

ipsdi: Changes in Employment, How Employees Shift Sectors Over Years

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Project idea: This project will examine employment trends and sectoral transitions over the years (2008 – 2023), integrating geospatial and thematic data to explore shifts in employment across different sectors. The project will establish reproducible workflows to incorporate annual employment data by sector (e.g., education, healthcare, technology). These datasets will be stored in an enterprise geodatabase (e.g., PostGIS) in compliance with ISO 13249-3 formats. The data will be described using ISO 19115 metadata standards and published in XML format (ISO 19139:2007) to a geospatial catalogue. View services (OGC WMS/WMTS) and download services (OGC WFS/WCS) will be developed to make the data available as open-GIS resources. The projects will utilize story maps to visualize employment distribution, sectoral transitions, demographic breakdowns (age and gender), and regional employment data across federal states, improving data accessibility and providing valuable insights for decision-makers and researchers.

Stakeholder group(s): Policymakers, educational institutions, researchers

Identified resources(s): Employment data compiled by AMS

Keywords

Employment, Sectoral Transition, database