

# Inspiration for a smarter World

This is the motto of the Intergeo Conference 2022, where the English language edition of GEOmedia, usually issued as the third of the year in the summer, will be distributed on next October.

The Conference will highlight current developments in surveying with following main topics:

*Digital Twins and their value creation*  
*4D-geodata and geospatial IoT*  
*Potentials of remote sensing*  
*Industrial surveying, measurement systems and robotics*  
*Smart Cities and mobility in the context of climate change and sustainability*  
*Mobile mapping, Web services and geoIT in disaster management*  
*Spatial reference and positioning*  
*Earth observation and Galileo*

Trend topics such as Building Information Modeling (BIM) and the diverse application possibilities of the Digital Twins, but also the current requirements for the Smart City and rural areas have their fixed place in the Conference. The Digital Twins will be a matter of particular importance in this edition. The focus will be on their use in Building Information Modeling, smart planning and construction.

But let's go to see the content of this issue where we start with a Focus "From the field to the clouds: data collection and publication with QGIS" by Paolo Cavallini, Matteo Ghetta and Ulisse Cavallini, about the main solutions available for data collection and seamless publications over the web: MerginMaps, Qfield, Lizmap, with an example from a water resources project in Gambia. A following Focus is on "Open-source GIS software and components for modelling watershed phenomena", by Flavio Lupia and Giuseppe Pulighe, over the recent version of the Soil and Water Assessment Tool (SWAT) that was implemented by a dedicated QGIS plugin (QSWAT), widening the userbase and the potential modelling application worldwide. Then we'll go to the Reports "Mobile Robotics and Autonomous Mapping: Technology for a more Sustainable Agriculture" by Eleonora Maset, Lorenzo Scalera and Diego Tiozzo Fasiolo, concerning the automation in geomatics for agriculture using robotics platforms, that must be equipped with appropriate technology. And "Geographical Information: the Italian Scientific Associations and... the Big Tech" from Valerio Zunino, observing that while the World is changing, the Italian Scientific Associations of Geographical Information are not.

Marco Lisi, in "Time and Longitude: an unexpected affinity", talks about the Time, the fourth dimension, becoming increasingly important in all aspects of technology and science.

Finally, don't miss "Potatoes, Artificial Intelligence and other amenities: playing with Colors on Panchromatic Aerial Photographs", by Gianluca Cantoro from Italian National AirPhoto Archive (Aerofototeca Nazionale, AFN), discussing about the use of historical photographs, whether taken from the air or from the ground, are usually synonyms of grayscale or sepia prints.

*Enjoy your reading,*  
*Renzo Carlucci*