

## Geoscience in Your State: Kentucky

Businesses that help the state and the people prosper, make a difference, and improve processes that sustain life and the economy. Understanding the state's values and objectives, its resources, history, and landscape are deeply relevant to social, economic, environmental, health, and development issues.



- 173,000 private employees, 100,000 self-employed
- 300 million people, 100 million employed
- 130 billion value of value added production in 2007
- 4000 large businesses, including 2000 firms, 20 food and 1000 others (2003-2007)
- 534,000 MSMEs, 200,000 in 2007

- 25 miliónov € ročne investície do IT
- 1,5 miliónov € ročne investície do výskumu a vývoja
- 4 miliónov € ročne investície do IT

• 173 species: empirical (not derived) estimate	• 417 taxa: empirical (not phylogenetic) pooled
n=374	n=374
• 1037 missing taxa: species: empirical (not derived) estimate	• 3740 taxa: empirical (not phylogenetic) pooled
n=424	n=374

[illegible][illegible]

Gli studi di riferimento riportano 200 punti  
 complessivi assegnati per la TC. Trovati sotto i 100 è un livello  
<http://www.ipsos.com/ipsos/italy> | [www.ipsos.it](http://www.ipsos.it)

- 3,159 geoscience employees (excludes self-employed)<sup>1</sup>
- 207 million gallons/day: total groundwater withdrawal<sup>3</sup>

- \$592 million: value of nonfuel mineral production in 2017<sup>4</sup>
- 74 total disaster declarations, including 29 severe storm, 22 flood, and 8 fire disasters (1953-2017)<sup>6</sup>
- \$314,000: NSF GEO grants awarded in 2017<sup>14</sup>...

## Read more in this Geoscience in Your State Factsheet...

### Agencies Working on Geoscience Issues in Kentucky

#### **Kentucky Department for Environmental Protection**

<https://eec.ky.gov/Environmental-Protection/Pages/default.aspx>

The Kentucky Department for Environmental Protection's mission is to protect and enhance Kentucky's environment. This mission has a direct impact on Kentucky's public health, citizens' safety, and the quality of Kentucky's natural resources.

#### **Kentucky Department for Natural Resources**

<https://eec.ky.gov/Natural-Resources/Pages/default.aspx>

The Kentucky Department for Natural Resources, through its divisions and partnerships, provides technical assistance, education and funding to help landowners, institutions, industries, and communities in conserving and sustaining Kentucky's natural resources. In addition, the department inspects timber harvests and mining operations to ensure the protection of citizens, the environment, and workers.

#### **Kentucky Emergency Management**

<https://kyem.ky.gov/Pages/default.aspx>

Kentucky Emergency Management (KYEM) is a division of the Kentucky Department of Military Affairs. Among other programs, KYEM co-ordinates dedicated programs related to earthquakes, hazardous materials, and superfund sites.

#### **Kentucky Energy and Environment Cabinet**

<https://eec.ky.gov/Pages/index.aspx>

Kentucky's EEC oversees energy development and environmental protection in Kentucky. The EEC consists of three departments: the Department for Environmental Protection, the Department for Natural Resources and the Department for Energy Development and Independence.

#### **Kentucky Geological Survey**

<http://www.uky.edu/KGS/>

The mission of the Kentucky Geological Survey (KGS) is to provide for citizens, researchers, industry, and government, scientifically based information on Kentucky's geology and mineral and water resources.

#### **Kentucky Office of Energy Policy**

<https://eec.ky.gov/Energy/Pages/default.aspx>

The Office of Energy Policy was created through an Energy and Environment Cabinet Reorganization during the 2018 Kentucky General Assembly. The OEP retains many functions of the former Department for Energy Development and Independence. The mission of the OEP is to utilize Kentucky's energy resources for the betterment of the Commonwealth while protecting and improving the environment.

### Maps & Visualizations



Interactive database for geologic maps of the United States  
U.S. Geological Survey

The U.S. Geological Survey hosts the National Geologic Map Database (NGMDB). This interactive tool serves as a national archive for high-quality, standardized geologic maps created by the U.S. Geological Survey and state geological surveys. The MapView section of the NGMDB displays geologic maps...

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## Case Studies & Factsheets



### Geoscience in Kentucky

By the numbers: Kentucky 3,159 geoscience employees (excludes self-employed)1 207 million gallons/day: total groundwater withdrawal3 \$592 million: value of nonfuel mineral production in 20174 74 total disaster declarations, including 29 severe storm, 22 flood, and 8 fire disasters (1953-2017)6...

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## Webinars & Forums



### 2014 Critical Issues Forum: America's Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy

The 2014 Critical Issues Forum, entitled "America's Increasing Reliance on Natural Gas: Benefits and Risks of a Methane Economy", examined the 5- to 30-year outlook for the development of a natural gas-dominant energy sector in North America and discussed the associated benefits and risks.

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