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## The geographic information systems in the era of big data: The impact on society

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In the age of mobile devices, applications based on global positioning systems, social networks and mass storage systems are in the "cloud". Geographic information systems (GIS) take a step forward in their evolution, by implementing new technologies and integrating all the sources of information provided by the internet. With the objective of spatial data analysis, GIS and web-based applications have always had a close relationship especially if we take into account the use of the internet in the last decades. One might think that the elements of a spatial data infrastructure have not changed over the years, but in recent years new organizational structures have been established, shattering current paradigms. The new times require us to change our GIS developments, for the next step in the evolution of digital platforms. Today, advanced space systems are infiltrating the terabyte fields and approaching petabyte day by day. Borders have been overtaken by new spatial data sources. Different problems have been observed when sharing such data in the web. The solutions that have been implemented in the last decade have been exceeded in their capacities in the field of hardware as well as software. In this talk we will address the issue of spatial data, how they can impact on issues of interest to society and what new technologies are being implemented in their analysis.

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