

Request for Feedback/Input for the Second Edition of:

The 3-D Global Spatial Data Model:

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Introduction

The first edition of “The 3-D Global Spatial Data Model: Foundation of the Spatial Data Infrastructure” was published by CRC Press in April 2008. Given developments since then and recognizing the need for application-specific material, I have agreed with CRC Press to prepare material for a Second Edition to be called: “The 3-D Global Spatial Data Model: Principles and Applications.” The Second Edition manuscript is due to CRC Press April 1, 2016.

The purpose of writing the 3-D book was to help bridge the gap between rigorous geometrical concepts and “flat-earth” applications involving the use of 3-D digital spatial data. The [Foreword](#) of the first edition discusses evolution of models in the abstract and attempts to show how the global spatial data model (GSDM) can serve the needs of most spatial data users without sacrificing geometrical rigor. The [Preface](#) describes organization of material in the book and challenges each reader to “think outside the box” with regard to changing attitudes about how spatial data are used.

Plans call for the Second Edition to include additional material on least squares, spatial data accuracy, and consideration of the impact of performing geometrical computations in 3-D space as opposed to performing computations on the ellipsoid or on a mapping surface. As reflected in a new subtitle, the need for discussion of specific applications is recognized. Various applications will be described and actual examples included in the Second Edition.

Of course, plans can and will be modified based upon responses from the user community.