Title (EN): **Emergency Responder Data Interoperability Network**

Title (SK): **Systém pre dátovú interoperabilitu záchranárskych zložiek**

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Annotation: European states regularly experience a wide range of major crisis events that include environmental disasters such as major flooding, avalanches and earthquakes as well as man-made incidents involving large-scale transport related accidents and terrorist sponsored occurrences. Emergency service agencies and rescue organizations when responding to such events are more frequently working together, and this includes cross state border collaboration, to enhance their overall operational effectiveness. Project REDIRNET provides added multi-agency joint-working benefits by facilitating information exchange through the concept of broad scale data interoperability. The platform provides a true interoperability that is non-reliant on specific technology or proprietorial systems. The REDIRNET project introduces a system that provides seamless interoperability for all participating emergency response agencies via a socio-professional web and includes dynamic configuration as required. This level of interoperability offers emergency service agencies a more effective response to major crisis incidents that can ultimately lead to enhanced public safety and security across Europe. REDIRNET is based on the unification of meta-data interfaces with socio-professional network that allows agencies to configure and control all the attributes of their interoperability with other agencies.

The REDIRNET platform also provides a unique polling system (developed by UISAV) which enables to seamlessly discover, request and aggregate information about available resources needed for disaster mitigation from engaged resource providers in real time using the web or mobile devices. REDIRNET is not only relevant to rescue teams and first responders, it is an open system and therefore all organizations whether they are public agencies or commercial entities – and the operational need arises – can join, share their information and enjoy the benefits offered by the system.

Main Scientific Outputs:

1. BALOGH, Zoltán - GATIAL, Emil - HLUCHÝ, Ladislav. Poll sourcing for crisis response. In ISCRAM 2016 conference proceedings. Eds. A.H. Tapla, P. Antunes, V.A. Banuls, K. Moore, J. Porto de Albuquerque. - Rio de Janeiro, Brazil : ISCRAM, 2016, 9 p. ISBN 978-84-608-7984-8. ISSN 2411-3387. Typ: AFC

2. GATIAL, Emil - BALOGH, Zoltán - HLUCHÝ, Ladislav. Data Interoperability approach during major accidents. In ISCRAM 2016 conference proceedings. - Rio de Janeiro, Brazil : ISCRAM, 2016, 1 p. ISBN 978-84-608-7984-8. ISSN 2411-3387. Typ: AFG