# Big Geospatial Data

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| Creator Name | Jie Tian |
| Content Title | Module 1 - 0. Big Geospatial Data |
| Content Type | Lecture Slides |
| Part Of | Module 1: Fundamentals of CyberGIS |
| Learning Objectives | (for all of Module 1)<br><br>By the end of the semester, the students will be able to<br><br>○ Understand the important concepts and principles used in the Cyberinfrastructure and CyberGIS research communities.<br>○ Have a relatively comprehensive overview of the CyberGIS framework with all the key elements and their structuring.<br>○ Widen their vision of GIS in the emerging paradigm of big data driven research. |
| Background Knowledge | (for all of Module 1) Basic concepts and terminology of GIS and computing (e.g. data processing, programming, algorithm) |
| Resources Needed | (for all of Module 1) Theoretical module; no requirement on hardware or software |
| Work Mode | (for all of Module 1) Watching the lectures in person and reading assigned articles |

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| Relation to Project | (for all of Module 1) This module is designed to lay the basic theoretical foundation for CyberGIS as a scientific discipline and to prepare students for more advanced topics such as High Performance Geocomputing. |
| Feedback Needed | (for all of Module 1) General feedback |