




# UT Researchers Pushing Innovative Solution at DOE's Hydrogen Earth Shot Kickoff

AUGUST 23, 2021

 | [Twitter \(https://twitter.com/intent/tweet?text=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F\)](https://twitter.com/intent/tweet?text=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F)

 | [Facebook \(https://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F\)](https://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F)

 | [LinkedIn \(https://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F&title=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff\)](https://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F&title=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff)

Researchers from The University of Texas at Austin are pushing an innovative combination of in-situ combustion and carbon dioxide storage to turn untapped oil into clean hydrogen energy.

Researcher Ian Duncan, who leads the Earth Systems and Environment group at the UT Bureau of Economic Geology, will discuss the method at the U.S. Department of Energy's Hydrogen Shot kickoff symposium on Aug. 31 and Sept. 1. Registration for the virtual symposium is available [here](https://web.cvent.com/event/15f0aaca-7ab2-4dcd-9482-183d30a66374/summary) (<https://web.cvent.com/event/15f0aaca-7ab2-4dcd-9482-183d30a66374/summary>).

“Our aim is to produce relatively cheap hydrogen while sequestering CO<sub>2</sub> elsewhere in the reservoir,” Duncan said. “This would produce carbon-free hydrogen from an energy source that otherwise would remain unused.”




clean hydrogen production pathways as well as deployment and financing will help identify key challenges and potential strategies to address them.


Topics include:


- Electrolysis
- Thermal conversion with carbon capture and storage
- Advanced pathways
- Deployment and financing.

The UT research team includes scientists from the Bureau of Economic Geology and the Hildebrand Department of Petroleum and Geosystems Engineering. The bureau is a research unit of the UT Jackson School of Geosciences.

**For more information, contact: [Anton Caputo \(mailto:anton.caputo@jsg.utexas.edu\)](mailto:anton.caputo@jsg.utexas.edu), Jackson School of Geosciences, 512-232-9623; [Monica Kortsha \(mailto:mkortsha@jsg.utexas.edu\)](mailto:mkortsha@jsg.utexas.edu), Jackson School of Geosciences, 512-471-2241.**

 | [Twitter \(https://twitter.com/intent/tweet?text=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F\)](https://twitter.com/intent/tweet?text=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F)

 | [Facebook \(https://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F\)](https://www.facebook.com/sharer/sharer.php?u=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F)

 | [LinkedIn \(https://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F&title=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff\)](https://www.linkedin.com/shareArticle?mini=true&url=https%3A%2F%2Fwww.jsg.utexas.edu%2Fnews%2F2021%2F08%2Fut-researchers-pushing-innovative-solution-at-does-hydrogen-earth-shot-kickoff%2F&title=UT%20Researchers%20Pushing%20Innovative%20Solution%20at%20DOE's%20Hydrogen%20Earth%20Shot%20Kickoff)

---

Tags: [Bureau of Economic Geology \(https://www.jsg.utexas.edu/news/tag/bureau-of-economic-geology/\)](https://www.jsg.utexas.edu/news/tag/bureau-of-economic-geology/), [climate change \(https://www.jsg.utexas.edu/news/tag/climate-change/\)](https://www.jsg.utexas.edu/news/tag/climate-change/), [energy \(https://www.jsg.utexas.edu/news/tag/energy/\)](https://www.jsg.utexas.edu/news/tag/energy/), [Energy Geosciences \(https://www.jsg.utexas.edu/news/tag/energy-geosciences/\)](https://www.jsg.utexas.edu/news/tag/energy-geosciences/), [Energy Policy \(https://www.jsg.utexas.edu/news/tag/energy-policy/\)](https://www.jsg.utexas.edu/news/tag/energy-policy/), [energy transition \(https://www.jsg.utexas.edu/news/tag/energy-transition/\)](https://www.jsg.utexas.edu/news/tag/energy-transition/)

**[News \(https://www.jsg.utexas.edu/news\)](https://www.jsg.utexas.edu/news)**

[Media Releases \(https://www.jsg.utexas.edu/news/releases/\)](https://www.jsg.utexas.edu/news/releases/)

[Dean's Office \(https://www.jsg.utexas.edu/news/deans-office/\)](https://www.jsg.utexas.edu/news/deans-office/)

[Blogs \(https://www.jsg.utexas.edu/news/blogs/\)](https://www.jsg.utexas.edu/news/blogs/)

[In the News \(https://www.jsg.utexas.edu/news/in-the-news/\)](https://www.jsg.utexas.edu/news/in-the-news/)

[Scientist Profiles \(https://www.jsg.utexas.edu/news/scientist-profiles/\)](https://www.jsg.utexas.edu/news/scientist-profiles/)

[Newsletter \(https://www.jsg.utexas.edu/news/newsletter/\)](https://www.jsg.utexas.edu/news/newsletter/)

[Texas Geosciences \(https://www.jsg.utexas.edu/news/texas-geosciences/\)](https://www.jsg.utexas.edu/news/texas-geosciences/)

[Advancing Excellence \(https://www.jsg.utexas.edu/news/advancing-excellence/\)](https://www.jsg.utexas.edu/news/advancing-excellence/)

[Media Contacts \(https://www.jsg.utexas.edu/about/offices/communications/\)](https://www.jsg.utexas.edu/about/offices/communications/)

## Media Releases

Select Month

## Twitter

[Tweets by txgeosciences \(https://twitter.com/txgeosciences\)](https://twitter.com/txgeosciences)

**< OLDER POST**  
**([HTTPS://WWW.JSG.UTEXAS.EDU](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/)**  
**[/NEWS/2021/08/TRACKING-](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/)**  
**[WATER-STORAGE-SHOWS-](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/)**  
**[OPTIONS-FOR-IMPROVING-](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/)**  
**[WATER-MANAGEMENT-DURING-](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/)**  
**[FLOODS-AND-DROUGHTS/](https://www.jsg.utexas.edu/news/2021/08/tracking-water-storage-shows-options-for-improving-water-management-during-floods-and-droughts/))**

**NEWER POST >**  
**([HTTPS://WWW.JSG.UTEXAS.EDU](https://www.jsg.utexas.edu/news/2021/09/welcome-back/)**  
**[/NEWS/2021/09/WELCOME-](https://www.jsg.utexas.edu/news/2021/09/welcome-back/)**  
**[BACK/](https://www.jsg.utexas.edu/news/2021/09/welcome-back/))**

## **Mailing Address**

Jackson School of Geosciences  
2305 Speedway Stop C1160  
Austin, TX 78712-1692

## **Phone**

(512) 471-6048

**SUPPORT JSG** [➤ \(/ALUMNI/SUPPORT/WAYS-TO-GIVE/\)](#)

## **Departments & Units**

Department of Geological Sciences (<http://www.jsg.utexas.edu/dgs/>)

Bureau of Economic Geology (<http://www.beg.utexas.edu/>)

Institute for Geophysics (<http://ig.utexas.edu/>)

## **Administration & Offices**

College Leadership (</about/leadership/>)

Career Services (</careers/>)

Business Services (</about/offices/business-services/>)

Development and Alumni Relations (</alumni/>)

Office of Communications (</about/offices/communications/>)

Information Technology Office (</about/offices/information-technology/>)

## **Helpful Links**

UT Austin (<http://www.utexas.edu>)

UT Direct (<https://utdirect.utexas.edu>)

Emergency Information (<http://emergency.utexas.edu>)

IT Help (</help>)

[JSG Directory \(/people\)](#)

[JSG Profiles \(https://apps.jsg.utexas.edu/profiles\)](https://apps.jsg.utexas.edu/profiles)

[Contact Us \(/about/contacts/\)](#)

**f** [\\_ \(http://www.facebook.com/UTJSG\)](http://www.facebook.com/UTJSG)   
[. \(https://twitter.com/txgeosciences\)](https://twitter.com/txgeosciences)   
[. \(http://www.youtube.com](http://www.youtube.com/user/JSGUTAUSTIN)  
[/user/JSGUTAUSTIN\)](http://www.jsg.utexas.edu/news/feed)   
[. \(http://www.jsg.utexas.edu/news/feed\)](http://www.jsg.utexas.edu/news/feed)

© 2021 Jackson School of Geosciences,  
The University of Texas at Austin

[Web Privacy \(https://cio.utexas.edu/policies/web-privacy\)](https://cio.utexas.edu/policies/web-privacy) | [Web Accessibility Policy \(https://cio.utexas.edu/policies/web-accessibility\)](https://cio.utexas.edu/policies/web-accessibility) | [Adobe Reader \(https://get.adobe.com/reader/\)](https://get.adobe.com/reader/)