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CBRN Information Management as a Service

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With the evolving threat of terrorism from individual, extremist groups and state-based actors as well as the consequences of accidents which produce life endangering amounts of toxic industrial materials, there is an increasing need for improved local control of CBRN incidents. Consequently, there is an escalating need for first responders, local government and other agencies, as well as commercial entities concerned with risk management and insurance to have access to the type of CBRN IM capabilities available to the military. In order to tackle this issue, Riskaware is leading a consortium, joint funded by the European Space Agency (ESA) and the European Defence Agency (EDA), to investigate the feasibility of developing the next generation of CBRN Information Management Systems, leveraging both existing and emerging space based data. The resulting capability concept, EuroSIM CBRN, will enable a wide user community to have access to the type of advanced CBRN IM technology already available to the military in the UK. Our approach takes advantage of the latest developments in evolving technologies, such as cloud computing and Modelling and Simulation as a Service (MSaaS), to provide a highly flexible and customisable web-based service offering specifically tailored to meet different user community needs. Following the successful delivery of the feasibility study, the project is now moving into the development phase and pilot trials, with key user community stakeholders, scheduled for late 2020. Our presentation will provide an overview of the EuroSIM CBRN concept along with the findings of the feasibility study, focusing on its applicability to Nuclear Security.

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