



## SciDB and Geoinformatics Analysis

Paul Brown

Paradigm 4 Inc, Waltham, Massachusetts, United States

The SciDB project took as its design goals a list of features identified as being critical to scientific data management in a survey of working scientists (Stonebraker et al 2009). Earth scientists working with remote sensing data were well represented among those polled so it should come as no surprise that the platform has been embraced by that community. In this talk we focus on work done by researchers at NASA and INPE, and on applications created by commercial data providers in Korea and the United States. For each use-case, we will review the project team's objectives, the nature and quantity of the data involved, the their workload queries. As we discuss each use-case we will describe what is emerging as "best practice" for data management and analysis in this space.

M. Stonebraker, J. Becla, D. J. DeWitt, K. T. Lim, D. Maier, O. Ratzesberger, and S. B. Zdonik. Requirements for science data bases and scidb. In CIDR 2009, Fourth Biennial Conference on Innovative Data Systems Research, Asilomar, CA, USA, January 4-7, 2009, Online Proceedings, 2009.