

Geospatial Modeling & Visualization

A Method Store for Advanced Survey and Modeling Technologies

GMV Geophysics GPS Modeling Digital Photogrammetry 3D Scanning Equipment Data and Projects by Region

GIS/RS

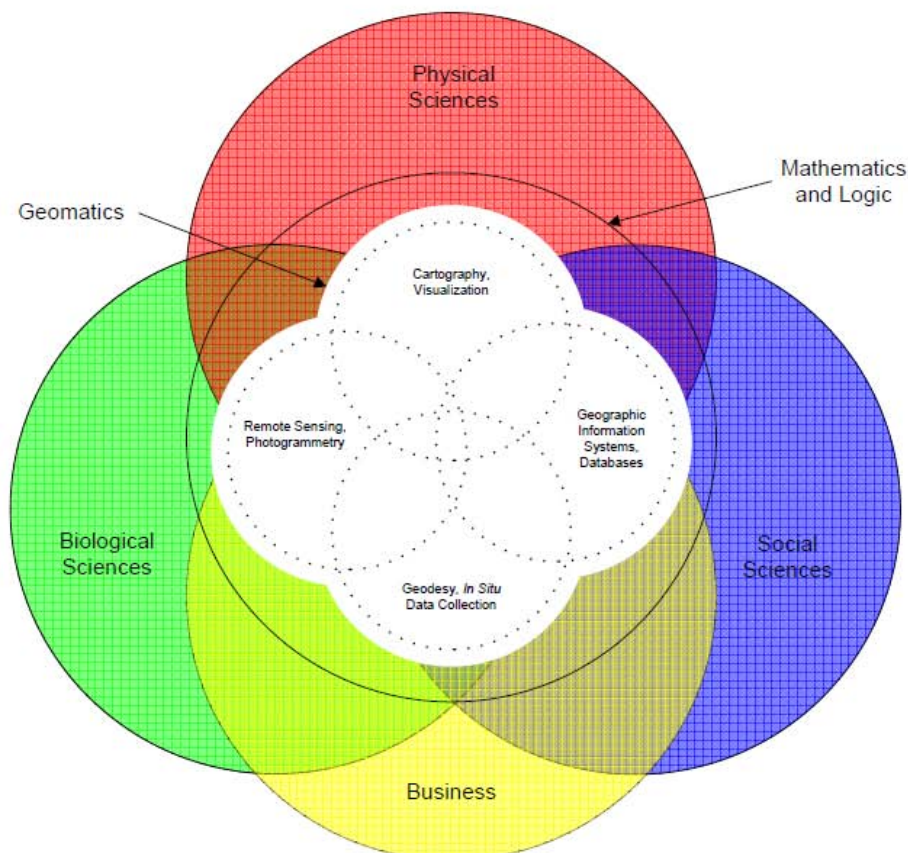
Software

The great majority of the research, teaching and outreach activities at CAST can all be subsumed under the term geomatics. We have selected the term geomatics to encompass efforts often categorized under such terms as GIS, GIScience, geospatial technology, remote sensing, photogrammetry, cartography, surveying, geodesy, etc. The definition of geomatics is evolving.

A working definition of geomatics might be "the art, science and technologies related to the management of geographically-referenced information."

Geomatics includes a wide range of activities, from the acquisition and analysis of site-specific spatial data in engineering and development surveys to the application of GIS and remote sensing technologies in environmental management.

In addition to encompassing some or all of these topics our understanding of the term is somewhat more expansive, including aspects of public policy, business, etc. The graphic below illustrates a sense of this relationship.



See below for some of the projects at CAST:

[Terrestrial Habitat Mapping Project](#)

[University of Arkansas Spatial Library \(UASL\)](#)

[Remote Sensing at Pisco, Peru](#)

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