

# Initiative for Climate Research

The Discovery Partners Institute recognizes that to create a climate-resilient future, partnerships among businesses, government, civic, and academic institutions are essential. DPI's climate initiative brings these players together. DPI leverages its extensive climate science expertise to conduct research to enable companies to mitigate the effects of climate change, while also strengthening the economy.



## APPLIED RESEARCH TO IMPROVE CLIMATE CHANGE RESILIENCY:



### Supply chain

Climate change and extreme weather events can have significant impact on supply chains, affecting their efficiency, cost, and sustainability.

The goal of DPI's supply chain climate resiliency analysis is to evaluate your supply chain through the lens of weather and climate change. We will identify bottlenecks and locations of greatest risk in your supply chain by generating a risk assessment.



### Urban infrastructure

Investment in infrastructure is significant and a lasting commitment. DPI understands the enormity of these investments and all factors

must be reviewed with great consideration. With our research expertise, we will evaluate your infrastructure, both present and future, to assess the climate and health impact on the local community as well as the resiliency of your investments to the effects of climate change.

## RESEARCH EXPERTISE APPLIED TO REAL-WORLD CHALLENGES

### Climate

On decadal timescales, DPI performs analysis focused on locations critical to your business to assess your company's resiliency to climate change. After we have identified your business vulnerabilities, we will recommend actions to address gaps and co-implement solutions or orchestrate partnerships as needed.



### Weather

On sub-seasonal and seasonal timescales, DPI creates a weather assessment to quantify the risk of disruptive weather events. We use this analysis to recommend appropriate actions to minimize impacts to your business.



### Health

DPI analyzes the specific pollution created by your infrastructure and the effect on the local community to offer recommendations that will improve your carbon footprint. DPI provides recommendations at a city block level to reduce heat and improve quality of life and mental wellbeing.



**Co-implement solutions for future sustainable success**



DISCOVERY  
PARTNERS  
INSTITUTE

PART OF THE UNIVERSITY OF ILLINOIS SYSTEM

DPI does three things

# Tech Talent, Applied R&D, and Business Building

DPI's mission centers on equitable economic development. We prepare people for in-demand tech jobs — from middle school students to adults. We fund applied R&D teams to expand the tech research base. We are developing an ecosystem for building new businesses based on advanced university research and industry needs.

## DPI Industry R&D Program

We build strategic, flexible partnerships to solve your research and innovation needs

### Partnering with DPI: Gives you access to a powerhouse hub of research, education and innovation

- More than 5,000 faculty and 95,000 students
- 42 state-of-the-art facilities, labs, and innovation centers
- Network of 18 federal labs and universities globally
- Over \$2B spent annually on R&D (\$19B economic impact)

### How we work: Our process brings university expertise and innovation to help meet your business needs



#### Curate

We interact with corporations to solve real-world problems. We determine the intersection between your needs and the DPI research expertise from across our network of 18 global partners. In collaboration with you, we formulate consulting projects to meet your needs at industry timescales.



#### Create

We work with you to define research projects to address your needs and we construct multi-disciplinary teams of leading experts across our network to create new opportunities for your business. We offer pioneering research, proof of concept, minimal viable product, rapid prototyping services, and when appropriate, ways to scale up.



#### Orchestrate

We lead and deliver solutions requiring public and private partnerships and create lasting relationships across the ecosystem to solve pressing large-scale problems.



DPI's new headquarters will be located just south of the Loop along the Chicago River, in The 78.

### Benefits of working together:

**DPI's value as a partner goes far beyond the lab**

#### Research

- Pioneering research
- Rapid prototyping and innovation
- R&D extension for industry
- De-risk research and investments
- Research expertise across 18 leading universities and federal labs

#### Access

- Talent – students, faculty and scientists
- Specialized facilities
- Grand tech challenges
- Open innovation
- Forums

#### Funding

- Pursue large funding opportunities
- Shape new RFP opportunities