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## Digital Single Market

News article 20 January 2014

# EU awards 3.3 million to RASimAs for simulating anesthesia outcome

A better outlook for those about to undergo surgery or have a child: The RASimAs project has been awarded 3.3 million euros to work on a virtual reality simulator for doctors performing regional anesthesia. This tool supports prediction and avoidance of possible complications during regional anesthesia providing a precise anatomy of every single patient.

# RASimAs



[1]

The new virtual reality platform would both train medical doctors and assist them while performing regional anesthesia – including so called spinal anesthesia or an epidural, frequently used when women are giving birth and C-sections.

The simulator could prevent possible complications such as post-dural puncture headache, hypotension and total spinal block as well as decrease the onset of block time and failure rates.

### Safer for patients

"Patient-specific training and treatment of regional anesthesia provides a safer environment for

patients while saving healthcare costs", says Prof. Rolf Rossaint, Leading Anesthesiologist at Uniklinik RWTH Aachen and Vice Rector of RWTH Aachen University.

14 partners from 11 European countries including hospitals, universities and companies are unifying their efforts to develop this medical tool.

The EU is supporting the project through its 7th Framework Program with 3.3 million euros (total cost: over 4.5 million euros).

More info: [RASimAs \(Regional Anaesthesia Simulator and Assistant\)](#) [2]

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