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### Pilot's presentation - Internet Voting

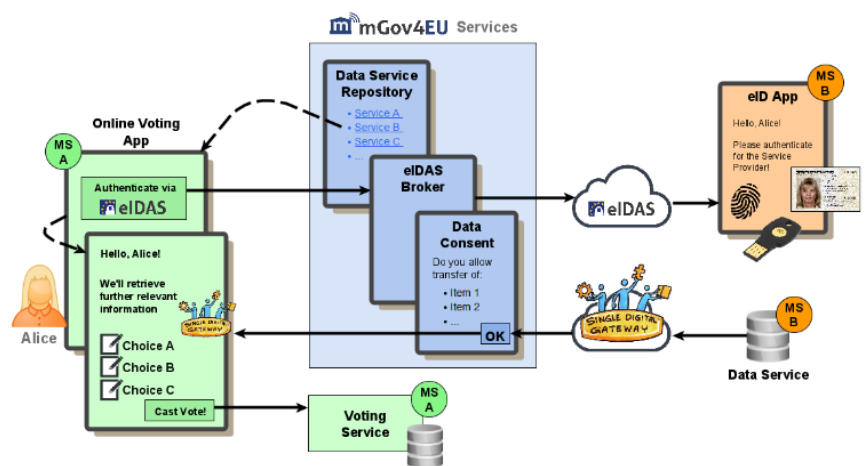
## Internet Voting as Part of mGov4EU

During the three-year project period, several mGov4EU pilot applications will be designed and implemented to validate the solution, modules, and infrastructure services. The pilot applications include internet voting, smart mobility based on subsidized taxi rides, and mobile signature. The aims of the three pilots are demonstrating cross-border mobility, cross-border collaboration, providing additional cross-border information. The pilots are planned to demonstrate their feasibility under real-life conditions and in real life environments like internet voting for the student's council at the University of Tartu.

One of the most critical environments from the point of view of security and privacy in "the Digital Era" are electoral processes. Within these processes it is necessary to ensure the privacy of voters as well as the integrity of the votes, to guarantee the accuracy of the election's results. However, another point that is very important is to ensure the authenticity of the voters and their eligibility in the election process, i.e. that they are authorized to vote in that process. Otherwise, the election integrity could be posed at risk. mGov4EU will research possibilities to ensure a unique mapping between natural persons and identifiers. In addition, in certain cases, it might be interesting to have access to some personal data of the voter for statistics. For example, it can be needed to know the election participation concerning socio-demographic variables, such as gender and age of the voters. This can be done by requesting the voter consent to access to their gender and age using the SDG-Layer.

In this manner, the voting system does not require a database with the personal data of all the voters and the voter does not need to manually introduce their data for statistics.

This use case consists of integrating the eIDAS authentication in the online voting system of the mGov4EU Partner ScytL, thus voters from different countries and with different eIDAS compliant authentication tokens, can authenticate seamlessly in the system for voting. In addition, the project introduces the ability to get voter personal data relevant to statistics by means of the SDG-Layer.



Internet Voting Pilot

## Fraunhofer Gesellschaft



The **Fraunhofer Gesellschaft** is Europe's largest application-oriented research organization. This project will have two institutes of Fraunhofer Gesellschaft participating, Fraunhofer IAO and Fraunhofer FOKUS. Fraunhofer IAO will be the leading partner. Fraunhofer Institute for Industrial Engineering IAO specializes in the integrated planning, design and optimisation of innovative products, processes, and structures. Under consideration of human factors, organizational aspects, technological solutions, and the environment, IAO explores and evaluates new concepts of technology management, work organisation and work design, especially in the development of advanced information and communication systems. IAO supports its customers in optimizing their software development processes, in introducing new technologies, and in development methods as well as in the conceptual design, the evaluation and the implementation of complex software systems. Fraunhofer Institute for Open Communication Systems (Fraunhofer FOKUS), based in Berlin, Germany, develops solutions for the communication infrastructure of the future.



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The institute addresses important challenges in the society and the smart cities of the future, including access to information, economic and sustainable use of resources, smart mobility, and a modern governmental administration. Independent from specific manufacturers, products and technologies, the institute provides a neutral platform. In mGov4EU Fraunhofer FOKUS is represented by the members of its business unit Digital Public Services (DPS), which bundles all activities around the areas of e-government and public IT. The Business Unit supports government, administrations, and industry in the strategic implementation of interoperable and secure information and communication solutions in the public space and in public administration.

Main tasks in the project: In the mGov4EU project, Fraunhofer IAO will focus on exploiting its expertise and have a large contribution to the research and development of business models, stakeholder ecosystems, use cases, and interdisciplinary evaluation in work package (WP) 1, WP2 and WP5 as well as a supporting contribution to WP6 and WP7. Fraunhofer FOKUS will act as a technical partner with strong data management background in public sector. Fraunhofer FOKUS will be leading the design (Task (T) 2.2, T2.5) and implementation (T3.1, T3.4) activities for mGov4EU Repository and Metadata Service and for Data Exchange Module and SDG Integration.



*Barbara Hucke  
Marketing and Communication*

## go.eIDAS e.V.



The **go.eIDAS e.V.** (Association) promotes the use of the eID systems and trust services addressed in the eIDAS-Regulation (EU) 2014/910 on electronic identification and trust services for electronic transactions in the internal market and the related technological developments and supports the creation of open standards as well as suitable framework conditions for the trustworthy digitization of business and administrative processes in Europe and beyond. In particular, appropriate awareness-raising activities are undertaken to address the benefits and opportunities of eIDAS, as for example by demonstrating the usefulness of eIDAS-based applications in selected areas, with particular attention to mobile environments and the needs of small and medium sized enterprises and public institutions. Furthermore, the creation, usage and maintenance of open standards and open-source software as well as suitable measures to increase the security, interoperability and adoption of eIDAS-related components and solutions is an important goal of the go.eIDAS-Association.

Main tasks in the project: go.eIDAS is coordinator of WP6. As leader of T6.1 and T6.2, go.eIDAS is responsible for on- and offline dissemination tools and materials (e.g., Social Media campaigns, news bulletins and more) to promote stakeholder engagement and community building. go.eIDAS also leads T4.2 which aims in integrating the mGov4EU infrastructure into a Smart Mobility Pilot.



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