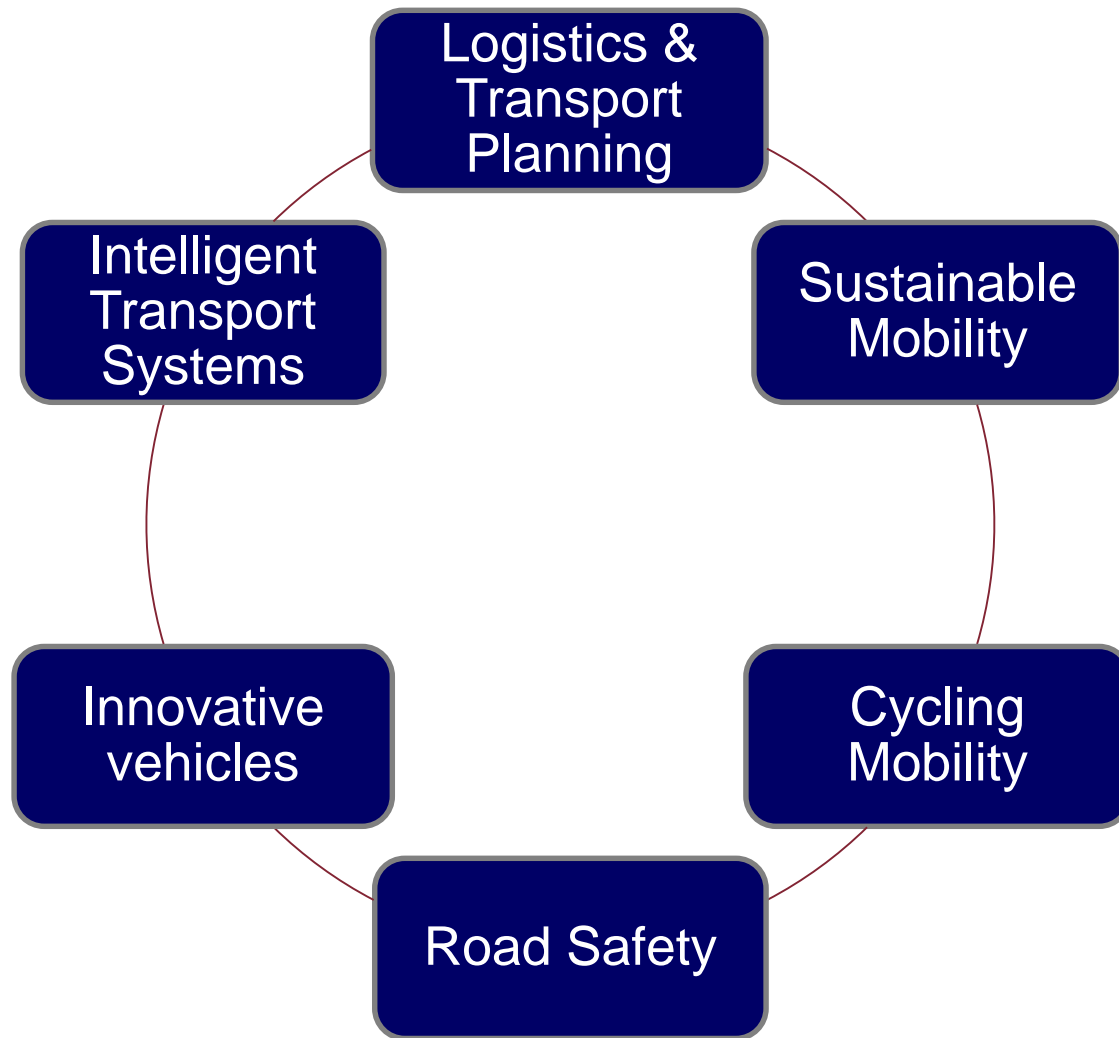
The Research Centre

Excellence Centre founded in 2003 (Prof. Francesco Filippi) and recognized by the Italian Ministry of “Education, University and Research” (MIUR)

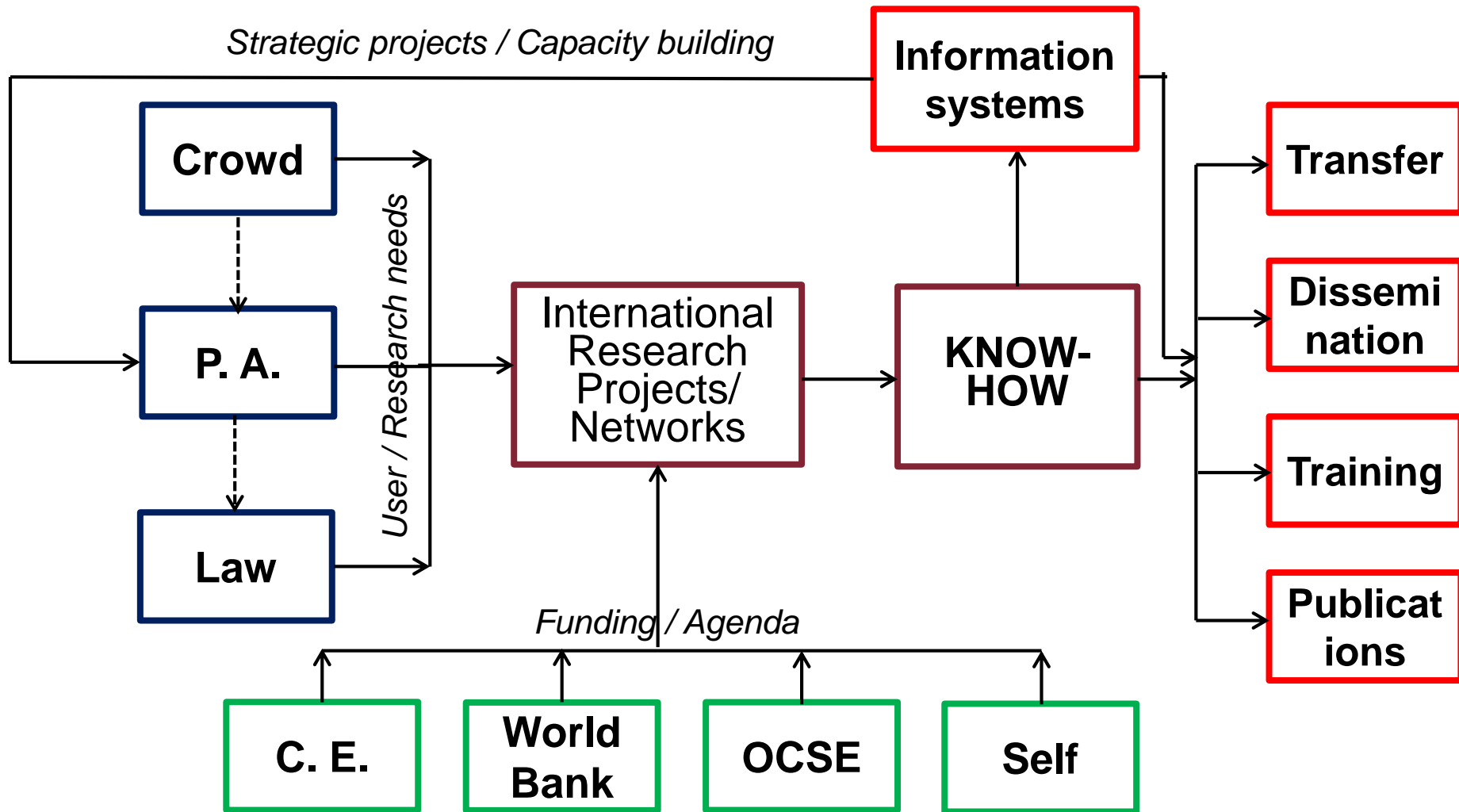
Activities are based on a multidisciplinary approach and encompass basic research and practical applications for Public Administrations and private companies



Main Topics



Our approach



Examples of Research Projects/Networks

Road Safety: SAFETYNET, DACOTA, SAFETYCUBE

SafetyNet has created the European Road Safety Observatory. Dacota and SafetyCube continue the activities focusing on data collection, road safety analysis methodologies, cost-effective measures



Main partners: TSRC, SWOV, NTUA, IFSTTAR, TOI

Sustainable Mobility: *Green eMotion*

Defining and demonstrating an interoperable and user-friendly **electromobility** in Europe

To create an ICT system concept for electromobility services Europe-wide marketplace and to demonstrate it



Main partners: Siemens, IFSTTAR, Rome Municipality

Innovative vehicles: CityMobil 1 & 2

Spreading **automated transport systems** by means of homologation and opening public.

CityMobil 2 is coordinated by CTL



Main partners: TNO, INRIA, IKA, DITS, ITS

Memberships



FERSI - Forum of European Road Safety Research Institutes



ETSC – European Transport Safety Council

CARE - Community Road Accident Database



OECD - International Transport Forum

IRTAD – International Road Traffic and Accident Database

iMobility Forum



Humanist Virtual Centre of Excellence

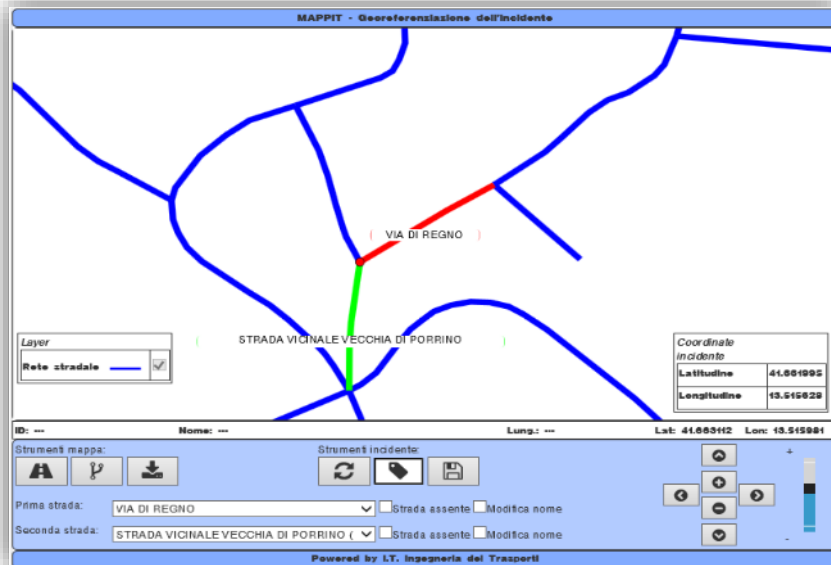


Open ENLoCC - European Network of Logistics Competence Centers

Examples of Information Systems

SFINGE

Web-based information system for collection, management and analysis of traffic accident data




Dati generali | Localizzazione | 1a strada | 2a strada | Stato dei luoghi | Rapporto | ISTAT

Dati locali

Comune **Località/Frazione**

Luogo dell'incidente

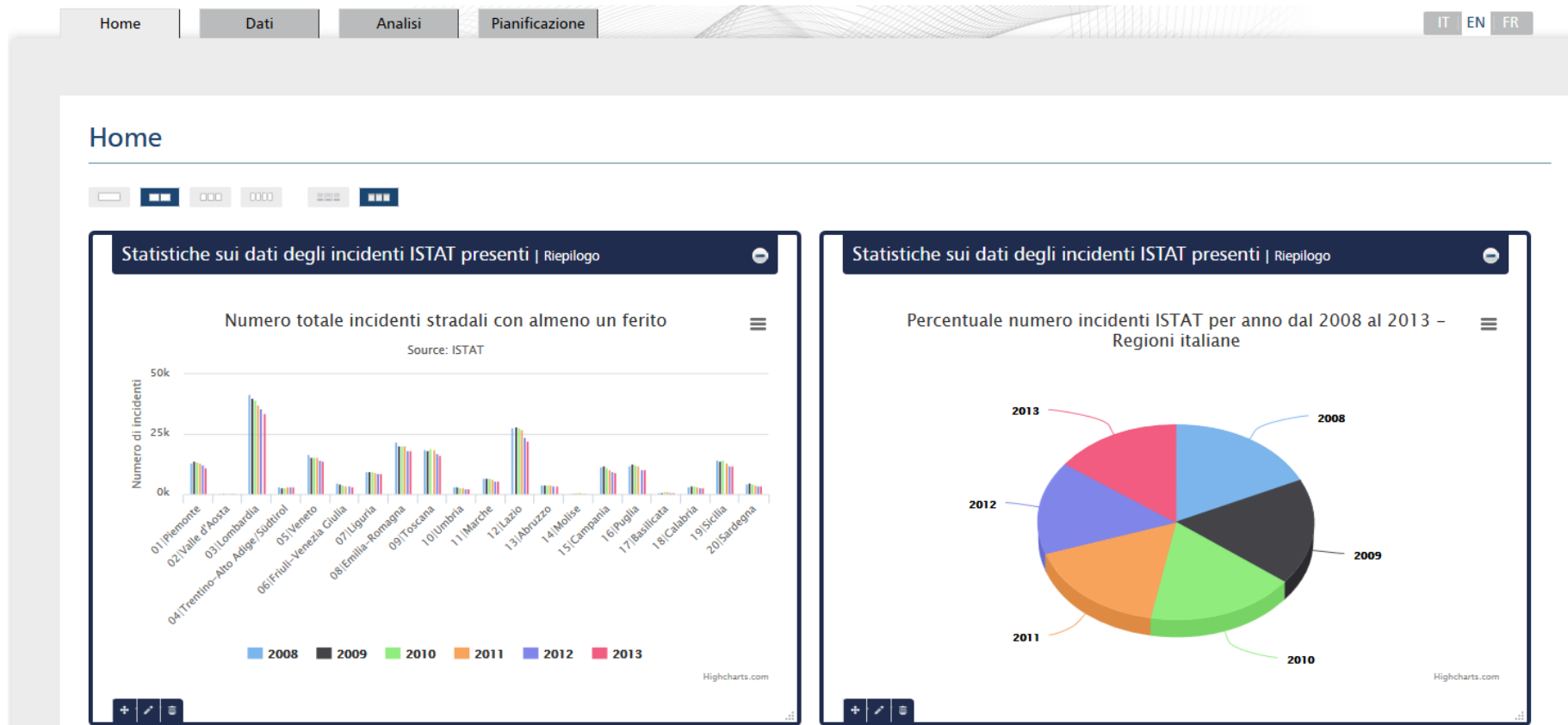
Caratteristica intersezione **Regolazione dell'intersezione**



SAFETY MANAGER

Web-based information system for management, analysis and planning of road safety

- Support system for monitoring centers activities



Crowdsourcing tools

The screenshot shows the PUMS Roma website. The header includes the PUMS logo (Piano Urbano della Mobilità Sostenibile) and the ROMA logo. A navigation bar contains links: Il Piano, Partecipa (active), Chi Siamo, Link Utili, Diario, and Progetti. A search bar and social media icons are also present. The main content area is titled 'Come Partecipare' and features a red sidebar with 'Partecipa' and 'Proposte dei cittadini'. The main text explains the participation process: registering, making a proposal on the map, and sharing it. It also mentions that proposals with the most 'likes' or technical value will be considered by the administration. A 'Condividi' (Share) button with a count of 32 is visible on the right.

PUMS
Piano Urbano
della Mobilità Sostenibile

ROMA

mobilità
ROMA
RISORSE
PER ROMA

Il Piano ▾ **Partecipa** Chi Siamo Link Utili Diario Progetti ▾

Login

Come Partecipare

Partecipa

- **Come Partecipare**
- Proposte dei cittadini

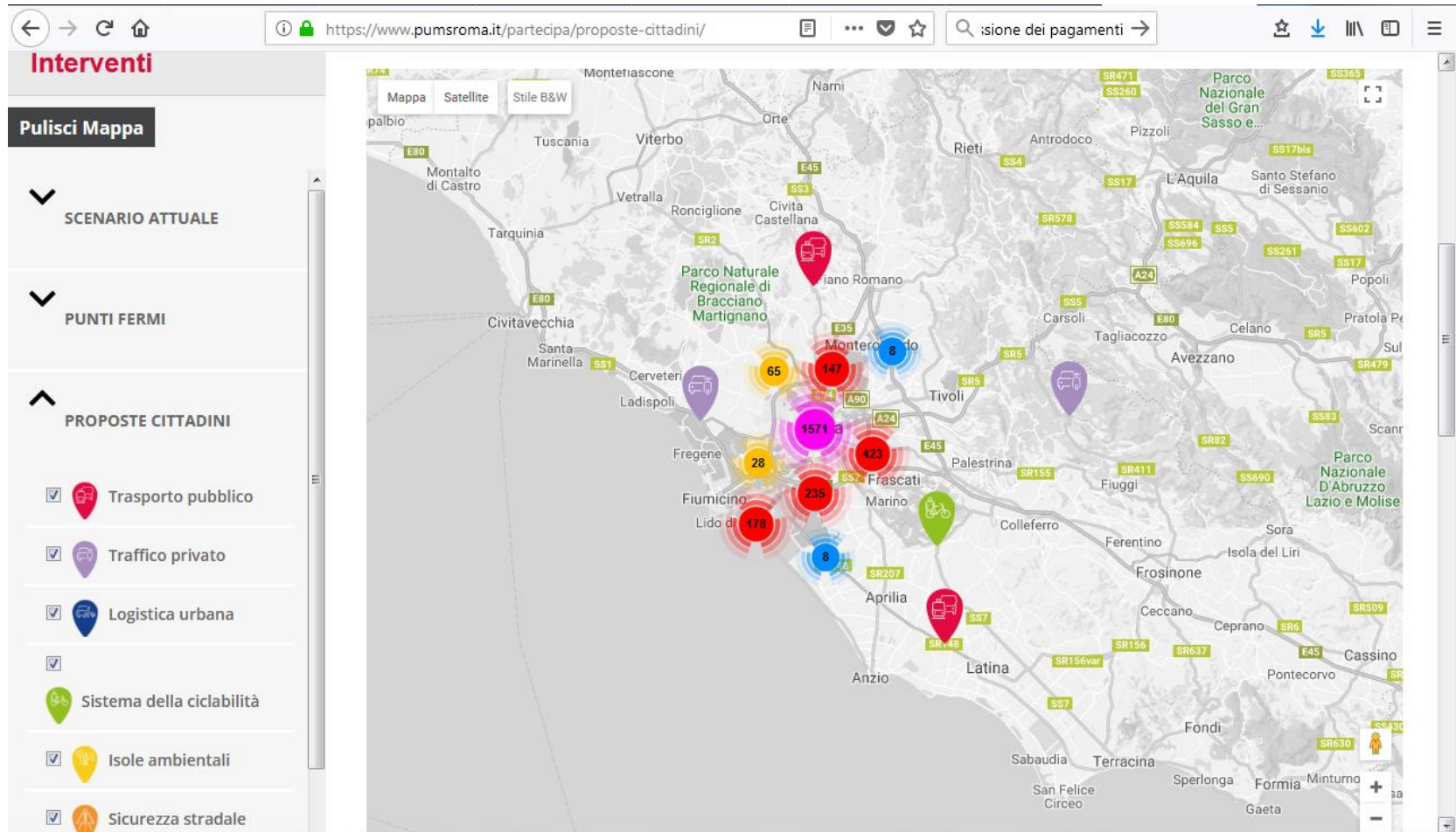
[Home](#) / [Partecipa](#) / [Come Partecipare](#)

Partecipare alla costruzione del PUMS è molto semplice.
Basta [registrarsi](#) e fare una proposta localizzandola sulla mappa nella sezione [Fai una proposta](#), e condividerla.
Si possono commentare le [proposte di tutti gli altri utenti](#), e/o segnalare il proprio gradimento e/o condividere.
Le proposte che avranno raggiunto il maggior numero di "like", così come le proposte di particolare valore tecnico, verranno prese in considerazione dall'Amministrazione, saranno approfondite dal Gruppo di Lavoro, e potranno diventare parte integrante del PUMS.

Segui i 4 semplici passaggi

Condividi 32

Crowdsourcing tools



Technology transfer outside EU

EC: SAFERBRAIN

Transferring in India and Brasil the *best practices* for vulnerable road users safety.



Coordinated by CTL

Main partners: Mobycon, VW India, University of Sao Paulo

EC: BeSafe

Transferring in Belarus the most advanced knowledge on road safety

Main objective: creating master courses on road safety for technical and economic universities

Coordinated by CTL



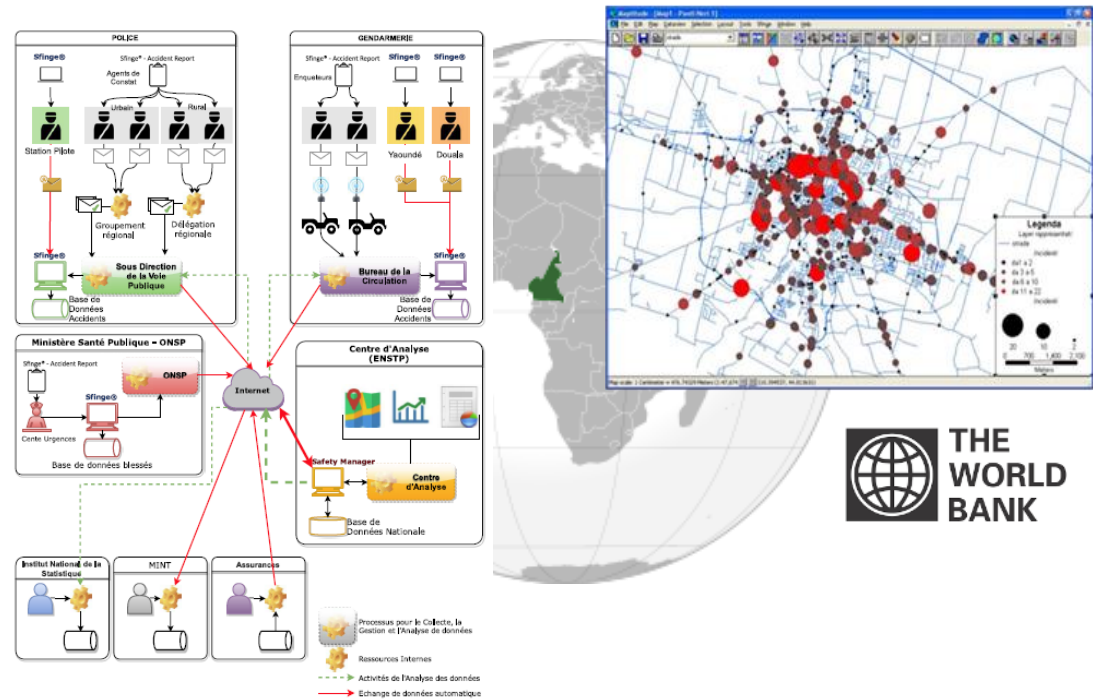
Partners: BNTU, BSEU, BrSTU, BeISUT, NTUA, LOUGH

WB: Republic of Cameroon

Creation and implementation of traffic accident databases and of an information system for road safety at national level

Creating the National Centre for Analysis of Traffic Accidents

Coordinated by CTL
Main partners: IBSR,
IT, SWOV



WB: Republic of Mozambique

Development of simplified road safety assessment methodology, using automated image analysis

Pilot assessment study of national Highways in Mozambique

Coordinated by CTL
Partner: Fred



EC: SaferAfrica

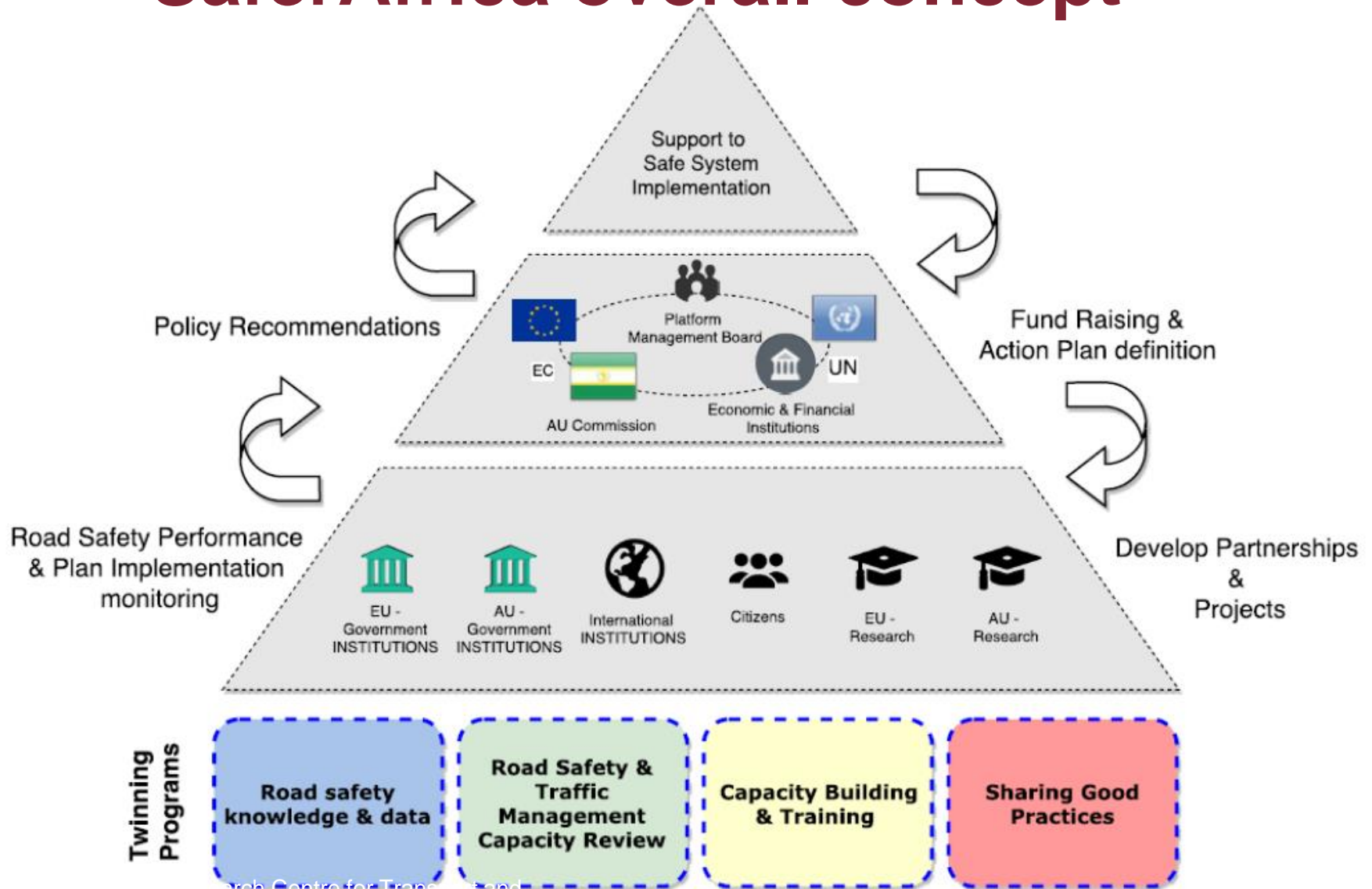
SaferAfrica is a Horizon 2020 European Commission-funded project, coordinated by **CTL**, involving several international organizations such as the **UN**, the **WB**, **FIA** and the **WHO**.

Main objective: combining the African and European expertise on road safety through the involvement of key players in a **Dialogue Platform**.

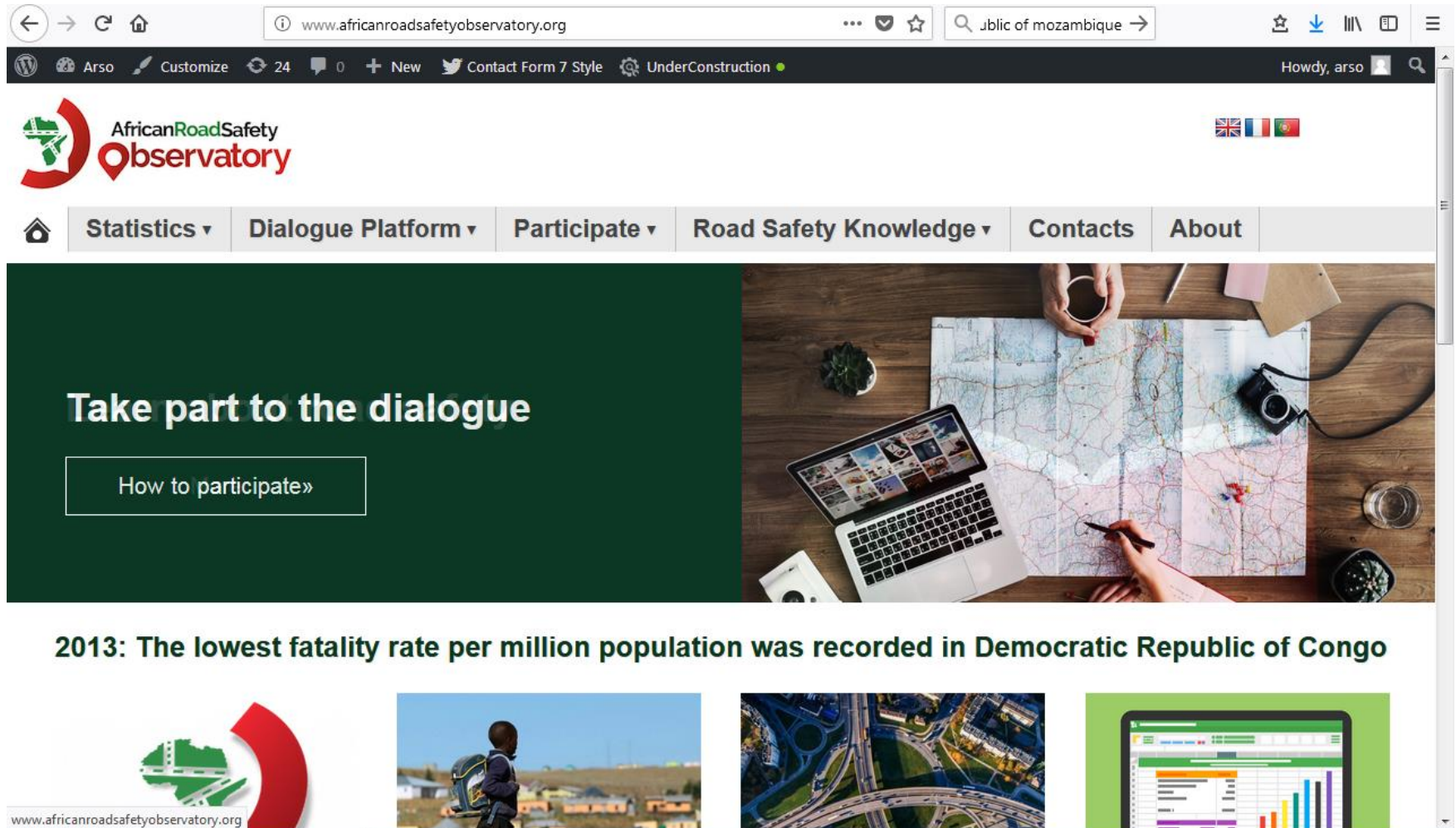


18 Partners from 16 countries: IFSTTAR, IRF, SSATP, SWOV, NTUA, among others.

SaferAfrica overall concept



African Road Safety Observatory



The screenshot shows the website of the African Road Safety Observatory. The browser address bar displays www.africanroadsafetyobservatory.org. The website header includes the logo, navigation links (Statistics, Dialogue Platform, Participate, Road Safety Knowledge, Contacts, About), and flags for the United Kingdom, France, and Portugal. A large green banner features the text "Take part to the dialogue" and a button labeled "How to participate»". Below the banner, a headline states: "2013: The lowest fatality rate per million population was recorded in Democratic Republic of Congo". At the bottom, there are four small images: a map of Africa with a red road, a child carrying a school bag, an aerial view of a highway interchange, and a laptop displaying a data dashboard.

Take part to the dialogue

[How to participate»](#)

2013: The lowest fatality rate per million population was recorded in Democratic Republic of Congo

www.africanroadsafetyobservatory.org

Crowdsourcing activity

← → ↺ 🏠 www.africanroadsafetyobservatory.org/participate/crowdsourcing/ 🔍 public of mozambique

WordPress Arso Customize 24 0 + New Edit Page Contact Form 7 Style UnderConstruction Howdy, arso

Clean map

PROPOSAL

- ☐ Road Safety Management
- ☒ Infrastructure 1
- ☐ Vehicles 0
- ☐ Road Users 0
- ☐ Post-crash response 0

REPORT

- ☐ Road Safety Management
- ☐ Infrastructure 0
- ☐ Vehicles 0
- ☐ Road Users 0
- ☒ Post-crash response 1

Map Interface:

- Buttons: Mappa, Satellite, Stile B&W
- Information icon: Propose your idea to improve road safety in the country or report problems detected
- Map: Africa with country labels (e.g., Algeria, Nigeria, Kenya, Mozambique) and ocean labels (Oceano Atlantico settentrionale, Oceano Atlantico Meridionale, Oceano Indiano).
- Markers: An orange icon (Infrastructure) is placed over Mali, and a purple icon (Post-crash response) is placed over Nigeria.

Final considerations

Added values

- Cultural enrichment
- More funding opportunities
- Lower competition
- Wider scope for action
- Human values

Drawbacks

- Difficult context/ working methods
- Personal risks
- Actual transferability of results
- Need for administrative/ management flexibility
- University appreciation?

Research Centre for Transport and Logistics

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