

## D6.2.8- Progress Report

*WP6000-Management*

# Galileo Information Centre for Mexico, Central America, and the Caribbean

Prepared by:



## CONTROL SHEET

<b>Document Name</b>	D6.2.8 - Progress Report		
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<b>Distribution</b>	Confidential		
<b>Reference</b>	GICMEXICO-D6.2.8		
<b>Issue</b>	1.0	<b>Date</b>	21/10/20223
<b>Reviewed by:</b>	María Mota	<b>Revision date:</b>	21/10/20223
<b>Approved by:</b>	Elena Megías	<b>Approval date</b>	21/10/20223
		<b>Pages</b>	40

## CHANGE CONTROL

Issue	Reason for Change	Responsible	Date
1.0	Initial version of the document	GIC Mexico Team	21/10/20223

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# 1. Executive Summary

The objective of this project is **to set up and run** for a period of 36 months, **an Information Centre for European Navigation Satellite programmes (EGNSS) to cover Mexico, Central America and the Caribbean** in order to ensure and improve the visibility of the EGNSS activities in this region (México, Central America and the Caribbean) and promote the cooperation of European and regional stakeholders at different levels: academic, industrial and institutional.

This document presents the **activities developed** in the frame of the Galileo Information Centre for México, Central America, and the Caribbean project (the project) **during the last reporting period**, since milestone M6 at T0+21 till milestone M7 at T0+24 months.

**In the frame of the WP1000 (Identification of relevant markets and stakeholders)** a continuous monitoring of different market segments, stakeholders and PoCs is being carried out and **several updates of the documents has been delivered** to the European Commission this reporting period.

**WP2000 (Promotion on European GNSS programmes)** aims at disseminating information concerning European GNSS programs (description, results and milestones) and related applications through specific activities as publications, webinars or attendance to exhibitions and congresses. **Continuous communication has continued through social networks and the web page:** a total of 6 GNSS related and GIC relevant news published in the GIC web page and related posts in social media. Ad-hoc material has also been developed such as the presentations used in the events and meetings that the GIC has organised or participated in. It has participated in 5 events and the participation in FAMEX2023 is being prepared.

Companies in charge of **WP3000 (Facilitate the development of GNSS related applications)** are currently working on the preparation of six technical notes, one for each identified Galileo based applications. At this point in the project, two of these technical notes have already been developed and delivered to the EC: Drones and agriculture applications. The technical notes **explain the different application using GNSS technology and the possibilities to introduce the usage of Galileo in the existing technologies available in Mexico, Central America and the Caribbean.** Some of the companies already present in the area with similar solutions are also reported together with the possible steps needed for full implementation of this application in the covered area.

Another task that has been carried out as technical support to the development of solutions has been the delivery of 9 technical support sessions to the winners of the GalileoGICkathon 2022.

The GIC Mexico team is also aware of the importance of the academic activities. Considering that the academic sector is very relevant when fostering the development of a particular industry, the Centre has devoted effort in developing training and academic activities, with two relevant entities as the Polytechnic University from Madrid (UPM) and the Universidad Nacional Autónoma de México (UNAM).

The Centre in the frame of **WP4000 (Education and training on GNSS-related issues)**, has generated the technical contents of a **GNSS course that will be offered to UNAM undergraduate and postgraduate students for the next academic year** (2023 semester 2 which runs from the 30<sup>th</sup> of January till the 26<sup>th</sup> May 2023). In addition, part of the course that has been prepared in an inter-semester course at UNAM will also be given on **February 1, 2, 3, 6 and 7, 2023**.

**WP5000 (Facilitation of joint industrial collaborations between Latin American and European partners)** aims to boost the competitiveness of EU industry and local industry by fostering the collaboration between European and local companies and supporting the identification of strategic partnerships and business opportunities. One way to achieve this was the creation of the **Working Groups**, which in this last period have held their **fourth session** (13/12/2022). Other actions that have been carried out in this period have been the **official visit of the EU** to the GIC HQ and the meeting with members of the **SIRGAS project**.

To conclude, it should be remarked that the progress of the project is positive, with activities in line with the initial planning, while facing problems such as the pandemic or the lack of a partner. We believe that the messages and information related to EGNSS is reaching the region main stakeholders, thanks to the work of the project and thanks to the interaction with key actors, who transmit to us that the interest is growing and the entities that ask about Galileo are more numerous each day.

To illustrate this progress, this report in its different sections provides more details of all the activities carried out by the GIC Mexico during this period.

## 2. Introduction

The purpose of this document is to present the activities developed in the frame of the Galileo Information Centre for México, Central America, and the Caribbean project.

This document is one of the agreed project deliverables and details the status of the project tasks and describes the activities developed during the last reporting period of the project, since M6 at T0+21 till milestone M7 at T0+24.

This document is structured in the following way:

- Chapter 1 is the Executive Summary.
- Chapter 2 (this section) provides an introduction of the document including the purpose and scope.
- Chapter 3 lists all reference and applicable documents.
- Chapter 4 describes the status of the project consortium.
- Chapter 5 details the activities developed for each of the Work Packages (WP).
- Chapter 6 lists the deliverables completed during this period.
- Chapter 7 list the meetings held.
- Chapter 8 contains the actions raised and their status
- Finally, Chapter 9 describes the risks identified and the mitigation measures.

## 3. References

### 3.1. Applicable Documents

The following table provides the list of documents that are applicable within the scope and purpose of this document.

Id.	Title	Reference	Issue	Date
[AD.1]	Grant Agreement for the action entitled Galileo Information Centre in the United Mexican States, Central America, and the Caribbean	307/G/GRO/SAT/19/11167-2	--	December 2020
[AD.2]	PROPOSAL GALIC-MC2 DESCRIPTION OF THE ACTION B6		1.0	January 2020

Table 1: List of applicable documents

### 3.2. Reference Documents

The following table provides the list of reference document that are a reference for the content of this document.

Id.	Title	Reference	Issue	Date
[RD-1]	Project Plan	GICMEXICO-D6.1	1.0	21/04/2021
[RD-2]	Progress Report (M1)	GICMEXICO-D6.2.1	1.0	21/04/2021
[RD-3]	Progress Report (M2)	GICMEXICO-D6.2.2	1.0	26/07/2021
[RD-4]	Progress Report (M3)	GICMEXICO-D6.2.3	1.1	17/12/2021
[RD-5]	Progress Report (M4)	GICMEXICO-D6.2.4	1.0	10/03/2022
[RD-6]	Progress Report (M5)	GICMEXICO-D6.2.5	1.0	23/05/2022

[RD-7]	Progress Report - Mid Term Review	GICMEXICO-D6.2.6	1.0	22/09/22
[RD-8]	Progress Report (M6)	GIC MEXICO-D6.2.7	1.0	21/10/2022
[RD-9]	Progress Report (M7)	GIC MEXICO-D6.2.8	1.0	20/01/2023
[RD-10]	GNSS downstream market in Mexico and in the region	GICMEXICO-D1.1	1.1	24/01/2022
[RD-11]	GNSS stakeholders in Mexico and in the region	GICMEXICO-D1.2	1.1	24/01/2022
[RD-12]	Contacts dataset	GICMEXICO-D1.3	2.3	20/01/2023
[RD-13]	Communication strategy for Mexico and the region	GICMEXICO-D2.1	1.2	20/01/2023
[RD-14]	Project documentation	GICMEXICO-D2.2	1.3	20/01/2023
[RD-15]	Report GNSS conferences and trade exhibitions	GICMEXICO-D2.5	1.4	20/01/2023
[RD-16]	Plan for development of GNSS-related application and services in Mexico and in the region.	GICMEXICO D3.1	1.2	20/01/2023
[RD-17]	Training report on the organization of training seminars in GNSS	GICMEXICO D4.1	1.1	21/07/2022
[RD-18]	List of theses started during the project and related publications	GICMEXICO D4.2	1.0	21/07/2022
[RD-19]	List of internships	GICMEXICO-D4.3	1.0	28/01/2022
[RD-20]	Course Materials	GICMEXICO-D4.4	1.1	21/07/2022
[RD-21]	Galileo demonstrator report	GICMEXICO-D4.5	1.0	21/07/2022
[RD-22]	Report on the organisation of matchmaking events on GNSS between stakeholders from the EU and Mexico and the region.	GICMEXICO-D5.1	1.3	20/01/2023

[RD-23]	Report on the liaison activities with other Galileo Information centres in Latin America	GICMEXICO-D6.4	1.4	20/01/2023
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Table 2: List of reference documents

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## 4. Status of the project consortium

The objective of this section is to present the status of the project consortium at this milestone, as a result of the departure of one of the initial partners of the project.

An amendment of the Grant Agreement will be proposed to the EC in the coming week, stating that Telespazio Iberica will take over the effort from Everis ADS and will carry on with all their tasks with the support of a local subcontractor, the Agencia Espacial Mexicana (AEM). In fact, since the exit of Everis ADS from the project on 31 January 2022, Telespazio Iberica has taken over the activities of Everis ADS so as to guarantee the continuation of the project activities.

The actual status of the project activities, considering this situation, is detailed in the sections below.

## 5. Progress of the project activities

This section details the status of the project tasks and describes the activities developed from the MTR to the M6.

### 5.1.WP1000 – Identification of relevant markets and stakeholders

The activities within this WP are the project first step that set the grounds for the rest of activities. This WP aims at gathering the key market elements in the area, create and maintain a database of stakeholders and particular contacts within the region, so that the diverse adoption actions can be adequately directed.

Continuous monitoring of different market segments, stakeholders and PoCs is carried out and several updates of the documents has been delivered to the European Commission this reporting period.



**Figure 1: Activities within WP1000**

The WP1000 activities developed during this period are detailed below:

#### ***Task 1100: Monitoring the Latin American market and local GNSS initiatives***

The project team continues monitoring the different market segments through the different project activities. No additional updates have been found to update this market analysis during this period.

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### ***Task 1200: Mapping the key GNSS players and stakeholders***

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The project team continues monitoring the different GNSS stakeholders in the region through the different project activities. Additional stakeholders contact info has been included directly in the database (see below).

### ***Task 1300: Elaboration of a contact database to feed the centres' activities.***

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The database in Excel format has been updated with the new contacts made in this period: EU representatives in the region, new members of the Working Groups, members of SIRGAS project and registered/attendants to the organized webinars.

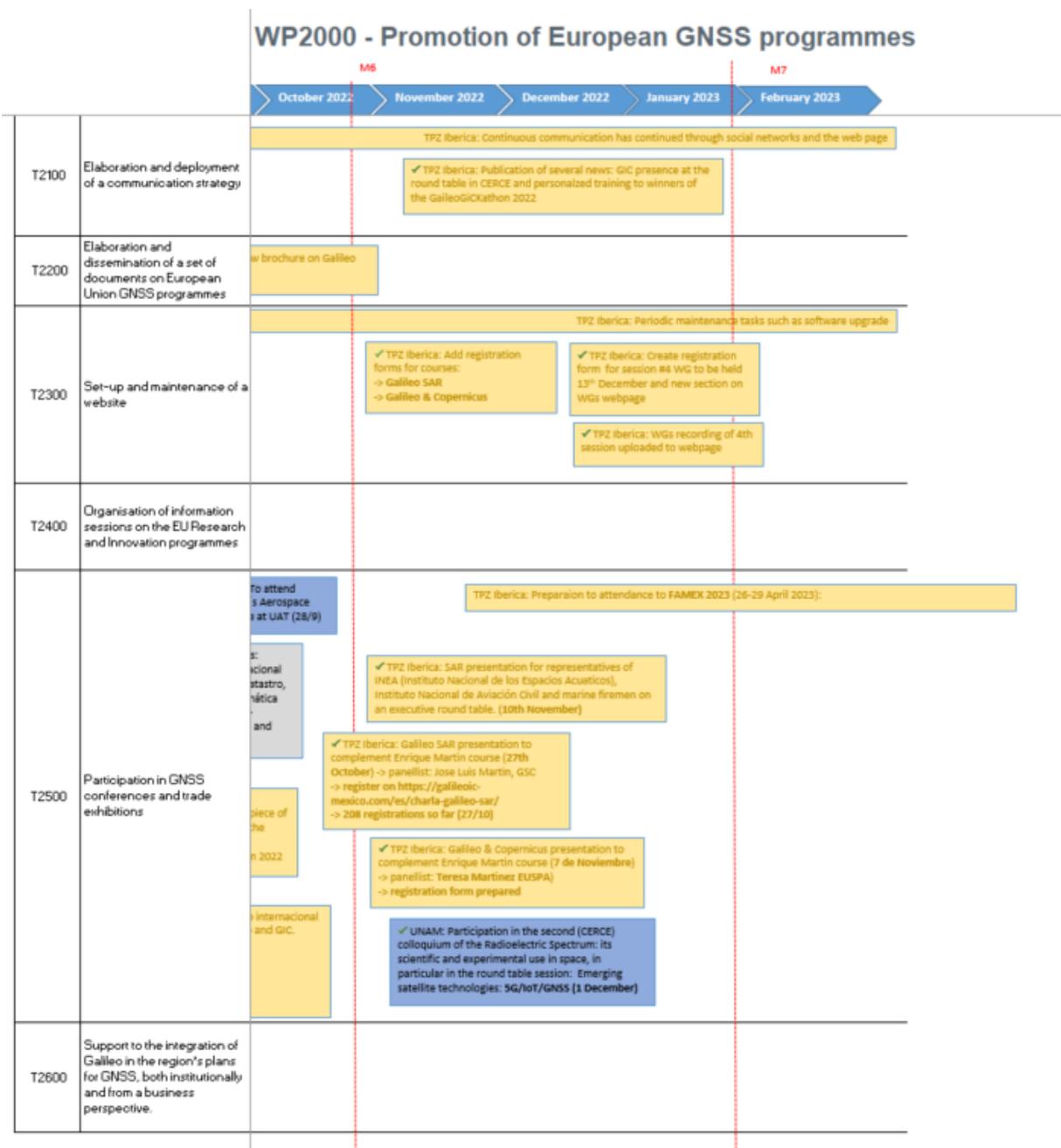
**GICMEXICO-D1.3-Contact Details.xlsx** has been delivered to the EC on 20<sup>th</sup> January 2023.

It will be updated with new contacts found through the project activities.

## **5.2.WP2000 – Promotion and awareness raising of European GNSS programmes**

The objective of this Work Package is to disseminate information concerning European GNSS programs (description, results and milestones) and related applications through specific activities as publications, webinars or attendance to exhibitions and congresses.

Continuous communication has continued through social networks and the web page: 1 new post on social networks and a total of 6 GNSS related and GIC relevant news published in the GIC web page. Ad-hoc material has also been developed such as the presentations used in the events and meetings that the GIC has organised or participated in. It has participated in 5 events and the participation in FAMEX2023 is being prepared.



**Figure 2: Activities within WP2000**

The WP2000 activities related to promotion and awareness activities on EGNSS programmes that have been developed during this period are detailed below:

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### ***Task 2100: Elaboration and deployment of a communication strategy***

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Continuous communication has continued through social networks and the web page (in line with the Communication strategy)

In this last period the following news has been published on the website (<https://galileoic-mexico.com/news/>)

- Official EU visit to the Galileo Information Centre for Mexico, Central America, and the Caribbean (01/11/2022)
- GIC participated in the International Congress of Engineering and Geoeconomics organized by ENES Juriquilla (UNAM) (04/11/2022)
- The GIC introduced Galileo's SAR Service (16/11/2022)
- Second Horizon Europe call igniting innovative space downstream applications (23/11/2022)
- GIC Mexico was present at the CERCE (12/12/2022)
- Mentoring programme for the winners of the #GalileoGICkathon 2022 (21/12/2022)

And on social networks the following has been published (<https://twitter.com/GalileoICMexico> <https://www.linkedin.com/company/galileo-information-centre-mexico/>)

- Announcement of the GIC's participation in the Second Colloquium on the Radioelectric Spectrum: its scientific and experimental use in space (29/11/2022)

The communication activities developed so far are evaluated as positive and the project will maintain these activities in line with the defined strategy.

**GICMEXICO-D2.2-Project documentation.pdf** has been delivered to the EC on 20<sup>th</sup> January 2023.

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### ***Task 2200: Elaboration and dissemination of a set of documents on European Union GNSS programmes***

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Ad-hoc material has also been developed such as the presentations used in the events and meetings that the GIC has organised or participated in:

- Presentation used in International Congress on Engineering and Geoeconomics 2022 (24-28/10/2022)
- Several presentations used in webinars on SAR and Copernicus in Venezuela (27/10/2022, 07/11/2022, 10/11/2022)

- Several documents used in the organization and conduct the Sesion#4 Working Groups (13/12/2022)
- Presentation used in SIRGAS Project Meeting (12/01/2023)

**GICMEXICO-D2.2-Project documentation.pdf** has been delivered to the EC on 20<sup>th</sup> January 2023.

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***Task 2300: Set-up and maintenance of a website***

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This task deals with the development and maintenance of the GIC website (<https://galileoic-mexico.com/>). In this last period:

- 6 news were published in the news section (in English and Spanish)
- The Matomo report for the GIC Mexico website for this last period can be found in Annex 1 of this document.

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***Task 2400: Organisation of information sessions on the European Union's Research and Innovation programmes***

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No opportunities have been identified to further explain to stakeholders in the region the Horizon Europe opportunities.

The project team proposes to agree with EC officer on the way forward regarding this task at the next progress meeting.

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***Task 2500: Participation in GNSS conferences and trade exhibitions***

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The events and conferences attended by the GIC Mexico team in the last three months:

- International Congress on Engineering and Geo-economics 2022 (CIIG 2022) (24-28/10/2022).
- Third International course Management of Search and Rescue Operations (SAR) at the Organización Rescate Humboldt from Venezuela (27/10/2022 and 07/11/2022)
- Positioning and Location for Distress, Rescue and Maritime Safety at Instituto Nacional de Espacios Acuáticos from Venezuela (10/11/2022)
- Second Colloquium on the Radioelectric Spectrum: its Scientific and Experimental use in space (01-02/12/2022)

The GIC Team keeps monitoring other relevant events that could be attended in the coming weeks or months. At the moment it is planned to participate in:

- FAMEX2023. This event is scheduled to take place from the 26<sup>th</sup> to the 29<sup>th</sup> of April 2023 in Mexico. The organisation of the attendance has begun.

**GICMEXICO-D2.5-Report GNSS conferences and trade exhibitions.pdf** has been delivered to the EC on 20<sup>th</sup> January 2023.

### ***Task 2600: Support to the integration of Galileo in the region's plans for GNSS***

This task, that was lead and planned to be developed by Everis, was initially planned to start at milestone M4 (T0+12m). However, the departure of Everis from ADS did not allow to start it and caused a delay in this activity.

As explained in section 4, an amendment of the Grant Agreement is to be proposed to the EC in the coming days, with Telespazio Iberica assuming the activities initially assigned to Everis.

So, Telespazio Ibérica will develop this activity, with the local support of the AEM (Agencia Espacial Mexicana)

A first/preliminary deliverable of this task is planned to be ready by T0+30months. The schedule has been adapted to the delay caused by the departure of Everis and the reorganisation of the team and proposal of an amendment.

## **5.3.WP3000 – Facilitate the development of GNSS-related applications**

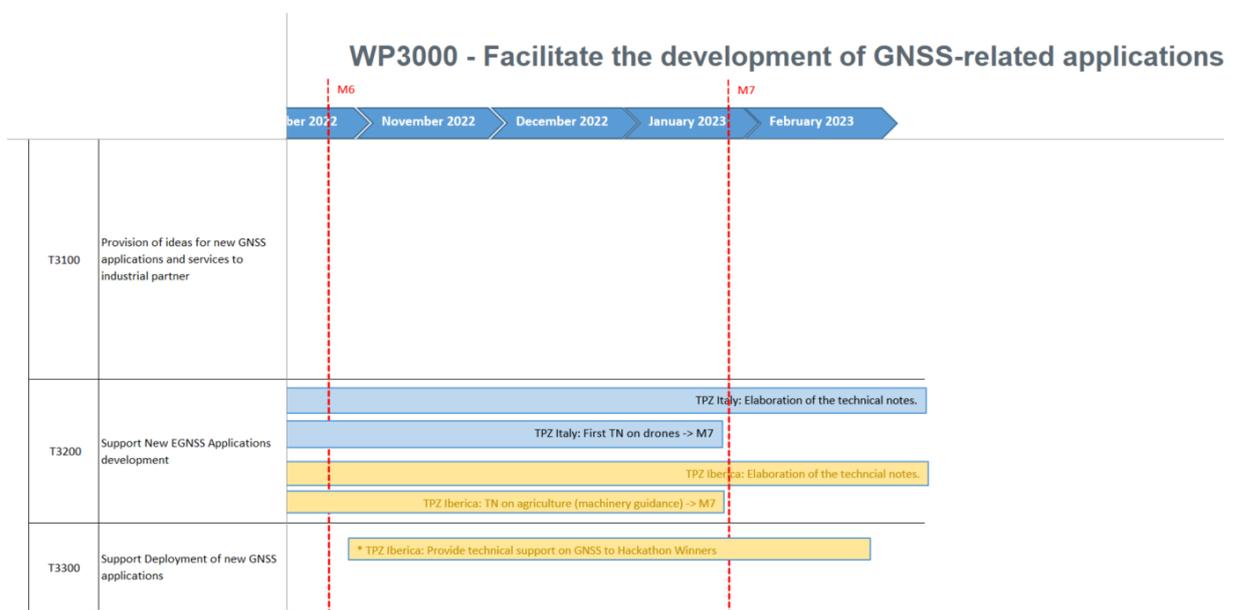
The WP3000 objective is to promote and facilitate the development and deployment of EGNSS related applications, to ensure support to the users in United Mexican States, Central America and the Caribbean, facilitating the cooperation between local and European industrial actors.

The project team believed that the best way to help the regional stakeholders in the identification and development of GNSS applications and solutions was through the existing EGNSS knowledge in the consortium transmitted to these stakeholders in the form of technical notes describing the details of potential applications.

Companies in charge of this WP are currently working on the preparation of six technical notes, one for each identified Galileo based applications. At this point in

the project, two of these technical notes have already been developed and delivered to the EC: Drones and agriculture applications. The technical notes will explain the different application using GNSS technology and the possibilities to introduce the usage of GALILEO in the existing technologies available in Mexico, Central America and the Caribbean. Some of the companies already present in the area with similar solutions are also reported together with the possible steps needed for full implementation of this application in the covered area.

Another task that has been carried out as technical support to the development of solutions has been the delivery of 9 technical support sessions to the winners of the GalileoGICkathon 2022.



**Figure 3: Activities within WP3000**

The WP 3000 activities developed during this period are detailed below:

***Task 3100 - Provision of ideas for new GNSS applications and services to industrial partner***

The following table shows the list of potential ideas for GNSS applications that could be developed in the region and the data gathered during the poll phase after the questionnaire's release in the frame of this task.

Road	GIC Mexico Assessment	Poll Assessment
Navigation	✓	✓
Fleet management	✓	✓

<b>Manned Aviation</b>		
Navigation	✓	✓
<b>Agriculture</b>		
Farm/agriculture machinery guidance	✓	✓
Livestock tracking and virtual fencing	✓	✗
Field, land, sensor monitoring	✓	✓
<b>Geomatics</b>		
Cadastral	✓	✓
Cartography & Mapping	✓	✓
<b>Drones</b>		
Precision Agriculture	✓	✓
Infrastructure monitoring	✓	✓

**Table 3: List of potential applications comparison**

During the Session #4 of the Working Groups (13/12/22) the GIC Mexico Team submitted another questionnaire in order to validate the high-level user requirements among the attendees of the session. The questionnaire was accessible online through the following link, in anonymous way: <https://forms.office.com/r/n86gimhyqn>

**GICMEXICO-D3.1-Plan for development of GNSS related application .pdf** has been delivered to the EC on 20<sup>th</sup> January 2023.

### ***Task 3200 - Support New EGNSS Applications development***

Now that objective applications have been identified (see task above) the project team is beginning to work in defining particular technical notes (up to 6) that will serve as a tool for local stakeholders to be informed about the technical details of the selected applications and as a reference for the development of GNSS solutions in the region.

The first two technical notes focused on Drones and agriculture applications have already been developed and delivered together with the deliverable **D3.1**, the 20<sup>th</sup> January 2023.

### ***Task 3300 - Support Deployment of new GNSS applications based on Galileo***

As in the task above, the effort in this task will be also devoted to completing the technical notes on the potential applications identified and to providing technical support and mentoring to initiatives in the region aiming at the implementation and deployment GNSS solutions.

Part of the effort of this task has also been devoted to providing technical support sessions to the three winners of the GalileoGICkathon 2022. A total of 9 sessions were held: 14, 15, 18, 21, 23 and 24 November, 15, 16 and 19 December.

## 5.4.WP4000 – Education and training on GNSS-related issues

The objective of this WP is to foster the collaboration between EU and the region (Mexico, Central America and the Caribbean) at academic level, supporting the organisation of courses and training sessions in the field of GNSS technology and applications.

The upcoming UNAM GNSS course will be offered to UNAM undergraduate and postgraduate students for the next academic year (2023 semester 2 which runs from the 30<sup>th</sup> of January till the 26<sup>th</sup> May 2023).

In addition, part of the course that has been prepared in an inter-semester course at UNAM will also be given on February 1, 2, 3, 6 and 7, 2023.

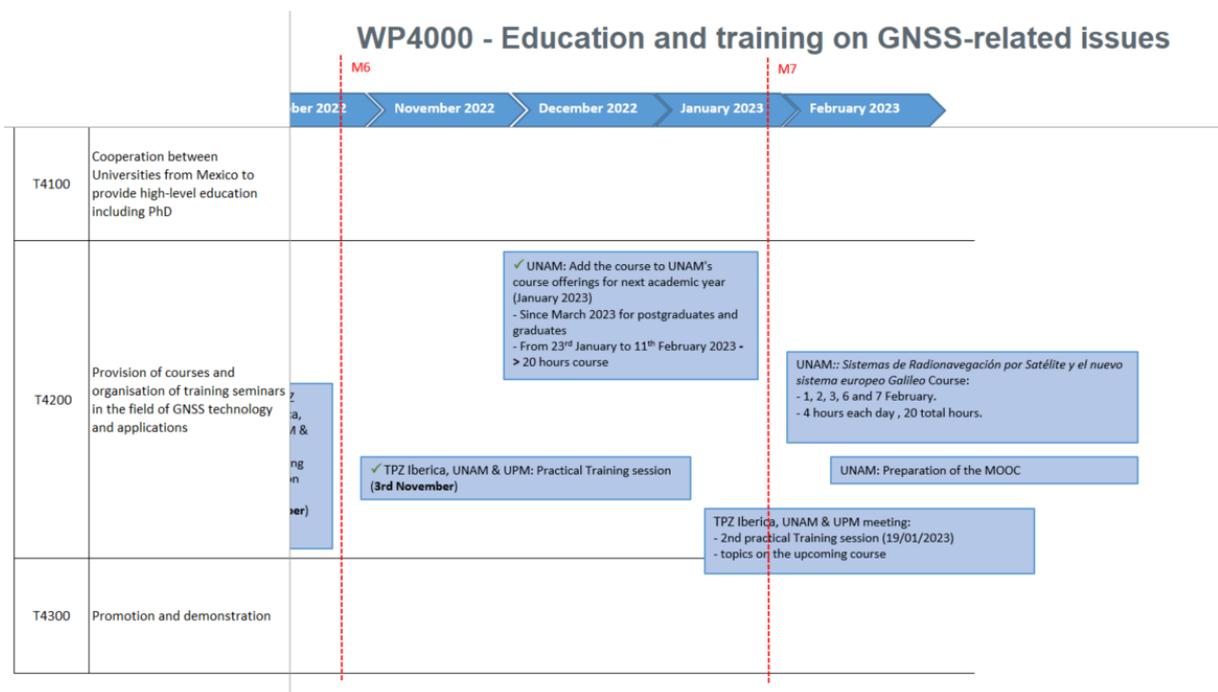


Figure 4: Activities within WP4000

The WP4000 activities developed during this period are detailed below:

***Task 4100: Cooperation between Universities from Mexico to provide high-level education including PhD***

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This task focuses on the cooperation between UPM and UNAM, in order to define and plan the WP activities related to training, adapted to the needs and availability of involved personnel.

Within this task, the contents of capacitation course for UNAM professors was defined, as well as the contents of the UNAM undergraduate and postgraduate courses. The UPM and UNAM staff have prepared a preliminary list of Galileo-related topics for thesis at undergraduate and postgraduate levels.

Regarding the development of internships related to GNSS with relevant reference companies in the region, the UNAM continues working in establishing agreements and a collaboration framework with companies in the region. Consequently, until these agreements are in place and actual internships are consolidated, the project team proposes to delay the delivery of D4.3 till the next milestone. .

***Task 4200 - Provision of courses and organisation of training seminars in the field of GNSS technology and applications***

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The preparation of the course for the faculties of the UNAM is on-going.

- Part 1. Fundamentals of GNSS systems
- Part 2. EGNSS: Galileo and EGNOS
- Part 3. Galileo Signals in Space
- Part 4. GNSS receivers
- Part 5. Workshop: u-blox receiver

The materials of the first four parts have already been prepared and reviewed by the EC. A theoretical session was held on 20<sup>th</sup> October 2022 and a practical session on 3<sup>rd</sup> November between the two universities so that the UNAM raises doubts about the content of the course content and the UPM can resolve them. A second practical session will be held in the coming weeks.

Regarding the dates, the UNAM GNSS course is planned for the next academic year (2023 semester 2 which runs from the 30<sup>th</sup> of January till the 26<sup>th</sup> May 2023).

In addition, part of the course that has been prepared in an inter-semester course at UNAM will also be given on February 1, 2, 3, 6 and 7, 2023.

At the same time, it is also planned to offer this course as a MOOC, so that other universities and other stakeholders in the objective region have access to this valuable content.

The update of D4.3-List of internships could not be implemented. During this period, efforts have been focused on preparing and organising the delivery of the course. For this reason, the list of internships could not be advanced, but some conversations are already being held with some entities interested in collaborating.

### ***Task 4300 - Promotion and demonstration activities related to training***

This task is focused on the definition of the demonstrator for the activities to be developed in the frame of this task. The option chosen has been to acquire a U-blox receiver for this hands-on training within the courses.

Practical sessions on demonstration activities are being coordinated between the UNAM and UPM so as to organise the hands-on lessons to be provided during the UNAM courses.

In addition to the demonstrator, different internal promotion activities have been developed by the UNAM staff in order to promote internally within the University the GIC activities and the EGNSS Programmes.

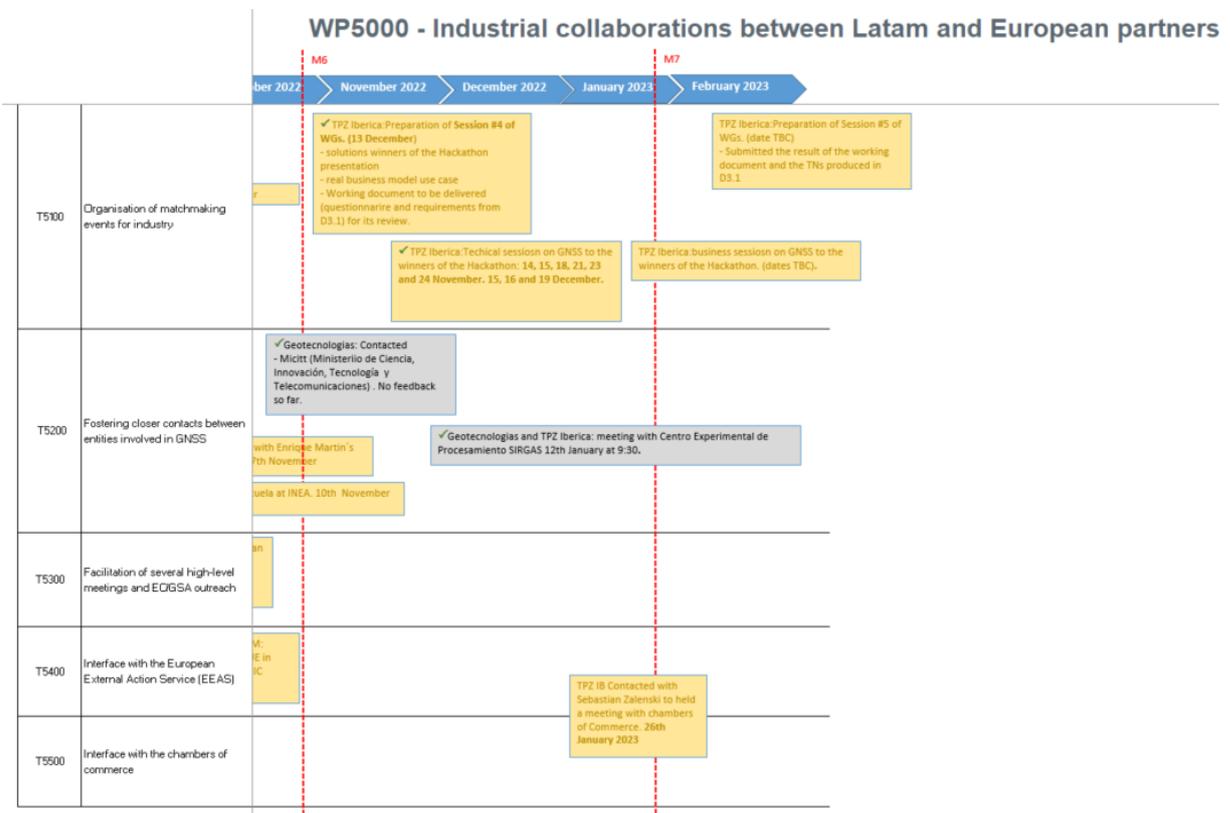
## **5.5.WP5000 – Facilitation of joint industrial collaborations between Latin American and European partners**

The objective of this Work Package is to boost the competitiveness of EU industry and local industry by fostering the collaboration between European and local companies and supporting the identification of strategic partnerships and business opportunities.

Working Groups are set up as a mean to address some of the ongoing activities and issues for the dissemination and use of EGNSS in Mexico, Central America and the Caribbean. These Working groups are set up to:

- a) Enhance local awareness and understanding of the European GNSS (EGNSS) services.
- b) Facilitate local development of EGNSS-based services and applications, namely by identifying and fostering ways into which local opportunities, stakeholders and human talent may come together.
- c) Fostering closer contacts between entities involved in GNSS and facilitate alliances between EU and local counterparts both in industry and academy.

In this reporting period emphasis was placed mainly on the organization of the Sesión#4 of Working Groups. Also highlight the official visit of the EU to the GIC HQ and the meeting with members of the SIRGAS project.



**Figure 5: Activities within WP5000**

The WP5000 activities developed during this period are detailed below:

***Task 5100: Organisation of matchmaking events for industry***

Regarding the Working Groups, in this last period, Session #4: “The materialisation of a business idea” has been held on 13<sup>th</sup> December 2022. This session presented: winning solutions GalileoGICkathon 2022, real case materialisation of a business idea, Working document and CONACyT funds and support.

A Session #5 of the Working Groups is planned to be held the next months.

***Task 5200: Fostering closer contacts between entities involved in GNSS***

In the frame of this task, a meeting was held on 12 January 2023 with members of the SIRGAS project to introduce them to the GIC and Galileo.

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### ***Task 5300: Facilitation of several high-level meetings and EC/GSA outreach***

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In terms of high-level meetings with regional entities in this last period, efforts have focused on

- the incorporation of the AEM into the Consortium
- Search for other institutions interested in GNSS in Central America.

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### ***Task 5400: Interface with the European External Action Service (EEAS)***

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The following interaction between the GIC project/EC and the EEAS entities has taken place during this last period:

- Official EU visit to the GIC HQ (the UAT in the UNAM) scheduled the 24<sup>th</sup> October 2022. The visit was attended by Mr. Gautier Mignot (EU ambassador to Mexico), Mr. Sebastián Zaleski (delegate of the EU Economic and Trade Section in Mexico), Mr. Benjamín Aguillón (the representative of the Government of Querétaro – SEDESU) and Mr. Antonio Velázquez (Director of the Aeroclúster of Querétaro).

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### ***Task 5500: Interface with the chambers of commerce***

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With the support of the EU Delegations in the region, a meeting with the Chambers of Commerce of Mexico, Central America and the Caribbean will be held on 26 January 2023 to present the GIC.

**D5.1 - Report on the organisation of matchmaking events on GNSS between stakeholders from the EU and Mexico and the region** has been delivered to the EC on 20<sup>th</sup> January 2023.

## **5.6.WP6000 – Management**

The WP6000 activities developed during this period are detailed below:

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### ***Task 6100: Contractual management***

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Contractual and project management continues as planned.

The M6 Progress Meeting was held the 8<sup>th</sup> of November 2022. The project team prepared and presented different slides during the meeting and shared their

impressions during this last period. The meeting minutes were generated and delivered to the EC the 01 of December 2022.

The eighth Progress report (this document) has been generated and delivered to the EC the 20<sup>th</sup> of January 2023.

### ***Task 6200: Management of the Centre's own documents***

---

The management of the project and GIC's documentation continues as planned.

During this period, the project team has managed all the communication material and developed and updated different deliverables that have been delivered to the EC at the corresponding milestone.

All this information has been submitted by mail and is also gathered in the following ftp folder:

- **Server: ftp2.telespazio.es**
- **User name: GicMexico**
- **Password: ReogaNgunu21**

### ***Task 6300: Management of interfaces with other Galileo Information Centres in Latin America and the GSC***

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Regarding the coordination with the other GICs in Latin America:

- No meetings have been held with the other GICs in Latin America because both GIC Brazil and GIC Chile have already finished their activities.

Regarding the coordination with GSC, the following activities have been developed:

- Participation of GSC expert in the Sessions on Galileo SAR for the training course organised by the Organización Rescate Humboldt (Venezuela) the 27<sup>th</sup> October
- Participation of GSC expert in the Sessions on Galileo SAR organised by the Instituto Nacional de los Espacios Acuáticos (Venezuela) the 10<sup>th</sup> November 2022.

**D6.4 - Report on the liaison activities with other Galileo Information centres in Latin America** has been delivered to the EC on 20<sup>th</sup> January 2023.

## 5.7. Summary of progress

This section presents in a summary table the achieved progress for the different project tasks, considering the work developed till the 20<sup>th</sup> October 2022 and the objectives of each of the different work packages:

WP No.	Task	Status	Progress (%)
WP 1000	Task 1100: Monitoring the Latin American market and local GNSS initiatives	Ongoing	95%
	Task 1200: Mapping the key GNSS players and stakeholders	Ongoing	95%
	Task 1300: Elaboration of a contact database to feed the centres' activities	Ongoing	95%
WP 2000	Task 2100: Elaboration and deployment of a communication strategy	Ongoing	
	Elaboration of communication strategy		100%
	Deployment of a communication strategy		70%
	Task 2200: Elaboration and dissemination of a set of documents on European Union GNSS programmes	Ongoing	70%
	Task 2300: Set-up and maintenance of a website	Ongoing	
	Website Set-up		100%
	Website maintenance		70%
	Task 2400: Organisation of information sessions on the European Union's Research and Innovation programmes	Started	30%
	Task 2500: Participation in GNSS conferences and trade exhibitions	Ongoing	70%
	Task 2600: Support to the integration of Galileo in the region's plans for GNSS	Not started	0%
WP 3000	Task 3100 - Provision of ideas for new GNSS applications and services to industrial partner	Ongoing	100%
	Task 3200 - Support New EGNSS Applications development	Not started	35%
	Task 3300 - Support Deployment of new GNSS applications based on Galileo	Not started	25%

WP No.	Task	Status	Progress (%)
WP 4000	Task 4100: Cooperation between Universities from Mexico to provide high-level education including PhD	Ongoing	60%
	T4200 - Provision of courses and organisation of training seminars in the field of GNSS technology and applications	Ongoing	60%
	T4300 - Promotion and demonstration activities related to training	Ongoing	60%
WP 5000	Task 5100: Organisation of matchmaking events for industry	Ongoing	75%
	Task 5200: Fostering closer contacts between entities involved in GNSS	Ongoing	60%
	Task 5300: Facilitation of several high-level meetings and EC/GSA outreach	Ongoing	50%
	Task 5400: Interface with the European External Action Service (EEAS)	Ongoing	55%
	Task 5500: Interface with the chambers of commerce	Not started	10%
WP 6000	Task 6100: Contractual management	Ongoing	68%
	Task 6200: Management of the Centre's own documents	Ongoing	68%
	Task 6300: Management of interfaces with other Galileo Information Centres in Latin America and the GSC	Ongoing	92%

**Table 4: Summary of tasks' progress**

## 6. Deliverables

The next table summarises the project deliverables indicating (**in bold**) which of them have been delivered to EC since the beginning of the project.

All this information has been submitted by mail and is also gathered in the ftp folder of the project (ftp2.telespazio.es).

WP	Deliverable	Due date or periodicity	Status	Date
1000	<b>D1.1 - GNSS downstream market in Mexico and in the region.</b>	T0+6 T0+12 <b>T0+24</b>	Delivered Updated <b>No updated</b>	22/07/2021 24/01/2022
1000	<b>D1.2 - GNSS stakeholders in Mexico and in the region.</b>	T0+6 T0+12 <b>T0+24</b>	Delivered Updated <b>No updated</b>	22/07/2021 24/01/2022
1000	<b>D1.3 - Contacts dataset.</b>	T0+6 T0+12 T0+21 <b>T0+24</b> T0+36	Delivered Updated Updated <b>Updated</b>	22/07/2021 26/01/2022 21/10/2022 <b>20/01/2023</b>
2000	<b>D2.1 - Communication strategy for Mexico and the region, and update.</b>	T0+3 T0+12 <b>T0+24</b>	Delivered Updated <b>Updated</b>	21/04/2021 28/01/2022 <b>20/01/2023</b>
2000	<b>D2.2 - Project documentation (brochures) and update.</b>	T0+6 T0+12 <b>T0+24</b>	Delivered Updated <b>Updated</b>	22/07/2021 09/03/2022 <b>20/01/2023</b>
2000	<b>D2.3 - Website.</b>	T0+6 T0+12 <b>T0+24</b>	Delivered Updated <b>Updated</b>	28/05/2021 28/01/2022 <b>20/01/2023</b>
2000	<b>D2.4 - Web User Guide.</b>	T0+6	Delivered	22/07/2021
2000	<b>D2.5 - Report GNSS conferences and trade exhibitions.</b>	T0+6 T0+12 <b>T0+24</b> T0+36	Delivered Updated <b>Updated</b>	22/07/2021 28/01/2022 <b>20/01/2023</b>

WP	Deliverable	Due date or periodicity	Status	Date
2000	D2.6 - Roadmap for Galileo in the region's plans for GNSS.	T0+18 T0+36	Not started	Delayed
3000	<b>D3.1 - Plan for development of GNSS-related application and services in Mexico and in the region.</b>	T0+6 T0+15 <b>T0+24</b> T0+36	(ToC) Delivered Updated <b>Updated</b>	22/07/2021 23/05/2022 <b>20/01/2023</b>
4000	<b>D4.1 - Training report on the organisation of training seminars in GNSS.</b>	T0+6 T0+18 T0+36	Delivered Updated	22/07/2021 22/07/2022
4000	<b>D4.2 - List of theses started during the project and related publications.</b>	T0+18 T0+36	Delivered	22/07/2022
4000	<b>D4.3 - List of internships.</b>	T0+12 <b>T0+24</b> T0+36	Delivered <b>Delayed</b>	28/01/2022 <b>Delayed</b>
4000	<b>D4.4 - Course materials.</b>	T0+12 T0+18 T0+36	Delivered Updated	28/01/2022 22/07/2022
4000	<b>D4.5 - Galileo demonstrator report.</b>	T0+18 T0+36	Delivered	22/07/2022
4000	D4.6 - Novel ideas for the use of Galileo system.	T0+18 T0+36	Not started	Delayed
5000	<b>D5.1 - Report on the organisation of matchmaking events on GNSS between stakeholders from the EU and Mexico and the region.</b>	T0+16 T0+18 T0+21 <b>T0+24</b> T0+30 T0+36	Delivered Updated Updated <b>Updated</b>	23/05/2022 22/07/2022 21/10/2022 <b>20/01/2023</b>
6000	<b>D6.1 - Project Plan.</b>	T0+3	Delivered	21/04/2021

WP	Deliverable	Due date or periodicity	Status	Date
6000	D6.2.1 - Progress report (M1).	T0+3 (M1)	Delivered	21/04/2021
	D6.2.2 - Progress report (M2).	T0+6 (M2)	Delivered	22/07/2021
	D6.2.3 - Progress report (M3).	T0+9 (M3)	Delivered	26/10/2021
	D6.2.3 - Progress report (M3).	T0+12 (M4)	Updated	17/12/2021
	D6.2.4 - Progress report (M4)	T0+16 (M5)	Delivered	10/03/2022
	D6.2.5 - Progress report (M5)	T0+18 (MTR)	Delivered	23/05/2022
	D6.2.6 - Progress report (MTR)	T0+21 (M6)	Delivered	22/07/2022
	D6.2.7 - Progress report (M6)	<b>T0+24 (M7)</b>	Delivered	21/10/2022
	D6.2.8 - Progress report (M7)		<b>Delivered</b>	<b>20/01/2023</b>
6000	D6.3 - Project logo, website design and templates.	T0+3	Delivered	21/04/2021
6000	D6.4 - Report on the liaison activities with other Galileo Information centres in Latin America.	T0+6	Delivered	22/07/2021
		T0+12	Updated	27/01/2022
		T0+18	Updated	22/07/2022
		<b>T0+24</b>	<b>Updated</b>	<b>20/01/2022</b>
		T0+30		
6000	D.6.5.1 - Progress meeting minutes (KOM).	T0 (KOM)		
	D.6.5.2 - Progress meeting minutes (M1).	T0+3		
	D.6.5.2 - Progress meeting minutes (M2).	T0+6	Delivered	01/02/2021
	D.6.5.3 - Progress meeting minutes (M3)	T0+9	Delivered	30/04/2021
	D.6.5.4 - Progress meeting minutes (M4)	T0+12	Delivered	26/07/2021
	D.6.5.5 - Progress meeting minutes (M5)	T0+15	Delivered	28/01/2022
	Progress meeting Mid Term Review minutes (MTR)	T0+18	Delivered	05/05/2022
	D.6.5.6 - Progress meeting minutes (M6)	<b>T0+21</b>	Delivered	20/06/2022
			Delivered	22/09/2022
			<b>Delivered</b>	<b>01/12/2022</b>

Table 5: Project deliverables status

## 7. Meetings and milestones

This section presents the meetings (and associated milestones) that have taken place throughout the project, highlighting those that have been held since the last reporting period:

ID	Milestone	Date	ID	Meeting	Location	Status
KOM	Kick-off-meeting	21/01/2021	KOM	Kick Off Meeting	Online	Held
M1	Planning phase - Project Review #1	26/04/2021	PM1	Progress meeting #1	Online	Held
M2	Project Review #2	17/09/2021	PM2	Progress meeting #2	Online	Held
M3	Project Review #3	20/12/2021	PM3	Progress meeting #3	Online	Held
M4	Project Review #4	20/04/2022	PM4	Progress meeting #4	Online	Held
M5	Project Review #5	01/06/2022	PM5	Progress meeting #5	Online	Held
MTR	Midterm review	06/09/2022	MTR	Midterm review	Online	Held
M6	Project Review #6	08/11/2022	PM6	Progress meeting #6	Online	Held
M7	Project Review #7	24/01/2023	PM7	Progress meeting #7	Online	Planned

**Table 6: Project meetings**

In addition to the formal planned meetings indicated in the table above, weekly calls between the EC technical officer and the Project Coordinator have taken place to monitor the progress of the different activities.

## 8. Actions

This section presents the actions raised throughout the project indicating their status, responsible, due date and describing the activities developed in order to have them closed.

ID	Action Description	Source	Responsible	Status	Due date	Comments
AI-1	Set up a formal presentation meeting between the GIC of Mexico representatives and the GSC.	KOM	EC and TPZIB	Closed	15/02/2021	Meeting with GSC representatives scheduled to take place the 3 <sup>rd</sup> February 2021
AI-2	To send to EC the updated CVs of the new resources from Everis allocated to the project activities.	KOM	Everis	Closed	28/02/2021	Everis Cvs sent to EC the 16 <sup>th</sup> October 2021
AI-3	To confirm the anticipation of the Centre Opening day (in 40-50 days).	KOM	TPZ IB	Closed	11/02/2021	Kick-off webinars held the 22 <sup>nd</sup> , 23 <sup>rd</sup> and 25 <sup>th</sup> of March 2021
AI-4	To set up a formal presentation/coordination meeting between the three GICs in Latam (in 10 days approximately).	KOM	EC and TPZIB	Closed	15/02/2021	Meeting with other GICs representatives scheduled to take place the 3 <sup>rd</sup> February 2021

ID	Action Description	Source	Responsible	Status	Due date	Comments
AI-5	To organise an internal meeting between EC, UPM, UNAM and the project Coordinator, to address the way to approach the Mexican Space Agency and the cooperation framework/activities to be put in place	PM1	EC, TPZIB, UPM, UNAM	Closed	27/05/2021	Webinar#4 held the 14th of July 2021 with the AEM.
AI-6	To organise a coordination meeting between GSC and UNAM to address the received technical questions and other potential technical doubts regarding Galileo.	PM1	TPZIB, UNAM	Closed	20/05/2021	
AI-7	To check with EUSPA the possibility to provide a GICs presentation at the next European Space Week 2021.	PM2	TPZIB	Closed	30/09/2021	EUSPA confirmed that the European Space Week is not being organised for 2021.
AI-8	To coordinate the presentation for the European Space Week 2021 with GIC Chile and GIC Brazil.	PM2	TPZIB	Closed	30/09/2021	See action above
AI-9	To hold a meeting between EC and WP4000 members to revise the list of contents to be included in the engineering course	PM2	TPZIB, UPM, UNAM, EC	Closed	14/10/2021	Meeting held the 14th October
AI-10	To send the brochures developed in the frame of the GIC Mexico communication activities to Luis Cuervo.	PM4	TPZIB	Closed	28/04/2022	Brochures submitted during a weekly follow up meeting between TPZ IB and DEFIS

ID	Action Description	Source	Responsible	Status	Due date	Comments
AI-11	To upload the events' attendance reports to the GIC website.	PM4	TPZIB	Closed	31/05/2022	Three pieces of news published in May (2/5, 9/5 and 18/5)
AI-12	To talk to GIC Chile coordinator and analyse the possibility of organising a joint-hackathon.	PM4	TPZIB	Closed	26/05/2022	Meeting held on the 26thMay
AI-13	To hold a dedicated meeting with entities involved in the project Morazán and SICA	PM4	TPZIB / Geotecnologías	Open	14/09/2022	Invitation to join the working groups and invitation to hold a meeting sent. No answered so far.
AI-14	To formally inform the AEM that they cannot start working officially as a member of the Consortium until the amendment is signed by both parties.	PM5	TPZIB	Closed	10/06/2022	Meeting held on the the10 <sup>th</sup> of June.
AI-15	Event information to be send to Luis Cuervo to become a panellist and say a few opening words and objectives of the webinar.	PM5	TPZIB	Closed	3/06/2022	Information shared
AI-16	To clarify AEM's future responsibilities and tasks before they start working.	PM5	TPZIB	Closed	10/06/2022	Meeting held on the 10 <sup>th</sup> of June

ID	Action Description	Source	Responsible	Status	Due date	Comments
AI-17	To improve understanding of the potential GNSS applications to be used in the region by organizing a dedicated webinar on Agriculture or creating awareness during the upcoming hackathon, or others.	PM5	TPZIB	Closed	10/09/2022	Hackathon and information webinars held
AI-18	To send the GNSS course (the first three available parts) to EC to be verified.	PM5	TPZIB	Closed	24/06/2022	Not only were the three courses sent but also the fourth. Valuable feedback form EC received
AI-19	To discuss with AEM the performance of their task prior to the start of work.	MTR	TPZIB	Open		
AI-20	To send a reminder to people involved in Morazán project and put EC in copy.	MTR	TPZIB	Closed	6/09/2022	Reminder sent.
AI-21	To prepare a session for the Working Groups introducing the Technical Notes.	M&	TPZIB	Open		

**Table 7: Project actions**

## 9. Risks

The table below presents the risks and mitigation measures identified throughout the project, until this reporting milestone (M6).

Risk	Likelihood/ impact	WP	Mitigation measures
<p>Not addressing project tasks homogeneously for all target countries.</p> <p>Language concerns. Failure to address English-speaking Caribbean countries correctly if all the activities are developed in Spanish</p>	Medium/ medium	All	<p>To control the project activities and the addressed countries. Control mechanisms for each WP evaluating the response from different countries and include it in internal periodic reports.</p> <p>Provide all communication material both in English and Spanish</p> <p>Analyse the attendees registered before the events in order to identify English speakers</p> <p>Offer alternative sessions to English speakers</p>
<p>Matchmaking activities (Working groups) not fit for purpose, with a negative impact on the project results</p>	Low/Medium	WP5000	<p>To control the matchmaking activities attendance and results in order to be able to adapt future sessions to obtain better results</p>

**Table 8: Current risks**

# Annex 1. Matomo Report

## Matomo Report – November 2022 – January 2023

### Visits Summary



Figure 6: website visits summary

### Country

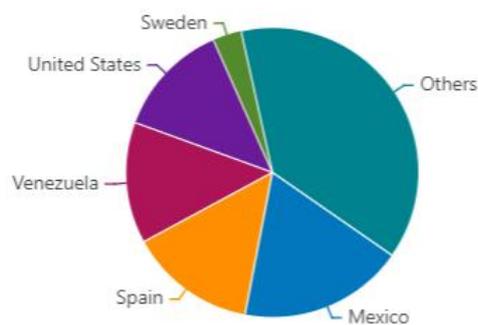


Figure 7: website visits per country

### Device type

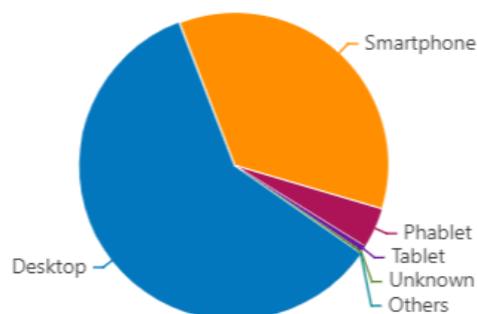


Figure 8: website visits per device type

## Browsers

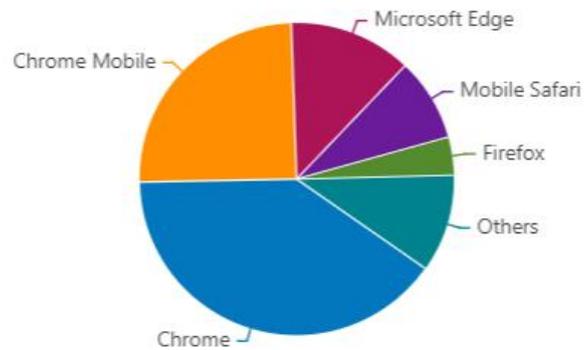


Figure 9: website visits per browser

## Visits per local time

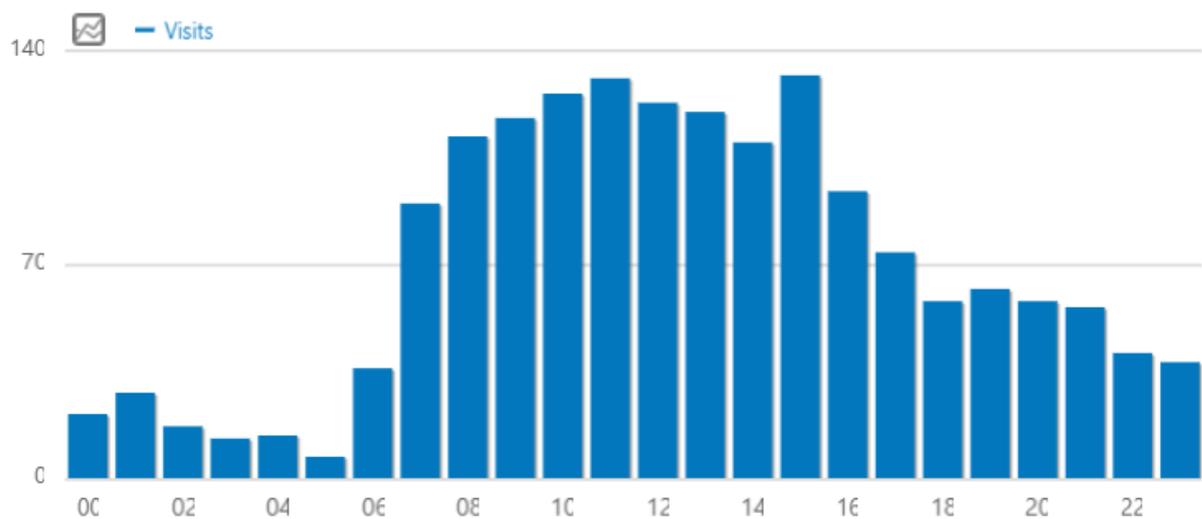


Figure 10: website visits per local time

## Page titles

PAGE TITLES	UNIQUE PAGEVIEWS	EVOLUTION
Charla Galileo & Copernicus – Centro de Información Galileo para México   GIC México	+329	+32900%
Registro charla Galileo & Copernicus – Centro de Información Galileo para México   GIC México	+239	+23900%
Seminario Web – Centro de Información Galileo para México   GIC México	+140	+121.7%
Registro_WG – Centro de Información Galileo para México   GIC México	+116	+1160%
Registro cuarta sesión GT – Centro de Información Galileo para México   GIC México	+62	+100%
exito_unirse_WG – Centro de Información Galileo para México   GIC México	+59	+2950%
Grupo de trabajo – Centro de Información Galileo para México   GIC México	+59	+842.9%
Galileo Information Centre Mexico   GIC Mexico – Galileo constellation information centre	+51	+41.8%

Figure 11: Pages visited (titles)

## Channel Type

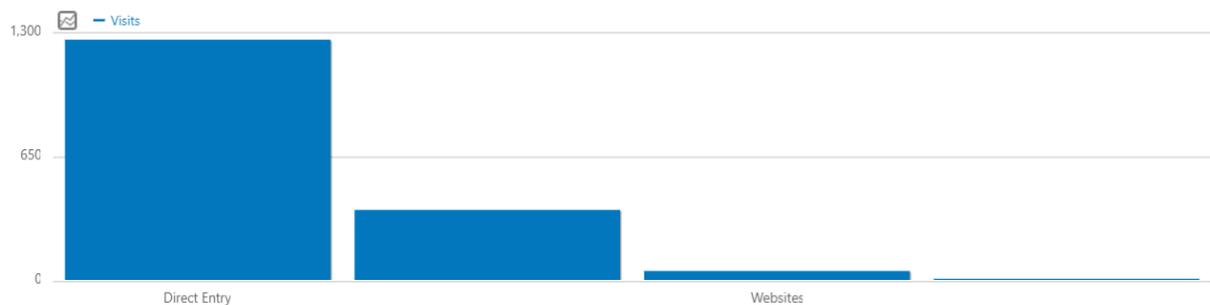


Figure 12: Visits per channel type