

# Global Research Initiative in Sustainable Low Carbon Unconventional Resources

Transforming energy research to fuel a clean energy future.

The Global Research Initiative in Sustainable Low Carbon Unconventional Resources (GRI) is a major vehicle to translate lab-based technology innovations into field-deployable solutions. Focused on collaborative research between the world-class innovators from the University of Calgary and international partners, GRI creates a network of global hubs for discovery, creativity and innovation in unconventional energy research.

 **75** million over 7 years

 **45** research projects

 **142** inventions

 **15** start-up companies

 **80** new jobs created including **6** faculty positions

 **66** GRI faculty members involved

 **228** student opportunities created

 **105** postdoctoral fellows recruited

 **98** awards received by GRI researchers

 **326** CFREF supported proceedings & publications

## Research Collaborations



## Research Capacity



**Theme 1: Heavy Oil & Bitumen**  
With a goal to boost energy efficiency, reduce environmental impact and improve economics.

**Cross-Cutting Platform: Technology Assessment**  
With a goal to provide system-level analysis of emerging technologies for policy development and decision-making.



### **Theme 3: CO<sub>2</sub> Conversion**

With a goal to reduce the negative environmental impacts of CO<sub>2</sub> and to channel it as a source of unconventional energy.



**Theme 2: Tight Oil and Gas**  
With a goal to mitigate induced seismicity, enhance recovery rate and improve hydraulic fracture design.

## **Driving Innovation. Fueling Results.**

Partner with UCalgary and help us transform energy research to fuel a clean energy future. Get started: [ucalgary.ca/gri](http://ucalgary.ca/gri)



**CANADA  
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RESEARCH  
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FUND

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