

Geoscience in Your State: Iowa

Examine the role of the state in the development, maintenance, and reform processes that sustain and the economy, understanding the state's role and influence in resource, labor, and capital allocation and development, and the state's role in environmental health and safety, education, and health care.



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- 370 producers employed (non-forestal) employed
- £3 million plus in total production value
- £24 million value of value-added production in 2017
- £120,000 in exports, including 17 food, 15 services, and 4 commodities (193,000)
- £2.7 million (6-12) total assets in 2017

- 130 mil millones de toneladas de producción en 2017
- Crecimiento sostenido en el sector agrícola

• 133 positive responses to both surveys	30%
• 30% negative responses to both surveys	30%
• 57% negative responses to one survey	30%
• 14% positive responses to one survey	30%

• 25 milia gniazd, 200 par i młodych widać	• 100 tysięcy szarych, 10 tysięcy białych
• 1500 gniazd, 200 par i młodych widać	• 1000 par i 1000 młodych 15.05.07
• 20 milia gniazd, 200 par i młodych widać	• 170 milia szarych, 1000 białych 16.05.07
• 5 milia gniazd, 200 par i młodych widać	• 120 milia szarych, 2000 białych 17.05.07
• 20 milia gniazd, 200 par i młodych widać	• 124 milia par i młodych 18.05.07
• 10 milia gniazd, 200 par i młodych widać	• 150 milia par i młodych 19.05.07
• 10 milia gniazd, 200 par i młodych widać	• 1000 par i 1000 młodych, 2000 białych widać 20.05.07

- 12 trials: baseline, 10 days, 25 weeks post, and 4 months post (25-30)
- 51 trials: initial baseline post (26-30)
- 52 trials: multiple post (26-30)
- 54 trials: posttest post (26-30)
- 53 trials: public edition post (26-30)
- 4 trials: on-site pretest, on-site evaluation (26-30)

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- 3,913 geoscience employees (excludes self-employed)¹
- 630 million gallons/day: total groundwater withdrawal³

- \$583 million: value of nonfuel mineral production in 2017⁴
- 62 total disaster declarations, including 27 flood, 25 severe storm, and 4 tornado disasters (1953-2017)⁶
- \$2.71 million: NSF GEO grants awarded in 2017¹⁴...

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

Agencies Working on Geoscience Issues in Iowa

Iowa Department of Natural Resources

<https://www.iowadnr.gov/>

The Iowa Department of Natural Resources manages fish and wildlife programs, ensures the health of Iowa's forests and prairies, and provides recreational opportunities in Iowa's state parks. Just as importantly, the DNR carries out state and federal laws that protect air, land and water through technical assistance, permitting and compliance programs. The DNR also encourages the enjoyment and stewardship of natural resources among Iowans through outreach and education.

Iowa Geological Survey

<https://iowageologicalsurvey.org/>

The Iowa Geological Survey plans and implements programs that result in the acquisition of comprehensive information on the mineral and water resources of the State, with emphasis on water supply developments and monitoring the effects of environmental impacts on water quality.

Iowa Homeland Security and Emergency Management Department

<https://www.homelandsecurity.iowa.gov/>

The Iowa Homeland Security and Emergency Management Department leads, coordinates, and supports homeland security and emergency management functions in order to establish sustainable communities and ensure economic opportunities for Iowa and its citizens. Emergency management activities related to the geosciences include preparedness for and response to floods, tornadoes, snow storms, and other natural hazards.

Iowa Mines and Minerals Bureau

<https://iowaagriculture.gov/mines-and-minerals-bureau>

The Iowa Mines and Mineral Bureau is housed within the Iowa Department of Agriculture. The Bureau handles abandoned mine land reclamation, as well as regulation, licensing, permitting, and bids for coal and mineral resource projects.

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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Present Day Climate Change

Climate Science 101 Climate is the average of weather conditions over several decades.^{1,2} Geoscientists monitor modern climate conditions (1880 A.D. to present) in part by taking direct measurements of weather data (i.e., air temperature, rainfall and snowfall, wind speed, cloudiness, and so on)...

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