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), scientists and decision makers from across the state are working together to develop the Indiana Climate Change Impacts Assessment (IN CCIA).

The IN CCIA will bring together the best available climate change research into a series of comprehensive reports that show 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 and build more effective plans for a more productive future.

**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 collaborating 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
Central Hardwoods Climate Change Response Framework
City of Bloomington
Earth Charter Indiana
Hoosier Environmental Council
Illinois-Indiana Sea Grant
Indiana Association of Cities and Towns
Indiana Department of Homeland Security
Indiana Environmental Health Association
Indiana Farm Bureau
Indiana Geological Survey
Indiana Silver Jackets
Indiana State Department of Health
Indiana State University – Institute for Community Sustainability
IU Public Policy Institute
IUPUI Center for Urban Health
IUPUI Polis Center
Northwest Indiana Regional Planning Commission
Indiana Water Resources Research Center
Notre Dame
Purdue Calumet
Purdue Climate Change Research Center
Purdue University
State Utility Forecasting Group

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

Steering Committee

The IN CCIA Steering Committee includes experts from a diversity 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