

2nd Danube eRegion Conference – DeRC 2012

Grand Hotel Union Ljubljana, Slovenia

Monday - Tuesday, September 24-25, 2012

<http://eLivingLab.org/CrossBordereRegion/DeRC2012>

Cross-border eSolution/eService Prototype Development

Prototype title: e-Nurse

Short description of the prototype (problem to be solved, expected benefits, main stakeholders, expansion opportunities, related EU projects, references):

Health care is increasingly becoming a knowledge-based community that critically depends on knowledge management activities in order to ensure quality. We propose a computerized system as a nurses' tool in the process of planning nursing care. The system uses its knowledge base and data on patient's health status to suggest elements for a nursing plan. It uses graph-based knowledge model and graph traversal algorithms to make recommendations for a nursing care plan. Main stakeholders are nurses and patients. Prototype should be made an integral part of electronic health records and connected to patient safety procedures.

BENEDIK, Peter, RAJKOVIČ, Uroš, ŠUŠTERŠIČ, Olga, KRALJ, Uroš. How to Create Nursing Care Plan in Collaboration with Computer. In: Proceedings of the 11th International Congress on Nursing Informatics, Montreal, Canada, June, 23rd-27th, 2012. American Medical Informatics Association, 2012, p. 482.

ŠUŠTERŠIČ, Olga, RAJKOVIČ, Uroš, DINEVSKI, Dejan, JEREB, Eva, RAJKOVIČ, Vladislav. Evaluating patients' health using a hierarchical multi-attribute decision model. J. int. med. res., 2009, vol. 37, no. 5, str. 1646-1654.

ICT requirements for the prototype deployment:

Windows OS based computer (preferably tablet PC) with internet connection

Proposer (contact person)

Name, family name	Uroš Rajkovič	Position	assist. prof.
Organization	Faculty of organizational sciences, University of Maribor		
Postal address	Kidričeva cesta 55a	Country	Slovenia
Email address	uros.rajkovic@fov.uni-mb.si	Web address	http://lopes1.fov.uni-mb.si
Telephone	+386 41 332515		

Existing partners (representative, position, organization, country):

Faculty of Health Sciences, University of Ljubljana
Faculty of organizational sciences, University of Maribor
SRC Infonet d.o.o., Kranj, Slovenia
University Clinical Centre Maribor, Maribor, Slovenia

New partners search:

Hospitals and community health centres