Our climate shapes our lives. The ways we build our roads, manage our farms, move our water, and use our energy are all influenced by our unique Indiana climate. But our climate has been changing, and we expect it to continue changing in ways that will affect our productivity, our safety, and our livelihoods. We need to know what climate change means for Indiana.

Led by the Purdue Climate Change Research Center (PCCRC), the Indiana Climate Change Impacts Assessment (IN CCIA) is a statewide effort that will bring together a diversity of experts to synthesize available climate change research into a series of reports detailing how a changing climate will affect state and local interests.

This assessment will provide accessible, credible climate science to Hoosiers, allowing us to better understand climate change-related risks so we can build effective plans for a more productive future.

### ASSESSMENT TOPICS
- Agriculture
- Climate trends
- Energy
- Ecosystems
- Infrastructure
- Public health
- Tourism & recreation
- Water resources

### Climate Change Impacts

Changing temperature and precipitation patterns will have profound impacts on natural and human-built environments. Awareness of climate change impacts can help Hoosiers prepare for the challenges and capitalize on the opportunities.

The IN CCIA will translate known regional risks into more localized impacts to support actionable decision making and improved planning.

<table>
<thead>
<tr>
<th>Predicted Climate Change</th>
<th>Potential Transportation Impacts</th>
<th>Potential Health Impacts</th>
<th>Potential Agriculture Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased temperatures</td>
<td>Pavement buckling, rutting</td>
<td>Increased mortality from heatwaves</td>
<td>Lengthened growing season</td>
</tr>
<tr>
<td></td>
<td>Lengthened construction season</td>
<td>Decreased cold-related mortality</td>
<td>Reduced crop yields</td>
</tr>
<tr>
<td>More heavy rainfall</td>
<td>Bridge damage from stream scour</td>
<td>Water-borne disease outbreaks</td>
<td>Nitrogen loss</td>
</tr>
<tr>
<td></td>
<td>Road closures</td>
<td></td>
<td>Reduced field access at planting/harvest</td>
</tr>
</tbody>
</table>

Sources: National Climate Assessment; John Posey (East-West Gateway Council of Governments)
WE ARE IN THIS TOGETHER

Our primary focus is **creating information that matters.** We’re taking a collaborative approach to engage experts and decision makers in a meaningful dialogue about climate change concerns, impacts, & information needs. By connecting with stakeholders early, and often, throughout the assessment process we can better understand key vulnerabilities, risks, and reasons for concerns and ensure the IN CCIA includes relevant information that is usable by state and local decision makers.

Participating Organizations

The PCCRC is coordinating with groups across the state to ensure the IN CCIA is comprehensive and relevant to a variety of interests. Participating organizations contribute in various ways, such as co-hosting and/or attending feedback sessions, co-authoring reports, reviewing assessment materials, and/or disseminating results.

- Ball State University*
- Carmel Green Initiative
- Central Hardwoods Climate Change Response Framework*
- Earth Charter Indiana
- Hoosier Environmental Council
- Illinois-Indiana Sea Grant*
- Indiana Dept of Natural Resources*
- Indiana Farm Bureau
- Indiana Geological Survey*
- Indiana Public Health Association
- Indiana State Department of Health*
- Indiana State University*
- Indiana University*
- Indiana University-Northwest*
- Indiana University-Purdue University Indianapolis*
- Indiana Utility Regulatory Commission*
- Indiana Water Resources Research Center
- Indiana Water Resources Association
- ITaP Research Computing (RCAC)
- Marion County Health Department*
- Northwest Indiana Regional Planning Commission
- Polis Center*
- Purdue Calumet*
- Purdue Climate Change Research Center*
- Purdue University*
- State Utility Forecasting Group*
- U.S. Geological Survey*
- University of Notre Dame*

* Working Group contributor

**Would you like to see your organization listed here? Contact us!**

Steering Committee

The IN CCIA Steering Committee includes experts from a variety of sectors and topic areas. They assist with strategic planning, stakeholder engagement, and subject matter expertise.

- Michael Baldwin, Purdue University
- Keith Cherkauer, Purdue University
- Otto Doering, Purdue University
- Erin Hennes, Purdue University
- Daniel Johnson, Indiana University-Purdue University Indianapolis
- Kathy Luther, Northwestern Indiana Regional Planning Commission
- Jamie Palmer, IU Public Policy Institute
- Linda Prokopy, Purdue University
- Daniel Vimont, University of Wisconsin-Madison