

For Immediate Release

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ALIGNED: successfully bringing new big data technologies from research into industry

After three years of collaboration between industry and academia and €4 million of funding from the European Commission's Horizon 2020 program, the ALIGNED project has successfully rolled out five trial platforms showcasing its success in applying the latest big-data research findings to solving the problems of industry.

The project tackled problems in a wide range of areas and showed how the latest semantic technologies could help create smarter legal information systems, provide better management of health data and help construct high-quality archaeological and historical datasets. In all of these areas people are struggling to harness the available data, and in all of these areas, ALIGNED's semantic and model-driven technologies were able to help.

According to Dr. Kevin Feeney, of Trinity College Dublin, who coordinated the project, the critical insight is that, in the era of big-data, everybody is struggling with similar problems: "the Internet has made vast quantities of data available to everybody, but the size and complexity of this data are such that new methods and technologies are needed for organizing and managing it and for integrating it with software systems. Across all domains – from science to medicine, publishing and data-intensive business applications – there are exciting new opportunities to apply big-data analytics to reveal new insights and breakthroughs, but existing tools tend to break at scale. Therefore, we have concentrated on developing some of the latest academic research in the area of software tools that can be used in industry. It's very satisfying to see these tools already being used in production systems in multiple domains to solve real problems."

Andreas Koller, from the Semantic Web Company, has focused on the PoolParty use case for enriching data quality management in the semantic technology suite and increase productivity in software development with the Smart Development Assistant integrated into ATLISSIAN software development tools.

"We have taken the latest methods and technologies to bring PoolParty to another level with data quality features our partners and customers have highly requested. The PoolParty software development team productivity has increased with the Smart Development Assistant based on the ALIGNED metamodel which is the basis for the PoolParty design intent ontology DIOPP developed together with the computer science researchers."

About Semantic Web Company

An Exciting Journey from Day One!

Semantic Information Management: technology trends come and go. Since 2000, we create semantic solutions that got easier to use and more complex at the same time. At a time when many considered semantic technologies too advanced for everyday use, we looked into the future. The vision of complexity being structured, quickly accessible and profitable, drives us forward.

Today, Fortune 500 companies rely on our semantic information management solutions. We travel on to explore the next generation of graph-based knowledge management systems in cooperation with leading research institutes worldwide. Founded in 2004, the Semantic Web Company is the vendor of PoolParty Semantic Suite (www.poolparty.biz) and was named on KMWorld's 2016 and 2017 prestigious list of "100 Companies that Matter in Knowledge Management."

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