



Dr. Berry has been involved with GIS and geospatial technologies for over four decades. He will be sharing his thoughts on similarities and differences in Natural Resource and Agriculture use of GIS technology with particular emphasis on map analysis and modeling. All are welcome; open to the public.

The presentation will take place in the **North Classroom Building, Room 5032, University of Colorado at Denver, Auraria Campus.**

GIS in Natural Resources and Agriculture

Wednesday, October 8, 2014 9:30 to 10:30am ([Handout](#) with online references; [PowerPoint](#) with presentation notes, 18MB)

Often Natural Resources and Production Agriculture are viewed as similar endeavors where forests are just a larger form of a crop—hence the U.S. Forest Service is in the Department of Agriculture. However their modern expressions identify significant differences in their motivations, goals, decision environments, technological approaches and applications. This presentation assesses the similarities and differences in Natural Resource and Agriculture use of GIS technology with particular emphasis on map analysis and modeling.

Note: [download](#) special embedded animated slide set on Backcountry Emergency Response linked to slide #4 (Travel-time Surface)

Supporting Online/Hardcopy Book Series

Beyond Mapping: Compilation of 25 Years of Essays and Activities about GIS

The Beyond Mapping Compilation Series is organized into **Four Online/Hardcopy Books**



The [Beyond Mapping Compilation Series](#) of the 25-year run of the “Beyond Mapping” column by [Dr. Joseph K. Berry](#) in GeoWorld is finally “soup.” The nearly 1000 pages and more than 750 figures in the Series provide a comprehensive and longitudinal perspective of the underlying concepts, considerations, issues and evolutionary development of modern geotechnology, including remote sensing, GIS, and GPS.

The Series is organized into four online books (with hard copy options), each containing an *Introduction*, *Ten Topics*, *Epilogue*, and *Further Readings* with links to online support materials including additional online readings, color graphics files, instructor materials, and software for “hands-on” exercises that are cross-referenced to the topics.

Book IV — [GIS Modeling](#): Applying Map Analysis Tools and Techniques (columns from 2007 to 2014). This compilation extends earlier discussions of map analysis concepts, procedures, approaches, applications and issues affecting contemporary relevance and future potential.

Book III — [Map Analysis](#): Understanding Spatial Patterns and Relationships (columns from 1996 to 2007). This compilation develops a structured view of the important concepts, considerations and procedures involved in grid-based map analysis.

Book II — [Spatial Reasoning](#) for Effective GIS (columns from 1993 to 1996). This compilation encourages the reader to extend the historic role of maps telling us “Where is what?” to “So what?”

Book I — [Beyond Mapping](#): Concepts, Algorithms and Issues in GIS (columns from 1989 to 1993). This compilation describes an emerging technology that goes beyond traditional mapping and spatial database management to new concepts and procedures for modeling the complex interrelations among spatial data of all kinds.

The resource is available at <http://www.innovativegis.com/basis/BeyondMappingSeries/> and permission to use portions of the Beyond Mapping Compilation Series collection of columns for educational and non-commercial purposes is granted (and encouraged). Navigation within this tsunami of information is aided by five separate organizational listings of the individual Beyond Mapping columns, including a [Chronological Listing](#) of the nearly 300 individual Beyond Mapping columns; an [Application Listing](#) that organizes the columns by application areas; an [Operations Listing](#) that organizes the columns by operational topic/theme discussed; an [Interactive Listing](#) (.doc) that can be searched/sorted by any word or phrase, topic, theme and application area; and a soon-to-be-published [Combined Index](#) of keywords and phrases covering all four books (in progress; planned for Fall 2014).