



# Press Release

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## **INTERGEO 2012: Interactive urban planning at home**

**Large-scale projects in urban development are magnets for conflict. Fraunhofer IGD will present at this year's INTERGEO in Hanover how citizens can be involved in urban development and how better solutions are thus found for all parties concerned.**

(Darmstadt/Rostock/Graz) A city is changing. It grows in some places, other areas are recording a decline in development and population. Politics and citizens must respond to the changes. Oftentimes, this results in conflicts due to different interests. A comprehensive analysis of the situation and an equally transparent communication of the existing possibilities helps diffuse disputes.

“Information on urban planning must be publicly available, and the decision-making processes must be transparent and comprehensible for each citizen”, says Dr. Eva Klien of Fraunhofer IGD. “We would like to provide the opportunity to all parties to get actively involved in the structural and infrastructural development of their city.”

Together with eight other European project partners, Klien's team is working on technologies within the EU project urbanAPI to allow for a comprehensive analysis of different planning projects in an interactive 3D internet visualization. According to the vision of the Fraunhofer researchers, it will thus be possible in the future to incorporate a newly planned bus route in an interactive 3D model. On a website, this planning variant with its simulated impacts on the traffic flow will be visible to everyone. If the resident does not like this planning, he or she may change the course in the representation and will directly see the presumed effects as well.



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Together with a comment, he or she then sends the counter-proposal to the competent authority. "This way, decisions are not only conveyable in a much more transparent way", says Klien. "The creativity of the citizens is also used to find solution ideas closer to the actual requirements of the population." At the same time, those responsible should also get a better overview of the impact of their decisions.

Fraunhofer IGD has included its CityServer3D in the EU project urbanAPI. The CityServer3D administers and links two- and three-dimensional geographic data, automatically creates three-dimensional models and also allows for simulations with 3D representations. The CityServer3D will be presented at the INTERGEO 2012 show in Hanover in Hall 9 Booth F.14 from October 9 through 11.

## **Further Information**

[www.cityserver3d.de](http://www.cityserver3d.de)

[www.urbanapi.eu](http://www.urbanapi.eu)

[www.intergeo.de](http://www.intergeo.de)

## **Note:**

Fraunhofer IGD, the world's leading research institution for applied Visual Computing, is celebrating its 25<sup>th</sup> anniversary this year. The official ceremony according to the motto "25 years visually - virtually - digitally" will be held in Darmstadt on November 14, 2012.

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Caption: [M] Fraunhofer IGD has included its CityServer3D in the EU project urbanAPI. The CityServer3D administers and links two- and three-dimensional geographic data, automatically creates three-dimensional models and also allows for simulations with 3D representations. (right of use: Fraunhofer IGD)



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Fraunhofer IGD is the world's leading institute for applied research in Visual Computing. Visual Computing is image- and model-based information technology. It includes computer graphics, computer vision, as well as virtual and augmented reality.



Fraunhofer IGD develops prototypes and complete solutions pursuant to customer-specific requirements. The researchers at Fraunhofer IGD use, record and process images and graphics for all conceivable computer-based applications.



The research and development projects of Fraunhofer IGD directly relate to current business issues. The application spectrum of the concepts, models and practical solutions is as diverse as it is specialized. It ranges from virtual product design via medical science, transportation all the way to multi-media learning and training.



Together with its partner universities, Fraunhofer IGD researches various key technologies and cooperates with companies in many different industry sectors. In addition to the head office in Darmstadt, Fraunhofer IGD has further sites in Rostock, Graz and Singapore. It has more than 200 (full-time equivalent) employees. The budget amounts over 16 million euros.

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