



Global Geodetic Observing System: Meeting the Requirements of a Global Society on a Changing Planet in 2020 (Paperback)

By -

Springer-Verlag Berlin and Heidelberg GmbH Co. KG, Germany, 2014. Paperback. Book Condition: New. 2009 ed.. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****. The Global Geodetic Observing System (GGOS) has been established by the International Association of Geodesy (IAG) in order to integrate the three fundamental areas of geodesy, so as to monitor geodetic parameters and their temporal variations, in a global reference frame with a target relative accuracy of 10 cm. These areas, often called pillars, deal with the determination and evolution of (a) the Earth's geometry (topography, bathymetry, ice surface, sea level), (b) the Earth's rotation and orientation (polar motion, rotation rate, nutation, etc.), and (c) the Earth's gravity field (gravity, geoid). Therefore, Earth Observation on a global scale is at the heart of GGOS's activities, which contributes to Global Change - search through the monitoring, as well as the modeling, of dynamic Earth processes such as, for example, mass and angular momentum exchanges, mass transport and ocean circulation, and changes in sea, land and ice surfaces. To achieve such an ambitious goal, GGOS relies on an integrated network of...



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