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Galileo Application Days showcase the future of satellite navigation

From March 3 to 5, the European Commission is hosting the 'Galileo Application Days' event where around 40 cutting-edge satellite navigation applications will be demonstrated live. They were developed with the support of either the EU Research Framework Programme, or the European Space Agency's Technology Transfer Programme or private, regional and national initiatives. The applications will be demonstrated live through an 'Application Village' spread over an area of over 2,000 m² built on the esplanade of the Berlaymont building and divided into six areas such as Road, City or Port.

Here are a few examples of what visitors can experience:

Road area

- GSW will demonstrate an Intelligent Speed Adaptation solution based on satellite navigation technology that rewards drivers for **good driving behaviour**. Experiment with the prototype to measure its speed, earn points and get a prize when the driver operates within the speed limit.
- SIGNATURE shows an assisted satellite navigation solution for **Road User Charging, and Pay-As-You-Drive insurance**, using the EGNOS. A vehicle route and speed will be displayed.
- GALAPAGOS for **container tracking**. It demonstrates a positioning system designed for logistics applications based on high sensitivity satellite navigation receivers.
- Other applications concern accurate and guaranteed tracking & tracing of **dangerous goods transport** and TaxiPal overcomes language barriers when ordering a cab anywhere in the world.

City area

- Mobzili combines your **precise location with information on events**, activities, public services and shopping opportunities in the area.
- OPTI-TRANS helps you **navigate across Europe using various modes of transportation**. The system combines information from transport authorities and vehicle owners and determines the optimum route and mode depending on your actual location.
- Satellite navigation signal falsification or 'spoofing' is an increasing threat. Spoofing can allow a device or service to show a false position or itinerary, disrupting business and safety-critical systems. TIGER has developed a system to determine whether a **signal can be trusted**.
- By combining satellite navigation positioning and wind measurements, Osmografo **automatically plots the area covered by search & rescue dogs'** sense of smell of in real time. Learn how search & rescue coordinators determine which area still needs to be searched before leaving the zone.

Port area

- **Sci-Tech POB** (Person Overboard System) shows how a boat can be guided to rescue a person that fell overboard from it;
- Discover how the European Maritime Safety Agency (EMSA) is **improving safety and security** for the EU. See how EMSA detects illegal oil spills and identifies the polluters, in order to prevent pollution in our seas.

Neighbourhood area

- **Inclusion** shows visitors how satellite navigation information can help a person in a wheelchair overcome physical obstacles and increase his or her mobility;
- Liveline, a new geo-social service, will demonstrate location-based mobile **tracking of 'vulnerable people'**.
- The IEGLO project application, MODIS®, is a system for **supporting care of the elderly or people with Alzheimer's disease**. The demonstration will show how MODIS can monitor and assist patients in different emergency situations in different locations – indoor and outdoor.

Outdoor area

- Close Search allows visitors to **tour a search and rescue helicopter** and to see how it can locate people lost in wilderness areas.
- GALILEOCAST is delivering high resolution **local weather forecasts** by using dense observational data from satellite navigation equipped vehicles to customers' mobile devices.

Visitors can also race against Formula1 drivers on a gaming console, watch family keep track of each other in a crowded public space, geo-tag photos through mobile devices, wear glasses that simulate visual disabilities and let themselves be guided through the Village, see how satellite navigation can be used to decrease fuel consumption and hence CO² emissions and much more!

Workshops and conferences during the Galileo Application Days

The Galileo Application Days also entail a series of **workshops and conferences** including:

- - A **GNSS Global Leaders Roundtable** where industry experts from around the world are discussing trends, opportunities and challenges for satellite navigation applications;
- - The **kick-off of the European Satellite Navigation Competition 2010**, an initiative of the German state of Bavaria to stimulate and reward the development of innovative satellite navigation applications;
- - Sector-specific sessions in the areas of **Leisure & Tourism, Social & Public Services, Aviation, Road, High Precision and Others**, each involving industry keynotes, presentations of new applications and presentation of success stories.

The **official opening of the Galileo Application Days** is taking place today, March 3, with an address from the Vice-President for Enterprise and Industry Antonio Tajani, remarks from members of the European Parliament, the Spanish Council Presidency and the European Space Agency and an outline of the Commission's future GNSS Application Action Plan by Georgette Lalis, Director in charge of the EU Satellite Navigation Programmes EGNOS & Galileo.

This official opening is followed, at 4.30 PM, by the inauguration of the Application Village with live demonstrations and a cocktail reception where the press is cordially invited.

Background

Under the EU's Sixth Research Framework Programme (FP6, 2002-2006) and the Seventh Research Framework Programme (FP7) launched in 2007, around €150 million has been invested to date in satellite navigation research and technology development. Most funding has targeted stimulating the creation of high tech applications that harness the benefits of the increased accuracy and reliability provided by EGNOS now, and Galileo later. These new tools are poised to bring a multitude of social, environmental, safety and economic benefits to users.

[*For more information on the programme of Galileo applications day*](#)

[About EGNOS & Galileo](#)