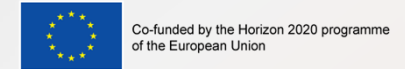




Galileo *I*mproved *S*ervices for *C*adastral *A*ugmentation *D*evelopment *O*n-field *V*alidation



# CLGE General Assembly I 2021

GISCAD-OV 2020 Achievements and next steps

Athens, 03-05 June 2021

*Speakers: Ivars Nudiens, Florian Lebourdais*





# "Galileo Improved Services for Cadastral Augmentation Development On-field Validation"

project started on **1 December 2019** and will last 36 months, for a total budget of **3.23 M€**

The kick-off meeting was held in **Rome** on **21 January 2020**



## ***Start of activities and setting up of the CLGE project team (Dec. 19 – April 20)***

Two employees have been appointed and started their mission on 1 April 2020:

- **Mr Ivars Nudiens (LV), as CLGE CTO, 80% of one full-time equivalent;**
- **Mr Florian Lebourdais (FR), as CLGE CFAO, 20% of one FTE.**



## WP2 User Requirements (Dec19-May20)

- **Define User Requirements** for the design and Development of the GISCAD-OV Cadastral Solutions
- **Compilation and analysis of the information collected from the whole Cadastral Value Chain Stakeholders**
  - **3 categories of stakeholders** (mapping and cadastral agencies, augmentation service Providers, professional associations of surveyors)
  - **7 partner countries** (CZ, DE, EE, FR, HR, IT, ES)
- Expected result/deliverable: **identify single countries' functional and non-functional Requirements** for the design of the services.





## Methodology

- **Dissemination of a questionnaire** (February-March 2020);
- **Analysis and comparison of information collected from different sources** (March-April 2020), with interviews of respondents;
- **Report** (delivered April 2020) **was written and improved iteratively.**





## On-going activities : WP4 – Objectives & Methodology

### **The objectives of the WP are:**

- Development, Integration and Test of the System and Service Architecture (Task 4.1)
- Cadastral Pilot Project Execution (Task 4.2)
- Infrastructure Monitoring Pilot Execution (Task 4.3)

### **Timing:**

- Assembly, integration and testing is planned from Oct 20 – September 21
- OV takes place from September 21 – February 2022
- Planning in function of COVID-pandemic situation and travel limitations, HAS availability, weather, etc.





## Working hypotheses and expected difficulties

- 1. Full availability of Galileo High Accuracy Service (HAS) at the start date of field operations.** HAS will allow users to obtain a positioning error below two decimetres in nominal conditions of use.
- 2. Mobility requirements:** Free movement of staff and equipment between European countries, as well as of local surveyors within each country is ensured during the campaign period.



## WP4 - Tasks

### Task 4.2: Pilot Implementation

On-Field Validation in the following Countries:

1. Italy
2. Estonia
3. Czech Republic
4. Germany
5. France
6. Spain
7. Croatia



Real Cadastral Surveys in each of the Pilot Countries

Comparison between current techniques and GISCAD-OV proposed solution







## WP4 - Tasks

### Task 4.2: Pilot Implementation (TL - CLGE)

From September 2021 to February 2022

- Cadastral or property survey's following national regulation in 7 pilot countries
- Test different scenarios and environments
- Mobilisation of local professional surveyors
- Surveying standard and data collection procedure
- Survey Results recording in a standard format
- Monitoring of the Galileo HAS availability in the test zones
- Monitoring of the ionospheric conditions
- Survey Report / Field Book

