

Dear Land Register managers,

The Ministry of Justice of Estonia together with the Centre of Registers and Information Systems (RIK), are planning of building a next generation electronic land register IT- solution, which would serve well for the next years. It should be a modern, fully configurable, secure and smart, nice-looking solution. Instead of building it alone, we are hoping to do it together with interested partners from other countries, so that everyone could reuse the results and the software later on.

We are applying for Horizon 2020 funds, which will help us to achieve the goal. Would you like to join us in this interesting and innovative journey? We would be excited to partner with you in our Horizon 2020 project proposal, under the topic of „Applied co-creation to deliver public services“. The aim of the proposed project will be to explore the possibilities of introducing collaborative co-development activities to the process of developing a trans-nationally adjustable land register solution, which would be based on open-source software, and developed in a way that it could be adopted by various EU Member States and other countries.

**What would we expect from our project partners:**

We are currently envisioning that our partners would be willing to provide their expertise and engage in the following activities:

- participate in the Project meetings and share the information of national best practices
- describe national land registry user stories
- share user expectations on land and property registers
- comment the deliverables in an online collaboration environment
- test the pilot system with national test data and give feedback
- participate in dissemination events/conference and share the national best practices
- introduce the project results at national level to any land administrations or other decisive institutions
- join in the drawing of conclusions based on the co-development experience and drafting recommendations

**Here are also the benefits we are hoping our project partners would gain:**

- Deeper understanding of how to build a state-of-the-art next generation's land register information system
- New ideas on how to start the process of preparing a successful government ICT-project
- Access to all the project documentation and roadmaps to the successful solution development
- Access to a state-of-the-art scalable, reusable, open-source, free of charge and configurable ICT solution, with documentation
- Overview of best practices from other partner countries, and contacts for exchanging information and collaborating in the future
- Many good friends

Please see a short overview of the project idea and the envisioned work-packages on the following pages. For non-profit legal entities the funding rate of 100% is applied (70% for others).

We hope that you would be interested in joining our project partners' consortium, and let us know of your interest over this week, or by the January 19 the latest, as the proposal's deadline is on February 2, 2017. Please reply with your response to Mr. Ingmar Vali at the RIK ([Ingmar.vali@just.ee](mailto:Ingmar.vali@just.ee)).

With your positive reply to our proposed project idea, and your willingness to join the project consortium for the Horizon2020 proposal, we would be delighted to share with you the rest of the details of the project proposal.

Yours sincerely,

Ingmar Vali  
[www.rik.ee](http://www.rik.ee)

# Horizon2020 Project Proposal

## **Project Title: Co-Development of Adjustable Land Register Information System (CALRIS)**

### **The Abstract of the Project Proposal:**

The aim of the Project is to proceed towards modernizing the process of designing and developing public authority information systems, by carrying out an exploratory piloting of collaborative co-development of an innovative and internationally adaptable public land register information system. Thus, contributing to the goal of preparing public authorities, responsible for land and property registration, to apply the open government innovation principles to the design, development and delivery of software solutions for public administration.

The exploratory piloting of the inclusive co-development of a public software solution together with stakeholders, partners and other interested parties will be conducted with the goal of developing a highly adjustable and open-source environment, suitable for various EU Member states as well as the third countries. The inclusive development of the land register solution will include determining of the system requirements and architecture, designing the desired functionality, planning and conducting the user-tests, development and testing and testing the software, as well as monitoring and evaluating the project as a whole.

The deliverables of the Project consist of two parts: provision of guidelines for conducting an inclusive co-development of a land register environment, and also, the delivery of a trans-nationally adjustable land register software solution, in-line with the highest expectations placed on a modern digital government service, regarding wide-scale usability, multilingual support, configurability, scalability and security.

The deliverables will be published at various public web portals, (including CORDIS, JoinUp) and freely downloadable to all interested parties under the EUPL licence. The Project results will be promoted also at national and international levels, through public sector networks, conference papers, national and international software design events, as well as via public media channels.

**Expected Project Duration:** September 2017 – May 2020 (33 months)

**Expected Project Budget:** About 4,5 million Euros

### **Expected Project Partners:**

Authorities, universities and private sector representatives involved or interested in the development of public authority software solutions (from the EU as well as other countries). Also organisations representing the future users of the envisioned solution are expected to join the Project consortium.

### **Expected Grant Source:**

Horizon 2020, Pillar: Societal Challenges

Work Programme Part: Europe in a changing world – inclusive, innovative and reflective Societies

Call: H2020-SC6-CO-CREATION-2016-2017

Topic: CO-CREATION-04-2017: Applied co-creation to deliver public services

Type of Action: Innovation actions (IA)

### **Description of Project Work-packages:**

#### **Work Package 1: Project management activities (WP1)**

WP1 lasts the entire duration of the project (33 months). The goals of WP1 are set at securing timely and accurate management of the project activities and resources, delivering the required reporting instruments to the financing programme, and securing internal communication and cross-partner delivery of project data. The WP1 covers the activities related to the planning and management of project activities, organization of internal communication, project administration and risk management in terms of project activities and achievement of goals, as well as reporting on the project activities and expenditures. Also under the WP1 regular monitoring

of the advancement of the project according to set goals will be conducted, and the composition and delivery of the periodic reports and the final reports of the Project to the Commission will be carried out.

The Lead partner of the WP1 will be the Ministry of Justice (JUM), which holds an extensive experience in conducting large-scale international collaboration projects under various European cooperation programmes. Other project partners will provide the lead partner with the data and information on project activities and budget necessary for reporting and timely management of the project. Within the first three months of the Project an internal communication plan will be composed and suitable tools selected for the best management of information sharing between all project partners and also with the European Commission for reporting purposes. Also a data management plan will be developed and agreed between the project partners, during the first three months of the Project.

### **Work Package 2: Management of inclusive co-development process (WP2)**

WP2 will last 31 months, and its goal is to secure the necessary planning and coordination for carrying out inclusion activities during the process of land register co-development. The WP2 is focused on designing a goal-oriented inclusion of various stakeholders, interested parties and members of the general public in the open land register co-development process, nationally as well as internationally.

The Lead partner of the WP2 will be ....., which holds a remarkable experience in conducting and participation in the large-scale European innovation and collaboration projects.

The envisioned inclusion process is initially carried out as a small-scale pilot, in order to ensure all necessary means and system of information exchange between the participants. Based on the piloted inclusion activities, a Project main inclusion plan will be prepared for the full cycle of the land register co-development process. The plan will be carried into action by all project partners, under the supervision of the Lead partner. The lead partner will administer and document the iterative cycles of exchange of information and delivery of input to the co-development process. The lead partner will consolidate and organize the input received from the process participants and deliver the feedback and results to the project partners according to the internal communication plan.

As a final output of the WP 2 the effects and the experiences gained through the inclusion process will be summarized and based on the lessons learned. The lead partner will coordinate the project partners in the preparation and delivery of recommendations for carrying out an inclusive co-development of a public land register information system, as one of the major deliverables of the Project.

### **Work Package 3: Design and development of land register information system (WP3)**

WP3 will last 29 months. The goals of the WP3 are to design and develop a core land register system, which will be trans-nationally adjustable and suitable for various countries in Europe as well as abroad, and to pilot it in Estonia. In addition a cloud-based demonstration environment will be provided. The lead partner of the WP3 will be the Estonian Centre of Registers and Information Systems (RIK), which has extensive experience in developing state-of-the art public service solutions.

The activities of the WP3 include designing an overall concept of a trans-nationally adjustable, modular open-source land register solution, determining of the system requirements together with project partners and other interested parties through an inclusive co-development process. The necessary system and architectural analyses and the technical software development will be carried out as a public procurement, where the service provider is periodically releasing the deliveries of work for external reviewing and feedback provided through the inclusion process. The lead partner will manage and coordinate the overall activities of the WP3, whereas the project partners will provide their expertise in designing the features, functionality and requirements of the expected solution, bringing in their country-specific knowledge, expertise and anticipated users feedback, delivering suggestions regarding development options.

As an integral part of the systems development usability aspects are considered, and tested throughout the development process. Besides the lead partner, also other project partners will actively participate in the usability testing and provision of respective feedback. The system interfaces of the core land register system will be translated into the major languages of the project partners (from English to Estonian, German, ...), which will be carried based on a service procurement.

Together with the delivery of the core land register system a cloud-based demonstration environment will be set up, where all interested parties may become familiar with the system features and test out the major functionalities.

As a real-life case a version suitable for Estonia will be launched, based on the adjusted core land register system. The Estonian version of the land register information system will be monitored in the initial deployment period for stability assurance, and if necessary, stabilising tuning will be carried out.

**Work Package 4: Co-development evaluation and monitoring (WP4)**

WP4 will last 27 months. The lead partner of the WP4 will be ....., which has thorough knowledge of the land register systems.

The goals of WP4 are to provide expertise in a decision-making process, and to deliver a second opinion on the activities carried out under the WP3, based on a peer-evaluation concept, in order to describe and evaluate the choices made on the decisive system development stages, in order to outline the opinions of the project partners, the knowledge on best practises and the argumentation for and evaluation of the choices made, regarding the goals of the Project.

**Work Package 5: Publicity and awareness activities (WP5)**

WP5 lasts the entire duration of the project (33 months), similarly to the Project management work package no 1. The goals of WP5 are to provide publicity to the Project and its goals, activities and deliverables, nationally and internationally, and based on the Project results, to raise awareness of the possibilities for inclusive public e-solutions development and uptake of innovative land register information systems.

The lead partner of the WP3 will be the Estonian Centre of Registers and Information Systems (RIK), having an extensive network of connections among the public land and property management administrations, public e-service providers and developers around the world. The former existing international connections provide a possibility to spread the knowledge of the Project and to promote the results and the deliverables of the projects within the networks of public administrations, on the conferences of domain-specific e-solutions providers, and communities of practice, besides the general media and social media channels.

The WP5 covers the activities related to the promotion and awareness building of the Project and its goals, results and deliverables and organizing active external communication regarding the Project to the third parties and stakeholders. The dissemination activities include organization of dissemination events, meetings with stakeholders and interested parties, delivery and spreading of press releases, public notices and working papers and presentation of the Project outcomes and deliverables at the domain-specific and e-governance conferences.

In order to maximize the effect of the dissemination activities the lead partner will coordinate the preparation of a detailed dissemination plan and the management of respective activities together with the project partners.