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	761708	Work package <b>WP6</b>

EUROPEAN COMMISSION – HORIZON 2020



Accelerating European CPS Solutions to Market

Deliverable D6.1

WP6

Public project website


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## Abstract

This deliverable presents the status of the public website and the social media accounts of the FED4SAE project at the time of M3. FED4SAE website was set by BME integrating contents provided by all partners.


FED4SAE website (<https://fed4sae.eu/>) was set fully operational on November 14, 2017 with all the dedicated services:

- Project description
- Project information
- FED4SAE Industrial Platform and advanced platform description
- FED4SAE Open Call information and management.
- Restricted website for data exchange between partners




Accelerating European CPS Solutions to Market

The public website development and maintenance work will be continuous during the lifetime of the project; consequently this is now just a snapshot of the current status.

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## 1 Introduction

Preparation of the FED4SAE website started immediately after the proposed project has been accepted, before the actual start of the project, as it was known in advance that the project starts with a very heavy workload for the involved partners.

The website was created and is maintained by BME, under the supervision and guidance of CEA, namely Isabelle Dor, the coordinator of the FED4SAE project, and her deputy, Pierre Damien Berger.

The person responsible for the contents is the project coordinator, Isabelle Dor.

The design elements of the website and the social media accounts were created by DIGICAT, showing a uniform modern look of the website, all the collaterals, and of the Facebook, LinkedIn and the Twitter accounts, which are all also operational already.

The public website development and maintenance work will be continuous during the lifetime of the project; consequently this is now just a snapshot of the current status.

## 2 The private website

First the private part of the website has been created <https://fed4sae.eu/pydio> in order to enable **efficient file sharing among the partners**, and enable efficient data transfer. All the project partners gave a list of their co-workers who needed access to the *pydio* site of the project to CEA. The CEA approved list was sent to BME, where usernames were created and sent to all the requested project partners.

From the 1<sup>st</sup> month of the project the *pydio* site efficiently enabled the cooperation of the partners.

New project partners need to ask the access rights from the coordinator, who sends the request to the BME webmaster, who is currently Zoltan Czirkos.


## 3 The public website

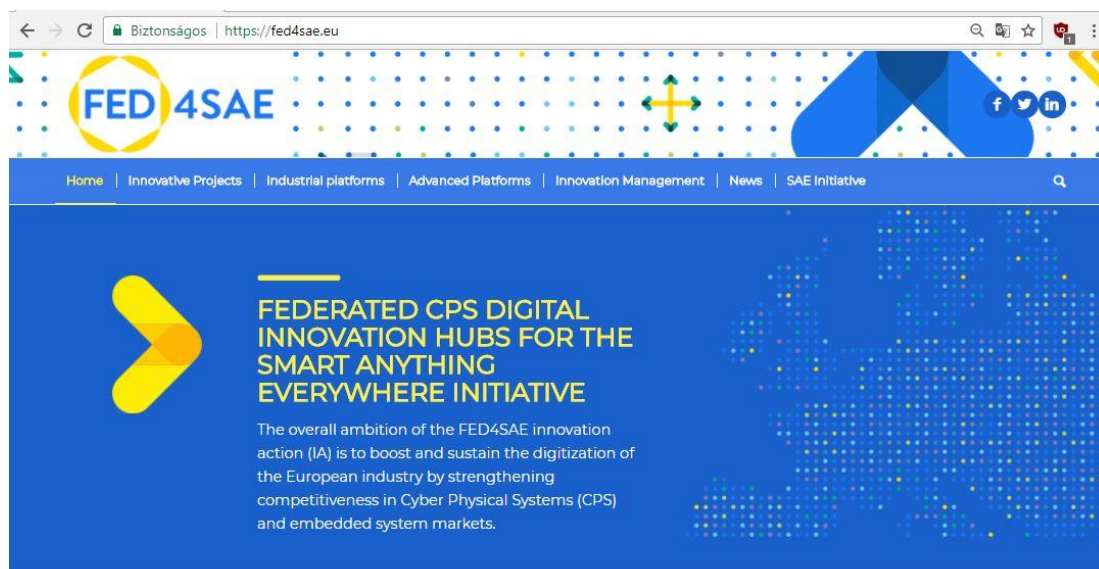
The public website has to contain all the information that the SMEs need in order to be able to create an industrial experiment.

The website will contain also the proposal submission system that has been used already in the Euro CPS project as well for the submission and the treatment of the proposals. This is not yet operational in the FED4SAE website, as very large amount of information has to be uploaded upfront to support the decision making of the interested SMEs.

The main menu items (see next page) give the most important information for the SMEs about the project and about the Sae initiative and guide them among the large amount of information provided by the web site.

Some of the contents of the major menu items are presented in the following pages, giving an idea about the type of information that is already available on the web.

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In alignment with the "Smart Anything Everywhere" initiative goals, FED4SAE will:

## #1

Create a pan-European network of Digital Innovation Hubs (DIH) by leveraging existing regional ecosystems across full value chains and a range of competencies. DIHs will enable both tech and non-tech innovative Third parties (Startups SMEs, Midcaps) from any sector to build new products and services with "digital inside".

## #2

Act as a European added-value one-stop-shop to facilitate innovators-suppliers cross-border partnerships which will accelerate innovation in products and processes of European Third parties by providing technical, industrial and innovation management expertise. This will lead to quantifiable increases in market shares, productivity, industrial capacities of the Third parties, and a broader adoption of CPS and embedded systems solutions.

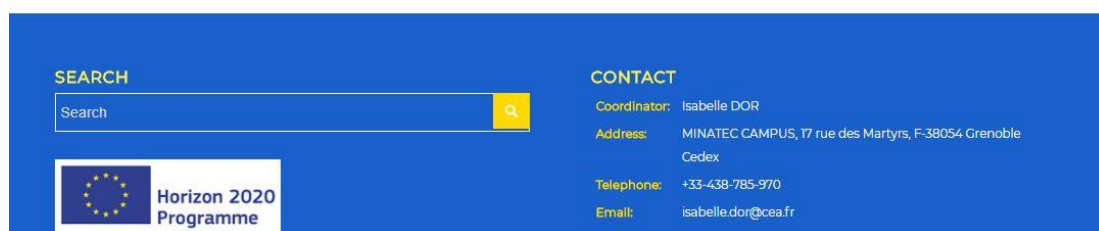
## #3

Link innovators to investors associated to DIHs to reach out to further funding opportunities and enable the next steps of the Third parties' developments after completing their application experiments (AEs).


## #4


Ensure the self-sustainability of the DIHs pan-European network by developing cooperation with regional organizations and key stakeholders engaging public and or private investment to fund FED4SAE network activities.

FED4SAE is built upon the key learnings obtained in the EuroCPS, Gateone-project, CPSE Labs IAs. FED4SAE will leverage the best practices related to Third party engagement, submission, evaluation and selection of AEs. FED4SAE will give birth to a competitive ecosystem where European Startups, SMEs and Midcaps will thrive as they access to leading technology sources, competencies and industrial platforms and also to well-connected business infrastructures and existing regional innovation hubs.



The landing page of the website

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The screenshot shows a web browser window with the URL <https://fed4sae.eu/innovative-projects/open-calls/>. The page features the FED4SAE logo and a navigation menu with links to Home, Innovative Projects, Industrial platforms, Advanced Platforms, Innovation Management, News, and SAE Initiative. The main heading is "FEDERATED CPS DIGITAL INNOVATION HUBS FOR THE SMART ANYTHING EVERYWHERE INITIATIVE". Below this, it states: "First open call for Application Experiments – Up to €60K funding, technical and business coaching available to support European companies to develop smart applications." The text describes the project's goals, funding details, and the types of experiments supported. A sidebar on the right titled "Related documents" lists links to the call text, proposal template, applicant guide, standard agreement, and NDA agreement.

**FEDERATED CPS DIGITAL INNOVATION HUBS FOR THE SMART ANYTHING EVERYWHERE INITIATIVE**

**First open call for Application Experiments – Up to €60K funding, technical and business coaching available to support European companies to develop smart applications.**

**Scope:** FED4SAE is part of the Smart-Anything-Everywhere Initiative under the Horizon 2020 Leadership in Enabling Industrial Technologies (LEIT). The three-year project aims to facilitate the acceleration of European Cyber-Physical System (CPS) solutions to market and will boost digitization of European industry by strengthening companies' competitiveness in the CPS market. By creating a pan-European network of Digital Innovation Hubs with leading industrial companies providing multiple industrial platforms and R&D centers providing access to several advanced platforms and test beds, the FED4SAE project will harness the benefits of existing regional tech and businesses ecosystems across complete value chains and multiple competencies to enable European startups, SMEs and midcap companies in all sectors to build and create new digital products and services through three open calls. The project mission also includes innovation management – linking these companies to suppliers and investors to create innovative CPS solutions and accelerate their development and industrialization.

**What we offer:** Through this 1st open call, FED4SAE provides a unique marketplace organized as a one-stop-shop providing access to technologies, technical expertise, business and financial services to develop new and innovative CPS solutions based on existing industrial platforms, advanced technologies & several test beds and innovation management. Successful Application Experiments (AEs) are based on collaboration with at least one of our industrial platforms, advanced platforms and networking partners. Technology access and assistance from the industrial platform partners along with expertise, know-how, coaching, design support, tech transfer and access to several advanced technologies and testbeds are provided by our advanced platform partners. Innovation management from our innovation management partners – linking applicants to suppliers, well-connected business infrastructures and existing regional innovation hubs – ensures the relevant conditions for innovation adoption and access to further investments to facilitate the industrialization of the developed CPS solutions. Such an offer will enable the rapid development, lower the entry costs for the design and optimization of your novel CPS solutions and accelerates the market entry of your proposed CPS solution. The expected duration of the Application Experiment is from 9 to a maximum of 18 months. The average funding per applicant is 50k€ with a maximum of 60k€ for one, at a funding rate of 70% of the budget. Multiple experiments per applicants are possible, with a total maximum funding for all experiments of 100k€ (through all three open calls).

**How to enter:** You are invited to submit Application Experiment proposals, targeting an innovative CPS solution, for exciting new markets, such as smart cities, smart agriculture, smart food, smart health and wellbeing, smart building, smart transport, etc. Each AE must focus on at least one of the following areas:

- **Software-intensive AE:** Building a system solution using existing programmable CPS software platforms and complementary advanced software platforms. The AE will cover access enablement to the FED4SAE industrial platforms, embedded software development complementary competences from research institute/advanced platform partner and eventually test bed validation. The outcome of such an experiment will be a software prototype demonstrator running on a FED4SAE industrial platform.
- **System integration AE:** Building an innovative system solution using existing software and hardware components. Such an AE offers access to a broad range of competencies (system expertise, product technical experts, design kits, API) through the FED4SAE consortium. The AE will cover hardware-software integration and access enablement to both the industrial platforms and the complementary competences from research institute/advanced platform provider and eventually test bed validation. The outcome of such an AE will be an integrated system prototype demonstrator.
- **CPS and Embedded System with innovative component AE:** Building an integrated Hardware-Software prototype requiring specific hardware-software components. Such AEs rely on access enablement to FED4SAE industrial platforms and complementary competences from research institute/advanced platform partner. The AE will only cover hardware-software architecture study to define the needs in terms of enablement for access to core platforms. The outcome will be system

**Related documents**


- The call text can be downloaded [here](#).
- A template for the proposal is [here](#).
- The guide for applicants is available [here](#). It contains a template for the proposal and general explanations about the proposal generation and evaluation process.
- The standard agreement is [here](#), [PDF](#) and [DOCX](#).
- The NDA agreement is [here](#), [PDF](#) and [DOCX](#).

### The Innovative projects menu item

Dissemination level: public (PU)

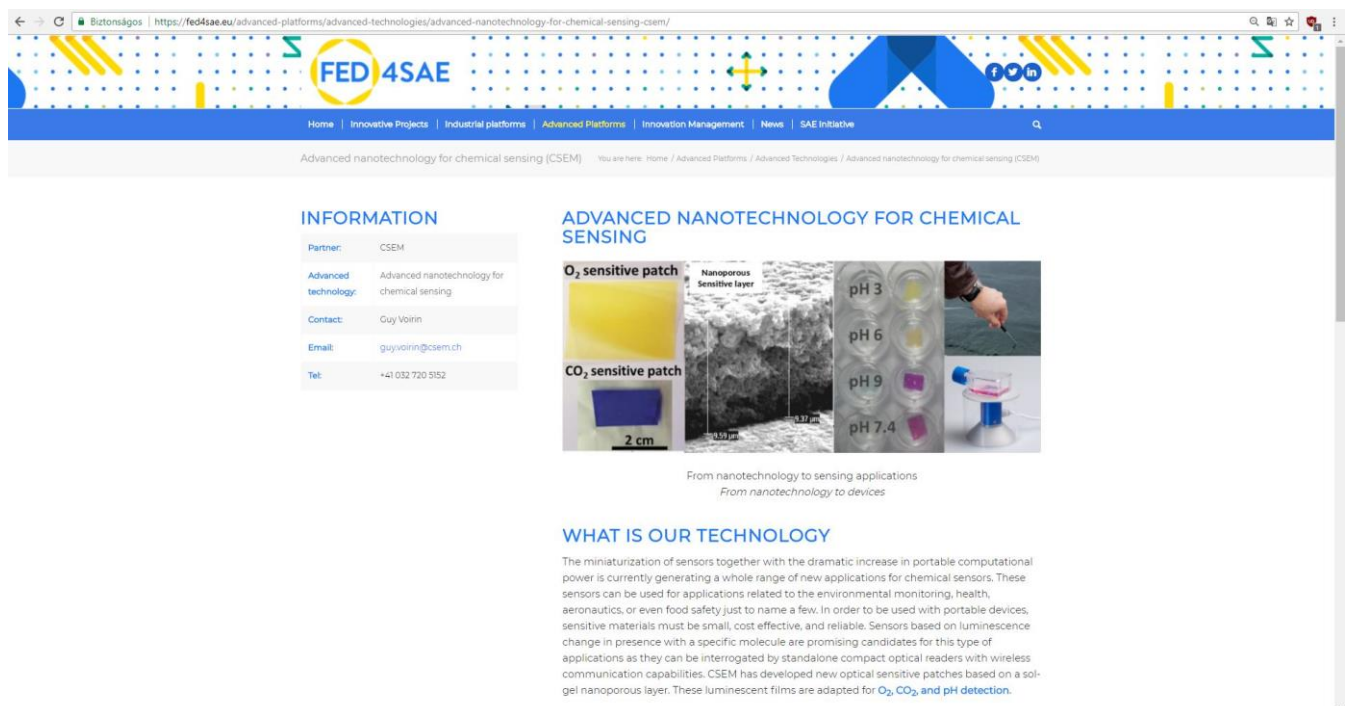
THIS DOCUMENT IS PUBLIC, AND WAS PRODUCED UNDER THE FED4SAE PROJECT (EC CONTRACT: 761708).




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An industrial platform



An advanced platform

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**Advanced Technologies**

- AIDE (KTH)
- 4Diac (Fortiss)
- tri-Fab infrastructure (PhG)
- Sensinact Middleware (CEA)
- LINC (CEA)
- Sigma Fusion (CEA)
- Silicon Impulse (CEA)
- VIP – Vision in Package (CSEM)
- Localization Solver (CSEM)
- WiseMAC (CSEM)
- WiseNET (CSEM)
- WiseDep (CSEM)
- Advanced nanotechnology for chemical sensing (CSEM)
- Advanced manufacturing/packaging (CSEM)
- Soft MEMS (CSEM)
- Hyper Vision (CSEM)

**Testbeds**

- Research Concept Vehicle (KTH)
- Loranwan LPWAN (DigiCat)
- Smart Home, Health and Transportation (CEA)
- Reliability testing capabilities (BME)
- SmartCity Santander (UNICAN)

**Competences**

- AVL – Austria
- BLUMORPHO – France
- BME – Hungary
- CEA – France
- CSEM – Switzerland
- DIGICAT – United Kingdom
- PhG – Germany
- FORTISS – Germany
- KTH – Sweden
- THALES – France
- UNICAN – Spain

**Sigma Fusion**

**SIGMA FUSION EMBRACES:**

- Multi-sensor fusion supporting a wide range of sensor technologies
- Safe assessment of the free space surrounding the vehicle
- Low cost, low power and easy on board integration
- Real-time performance in a mass-market microcontroller
- Fast, accurate environmental perception
- Predictable behaviour and proven reliability to meet automotive certification process

**APPLICATIONS**

- Automotive and smart transportation
- Autonomous driving systems
- Certifiable perception
- Drone navigation and obstacle avoidance
- Highly assisted mass transportation
- Consumers and industry
- Obstacle avoidance for drones
- Embedded safeguard systems for smart factories
- Travel aid for rescuers and visually impaired people

**WHAT'S NEW?**

- Sigma fusion can be embedded on already certified ASIL-D automotive platform
- Compatible with any kind of sensors (unlike its competitors): receives data from the best sensors for the relevant application, which are simply mounted in combination
- Consumes less than 1 watt, making it 100 times more efficient than comparable systems
- Ultra-compact and miniaturized solution: fits into a tiny mass-market microcontroller
- Affordable and tailored to every vehicle type and model
- Seamless integration: integrates existing car and other industry production lines


**WHAT'S NEXT?**

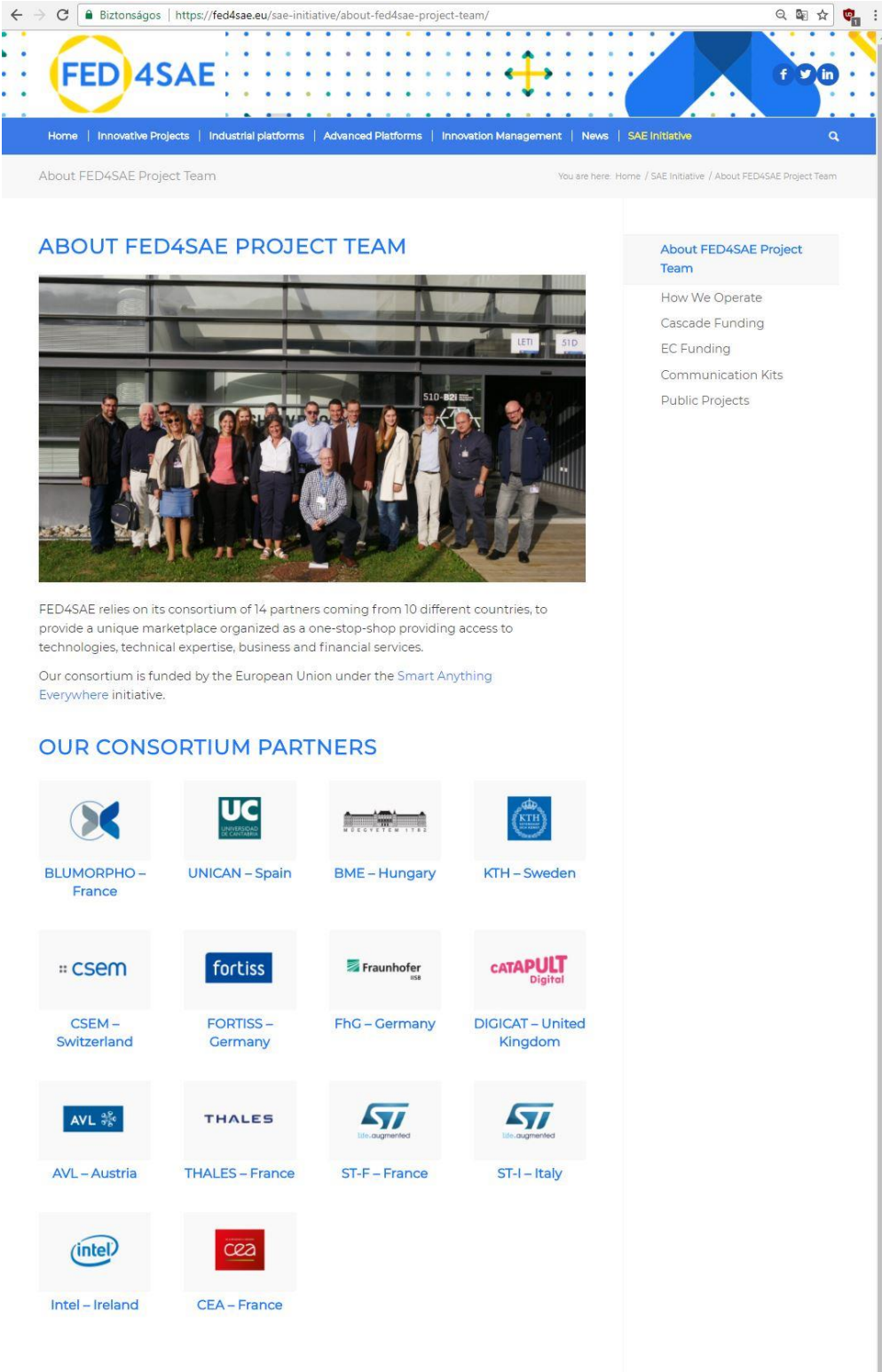
Leti will continue to develop SIGMA FUSION by integrating state-of-the-art sensor technologies including Lidar, Radar, Vision, Ultrasound and Time-of-Flight camera into the system. Opportunities will be exploited to transform proof of concept into certified engineering platforms in automotive and other industries.

On the not-so-distant horizon, SIGMA FUSION's potential will drive development of innovative sensor architectures in optics, radar, ultrasound and other technologies. Conversely, SIGMA FUSION will be enhanced through integration of infrastructural information (Fusion V2X).

An advanced platform with the submenu items of the advanced platforms



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**ABOUT FED4SAE PROJECT TEAM**


FED4SAE relies on its consortium of 14 partners coming from 10 different countries, to provide a unique marketplace organized as a one-stop-shop providing access to technologies, technical expertise, business and financial services.

Our consortium is funded by the European Union under the [Smart Anything Everywhere](#) initiative.

**OUR CONSORTIUM PARTNERS**

- BLUMORPHO – France
- UNICAN – Spain
- BME – Hungary
- KTH – Sweden
- CSEM – Switzerland
- FORTISS – Germany
- Fraunhofer – FhG – Germany
- CATAPULT Digital – DIGICAT – United Kingdom
- AVL – Austria
- THALES – France
- ST-F – France
- ST-I – Italy
- Intel – Ireland
- CEA – France

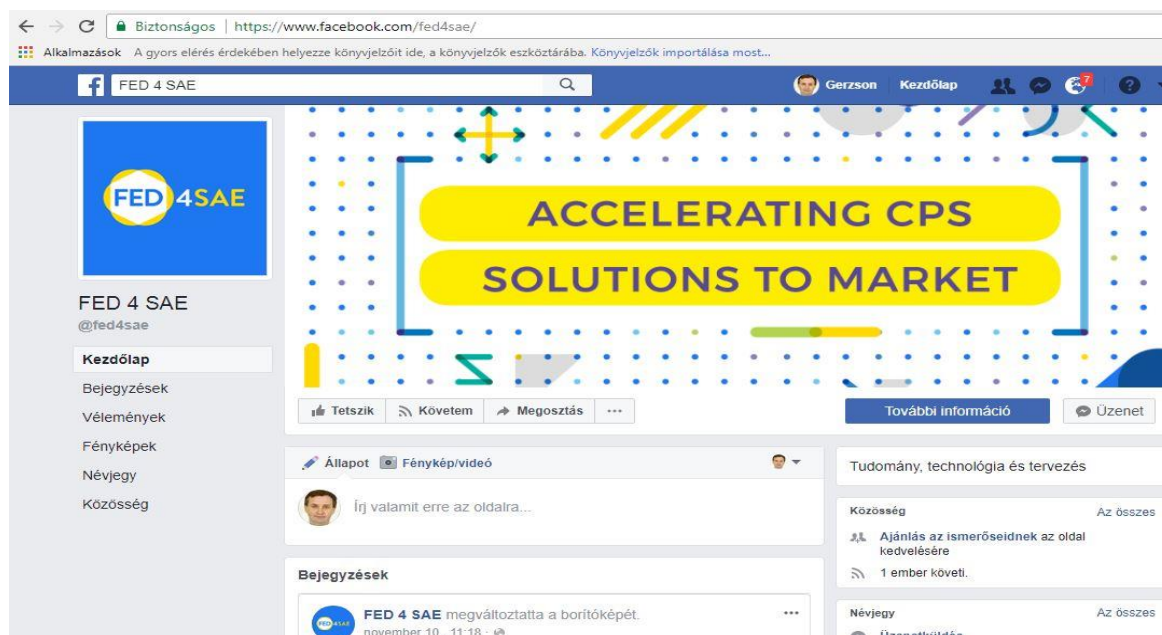
The project team

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## 4 Presence in the social media

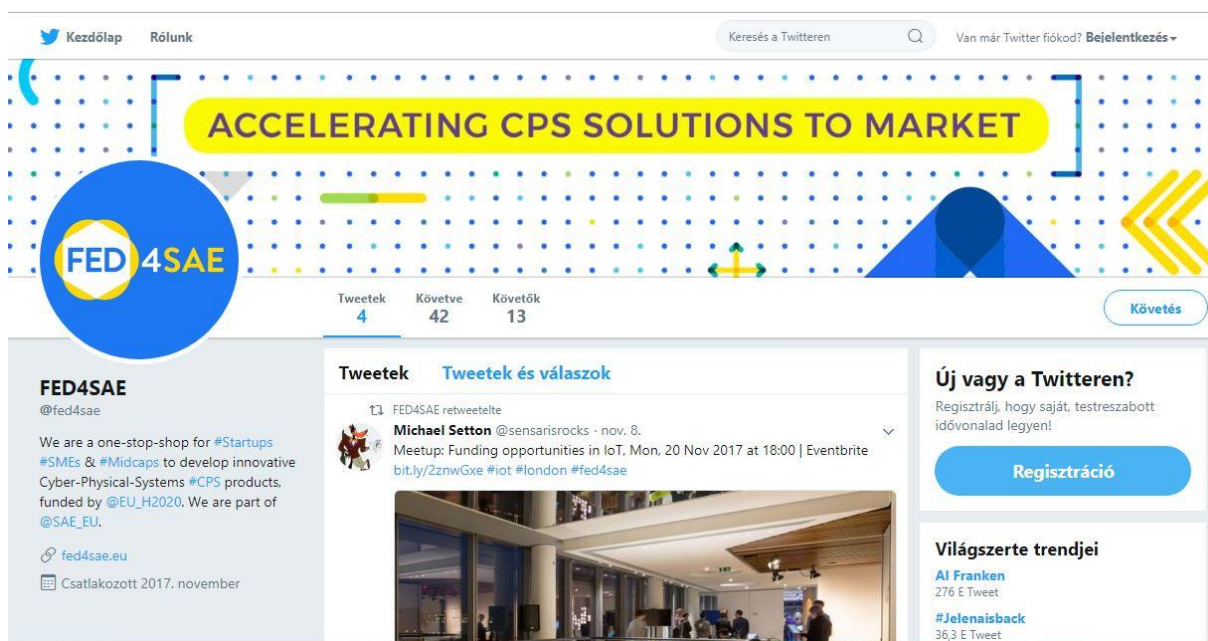
Together with the website development Facebook, LinkedIn and Twitter accounts have been also created by BME. These are all accessible directly from the website. The daily treatment of these accounts will be maintained by DIGICAT.

### 4.1 Facebook




Appearance on Facebook

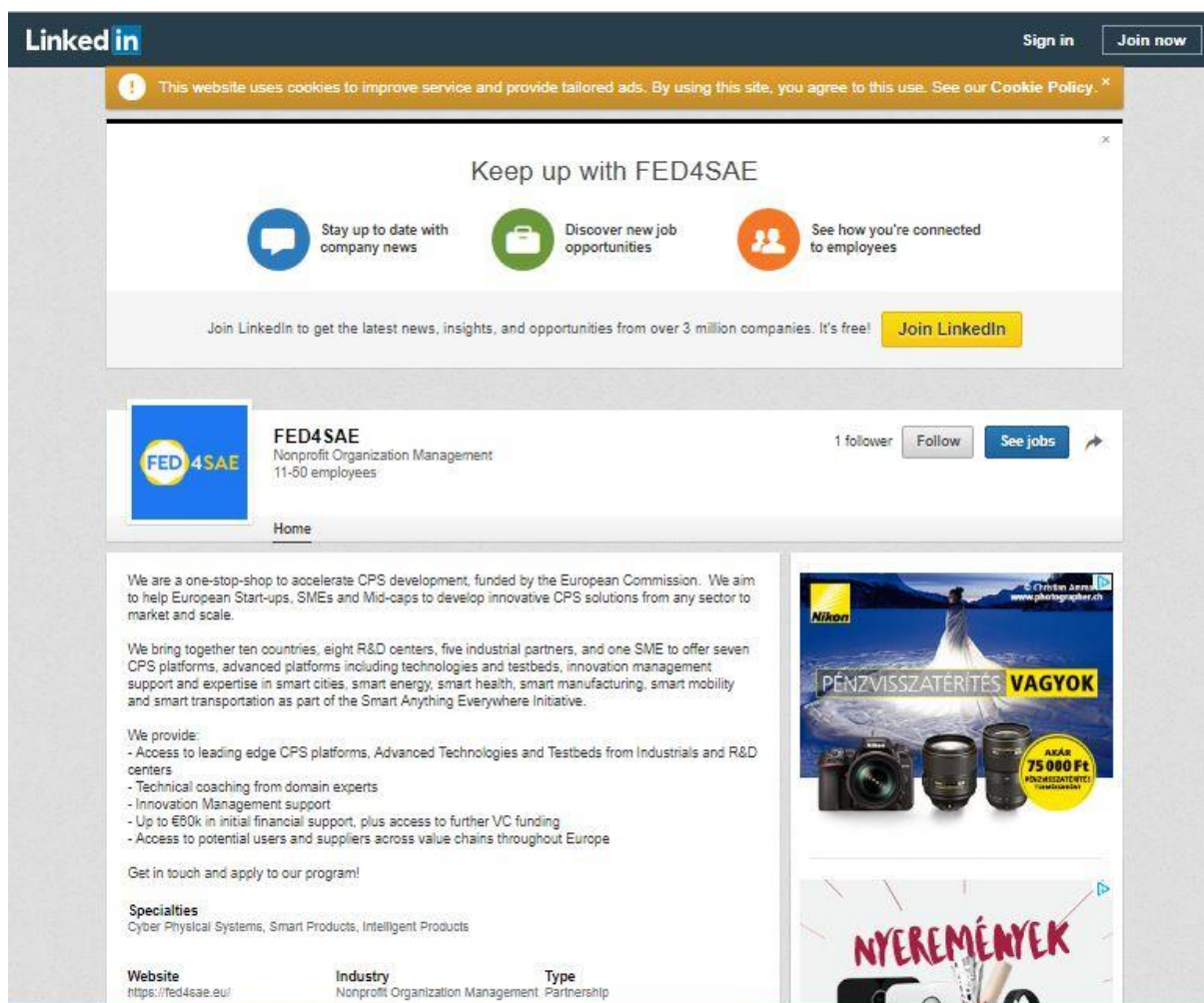
### 4.2 Twitter



Appearance on Twitter

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### 4.3 LinkedIn



Appearance on LinkedIn

## 5 Summary

The website is the major means of communication of the FED4SAE project towards the SME community.

It is operational now with a large amount of information, but parts of it are still under construction, and will be continuously updated during the lifetime of the project.