

Inter-Municipality Initiative: Cross-border eCollaboration in the Danube eRegion

<http://eLivingLab.org/CrossBordereRegion/InterMunicipality>

Cross-border eSolution/eService Prototype Development Proposal

Presentation event: *3rd Danube eRegion Conference – DeRC 2013 in Ljubljana on September 23-24*

Prototype title: Drug Event Reporting with Mobile Information Solutions – DERMIS

Short description of the prototype:

(problem to be solved, expected benefits, main stakeholders, expansion opportunities, related EU projects, references):

Medication errors in hospitals are among the highest in number contributing to adverse events which patients are experiencing in hospitals. The overall goal of the cross-border project is to achieve significant reduction in medication errors through an advanced and easy to use reporting, analysing and feedback tool. Today only up to 10% of errors / incidents are being reported according to international statistics. The developed prototype enables medical staff to briefly report medication problems with their mobile devices in addition to a more detailed report using web forms on standard PCs. The mobile application exhibits a limited range of functionalities compared to the PC version, but the simplified user interface allows for easy and fast capturing of medication errors while doctors or nurses are e.g. at the patient's bed. The reports can then be further elaborated at the PC when there is more time to add details. They are fed into a central database and can then be exchanged with cooperating hospitals in the region.

ICT requirements for the prototype deployment in another organization/country:

The prototype requires a secure mobile device management platform to safely deploy the app and manage it remotely on mobile devices of medical staff. Furthermore a web server is necessary to host the web form based PC version, and access to medication databases (especially MedDRA) needs to be available through web services.

Expected cross-border impacts:

Improved reporting of medication problems using standardized forms and methods are the basis for increasing patient safety in all important areas like operation theatre, nosocomial infections, patient falls etc. The prototype shall increase the number of medication problems reported first within a hospital and in the next step within the region. Cooperation of hospitals in Slovenia, Austria, Italy and Croatia in evaluating the application and consequently by exchanging reports will insure increasing the patient's safety and reducing costs in health care in the region.

Proposer - contact person

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Existing partners (name & family name, position, organization, country):

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What type of partners are we looking for?

Representatives of Ministries of Health, clinical organizations, clinical center IT departments

Remark: I, the proposer of the prototype, do agree that my personal data is published.