

# Convergence Curriculum for Geospatial Data Science

*Thursday 27 October 2022 10:10 (1 hour)*

The Convergence Curriculum for Geospatial Data Science is an integrative curriculum to prepare students, scholars, and professionals to build the necessary knowledge, skills, and competencies to solve convergent problems without having to go through a series of multi-week regular courses. This multi-tiered curriculum starts with 5 Foundational Knowledge Threads to establish a common basis for individuals coming from diverse backgrounds. Individual learners begin to integrate skills, knowledge, methods, and technologies as they move up through Knowledge Connections and Knowledge Frames. The pinnacle of the curriculum is Knowledge Convergence, which combines previous competencies with existing domain knowledge. Each component in the curriculum can be tailored to individuals at varying depths: 3 sentences, 3 slides, a 3-hour module, or a 3-week unit. This configuration allows learners to adapt their learning experience to match their own learning pathway. In this poster, we will share example curriculum materials that combine new materials with existing Open Education Resources (OERs) and the first draft of the Convergence Curriculum for Geospatial Data Science.

## Research

## Education and Outreach

Convergence Curriculum for Geospatial Data Science

## Data & Cyberinfrastructure

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**Session Classification:** Poster session I