

SPS Internship

**AIP FYI SCIENCE POLICY  
COMMUNICATIONS:**

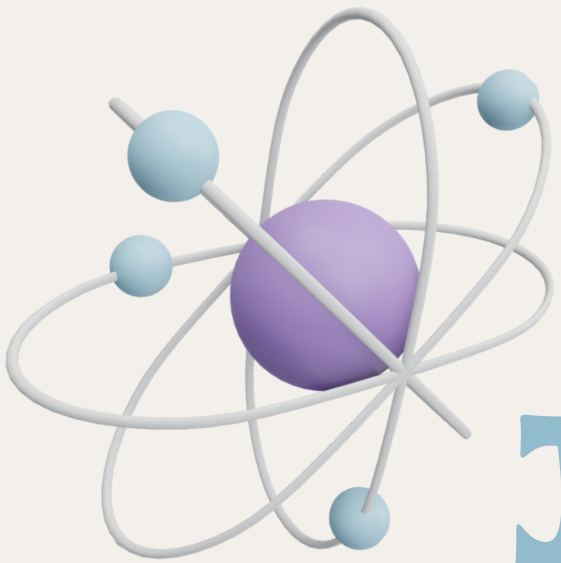
**THE POLICY DECISIONS  
THAT SHAPE OUR  
SCIENTIFIC WORLD**

Julia Buccola



# AGENDA

- Who am I?
- What is FYI? What does FYI do?
- What did I accomplish this summer?
- Why is science policy important for us all?



Who am I?

# JULIA BUCCOLA

Senior Theoretical Physics major  
at Radford University

Previously completed three  
years of research on airborne,  
waterborne microplastics

SPS Vice President, Secretary



# WHAT IS FYI?

- PUBLISHED SINCE 1989
- INTERSECTION OF POLICY AND THE PHYSICAL SCIENCES

## FYI: Science Policy News

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[BILL TRACKER](#)

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[ABOUT FYI](#)



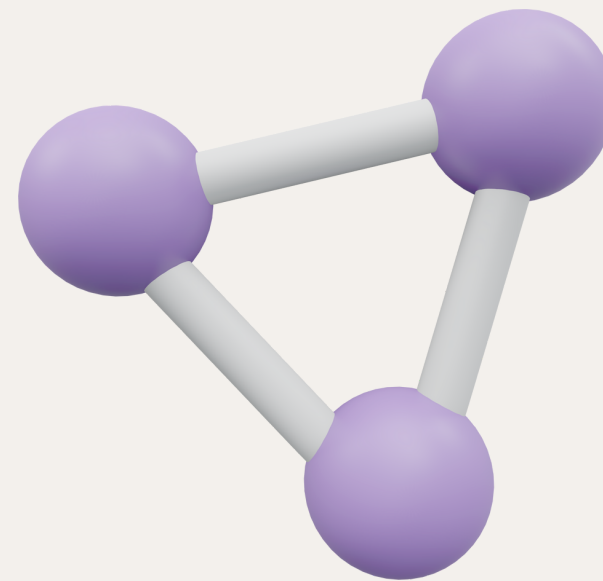
**"OUR GOAL IS TO HELP NEWCOMERS AND EXPERTS ALIKE DEEPEN THEIR UNDERSTANDING OF THE PEOPLE AND PROCESSES THAT DRIVE THE U.S. RESEARCH ENTERPRISE."**

# WHAT DOES FYI DO?



## NEWSLETTERS

weekly email newsletters on what you might have missed, things coming up, and anything to do with important science policy decisions



## BUDGETS & BILLS

budget and bill trackers on the FYI website



## BULLETINS

longer form articles on important science policy decisions that have more substance than newsletter blurbs

# NEWSLETTER BLURBS

Science Advisory Panels Convening

Biden Signs Bill Constraining Federal Budget for Two Years

New Chief of Naval Research Appointed

Leaders Picked for CHIPS Act R&D Programs

NASA to Open Earth Information Center

Republicans Push to End US–China Science Cooperation Agreement

Science Committee Preparing Wildfire Legislation

ESA Launches Telescope to Study Dark Matter and Dark Energy

Science Committee Delves Into Geothermal Technology

Fire Weather Bill Advanced by House Science Committee

New IPCC Chair announced

# BULLETIN

- longer, in-depth analysis of hearings, legislation, etc.
- 2-3 published per week



FYI / ARTICLE

## Wildfire Research Legislation in the Works

JUL 21, 2023

*The House Science Committee is preparing legislation that aims to improve wildfire prediction and response, with a focus on better understanding weather conditions that exacerbate fires.*



Julia Buccola



A wildfire at the Florida Panther National Wildlife Refuge. (Josh O'Connor / U.S. Fish and Wildlife Service)

The House Science Committee held a [hearing](#) last week to discuss weather monitoring and forecasting technologies that scientists and firefighters use in confronting wildfire threats.

# BUDGET TRACKER

HA118TH CONGRESS, 1ST SESSION\FY 2024 BILL AND REPORT\FY 2024 BILL\FULL.XML

[FULL COMMITTEE PRINT]

Union Calendar No. \_\_\_\_\_

118TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

[Report No. 118-\_\_\_\_]

Making appropriations for the Departments of Labor, Health and Human Services, and Education, and related agencies for the fiscal year ending September 30, 2024, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

\_\_\_\_\_, 2023

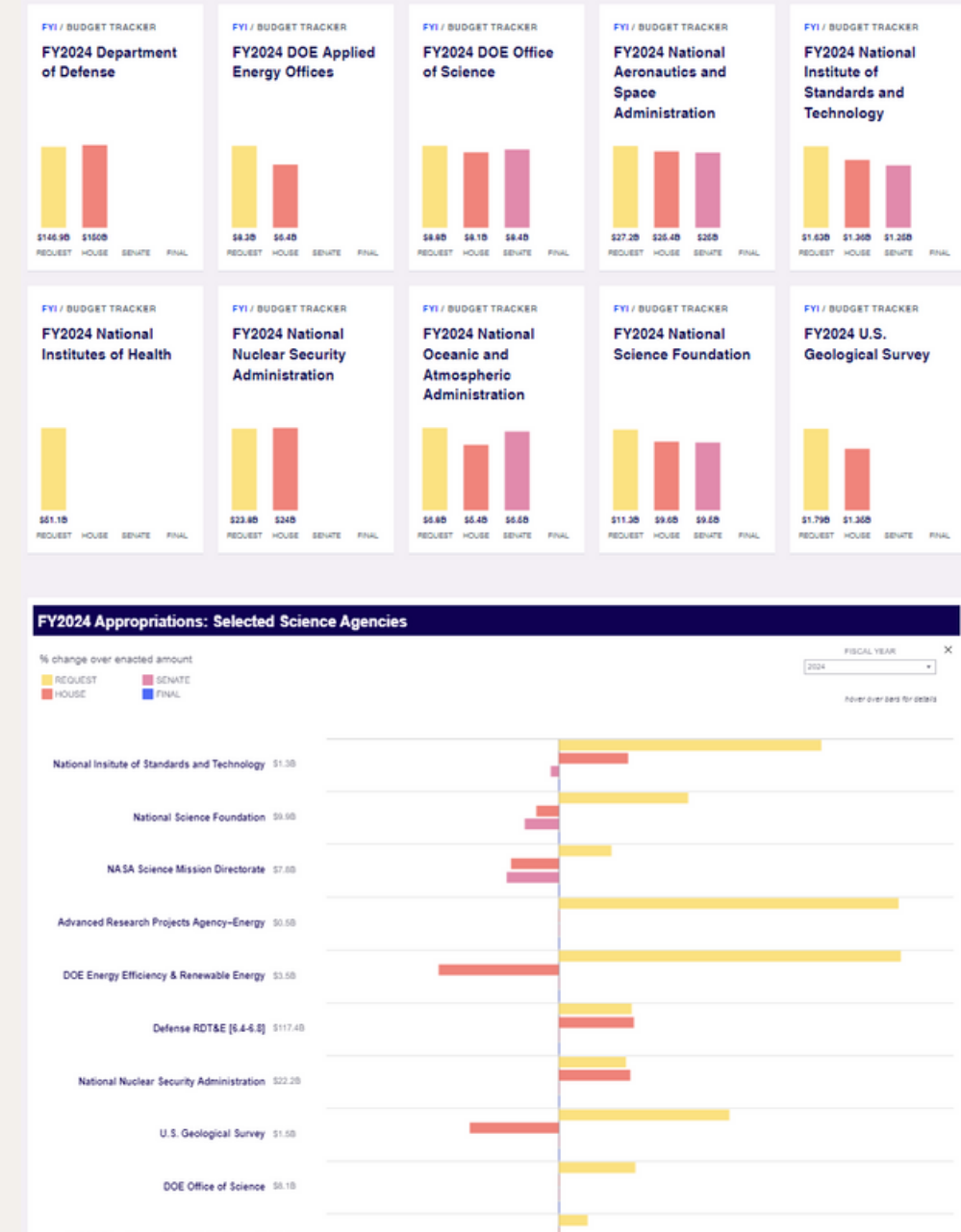
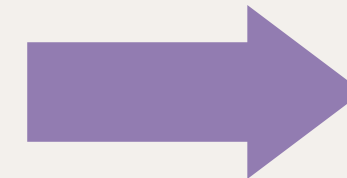
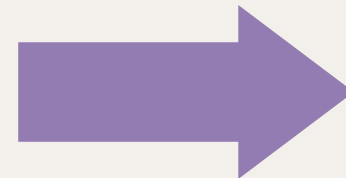
Mr. ADERHOLT, from the Committee on Appropriations, reported the following bill, which was committed to the Committee of the Whole House on the State of the Union and ordered to be printed

**A BILL**

Making appropriations for the Departments of Labor, Health and Human Services, and Education, and related agencies for the fiscal year ending September 30, 2024, and for other purposes.

11870712237071223.01.xml  
July 12, 2023 (7:34 p.m.)

ID	ORG	NAME	FUNDING	VERSION	FL NOTE	FISCAL_YEA	STEP	AMOUNT
627	NIH	National Institutes of Health	None	3	including ARPA-H	2024	House	
626	NIH	National Institutes of Health	None	2	excluding ARPA-H	2024	House	
625	NIH	National Institutes of Health		1		2024	House	
628	NIH-ARPA	ARPA-H		1		2024	House	500
632	NIH-BF	Transfer from HHS nonrecurring expenses account		1		2024	House	
630	NIH-BF	Buildings and Facilities		1		2024	House	
631	NIH-BF	Buildings and Facilities		1		2024	House	350
633	NIH-NCI	National Cancer Institute		1		2024	House	7104.159
634	NIH-NEGM	National Institute of General Medical Sciences		1		2024	House	3154.679
635	NIH-NEI	National Eye Institute		1		2024	House	896.549
636	NIH-NIAID	National Institute of Allergy and Infectious Disease		1		2024	House	5062.279
637	NIH-NIBIB	National Institute of Biomedical Imaging & Bioengineering		1		2024	House	440.627
638	NIH-NIDCD	National Institute on Deafness & Other Communication Disorders		1		2024	House	534.333
639	NIH-NIEHS	National Institute of Environmental Health Sciences		1		2024	House	913.979
826	USGS	U.S. Geological Survey		1		2024	House	1347.46
835	USGS-CSS	Science, synthesis, analysis, and research		1		2024	House	
828	USGS-CSS	Core Science Systems		1		2024	House	264.614
834	USGS-CSS	National Land Imaging		1		2024	House	
831	USGS-CSS	National Cooperative Geographical Mapping		1		2024	House	43.397
833	USGS-CSS	National Geospatial Program		1		2024	House	42.905
838	USGS-ECO	Climate Adaptation Science Centers		1		2024	House	67.115
839	USGS-ECO	Environmental Health		1		2024	House	
837	USGS-ECO	Ecosystems		1		2024	House	278.987
840	USGS-ECO	Land Change Science		1		2024	House	
845	USGS-EMR	Mineral Resources		1		2024	House	
842	USGS-EMR	Energy Resources		1		2024	House	
841	USGS-EMR	Energy & Mineral Resources		1		2024	House	102.341
846	USGS-FAC	Facilities		1		2024	House	140.729
856	USGS-NH	Coastal/Marine Hazards and Resources		1		2024	House	
858	USGS-NH	Geomagnetism		1		2024	House	
860	USGS-NH	Landslide Hazards		1		2024	House	
861	USGS-NH	Volcano Hazards		1		2024	House	
857	USGS-NH	Earthquake Hazards		1		2024	House	
859	USGS-NH	Global Seismographic Network		1		2024	House	
855	USGS-NH	Natural Hazards		1		2024	House	179.739
862	USGS-SS	Science Support		1		2024	House	95.674
865	USGS-WR	National Water Quality Program		1		2024	House	7.49
864	USGS-WR	Groundwater and Streamflow Information Program		1		2024	House	120.307
866	USGS-WR	Water Availability and Use Science Program		1		2024	House	
867	USGS-WR	Water Resources Research Act Program		1		2024	House	16
863	USGS-WR	Water Resources		1		2024	House	285.376





# BILL TRACKER

## SUMMARY

### Federal Science Bill Tracker

Our Bill Tracker is an up-to-date index of pending legislation in the U.S. Congress that is most relevant to the physical sciences. It also covers certain cross-cutting topics relevant across the sciences, such as STEM education and research security policy.

The tracker can filter bills based on topic, agency, session of Congress, and whether they have been enacted. There is also a "major bill" filter that displays bills that FYI's editors have flagged as particularly significant. Each bill page includes primary sponsors, major legislative actions, and related FYI reporting.

*Note: Appropriations legislation is covered separately through our [Federal Science Budget Tracker](#).*

There are 901 results that match your search

Search by number, title or sponsor

Filter

Relevance

FYI / BILL

**H.R. 4647**

118th Congress

#### High-Skilled Immigration Reform for Employment (HIRE) Act

To amend the Immigration and Nationality Act to expand availability of H-1B nonimmigrant visas, and for other purposes.

#### Primary Sponsors



Raja Krishnamoorthi  
REPRESENTATIVE D-IL

FYI / BILL

**S. 2384**

118th Congress

#### Keep STEM Talent Act of 2023

A bill to provide lawful permanent resident status for certain advanced STEM degree holders, and for other purposes.

#### Primary Sponsors



Richard Durbin  
SENATOR D-IL

FYI / BILL

**S. 2368**

118th Congress

#### Global Investment in American Jobs Act

A bill to direct the Secretary of Commerce, in coordination with the heads of other relevant Federal departments and agencies, to conduct an interagency review of and...

#### Primary Sponsors



Todd Young  
SENATOR R-IN

FYI / BILL

**H.R. 4346**

117th Congress

### CHIPS and Science Act

#### Purpose

Appropriates funds to implement the CHIPS for America Act and updates policy for programs across DOE, NSF, NIST, and NASA.

#### Summary of Selected Provisions

- Appropriates \$52 billion for domestic semiconductor manufacturing/R&D and \$1.5 billion for advanced communications R&D
- Recommends that over the next five years Congress should roughly double the annual budgets of NSF and NIST, to \$18.9 billion and \$2.3 billion respectively, and increase funding for the DOE Office of Science by nearly 50% to \$10.8 billion
- Formally authorizes the Directorate for Technology and Innovation in NSF and directs it to focus on a periodically refreshed list of up to 10 "key technology focus areas" and up to five "societal, national, and geostrategic challenges"
- Recommends Congress ramp up the annual budget of the new NSF directorate to about \$4 billion within five

### Primary Sponsors



Chuck Schumer  
SENATOR D-NY

### Co-sponsors by Party

R 0 D 0 I 0

### Actions

- 07/30/2021 Introduced in House as the "Supreme Court Security Funding Act"
- 07/27/2021 Passed by House by vote of 243 - 187
- 07/19/2022 "CHIPS and Science Act" introduced as a substitute amendment in Senate
- 07/26/2022 Passed by Senate by a vote of 64 - 33
- 08/08/2022 Became law

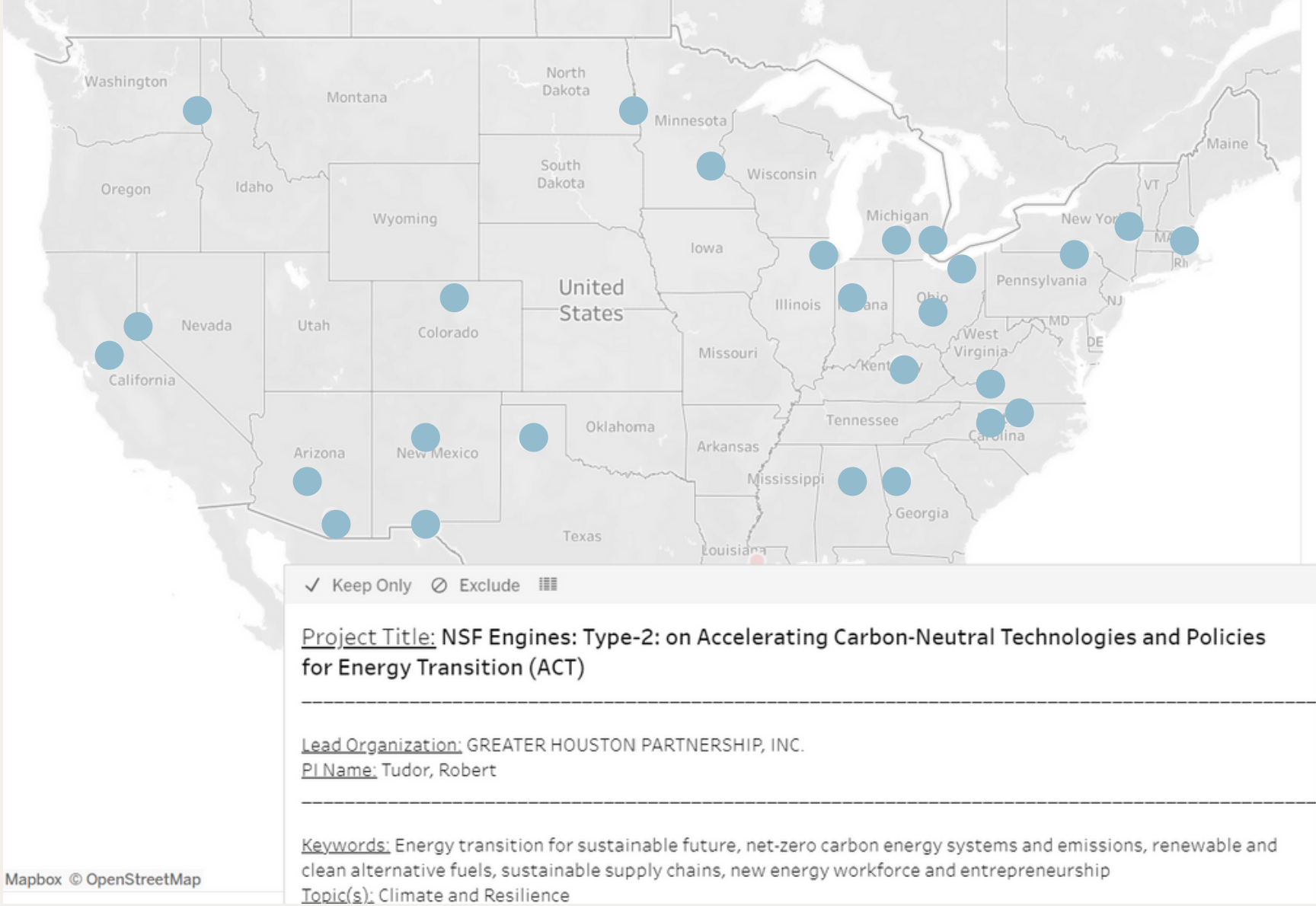
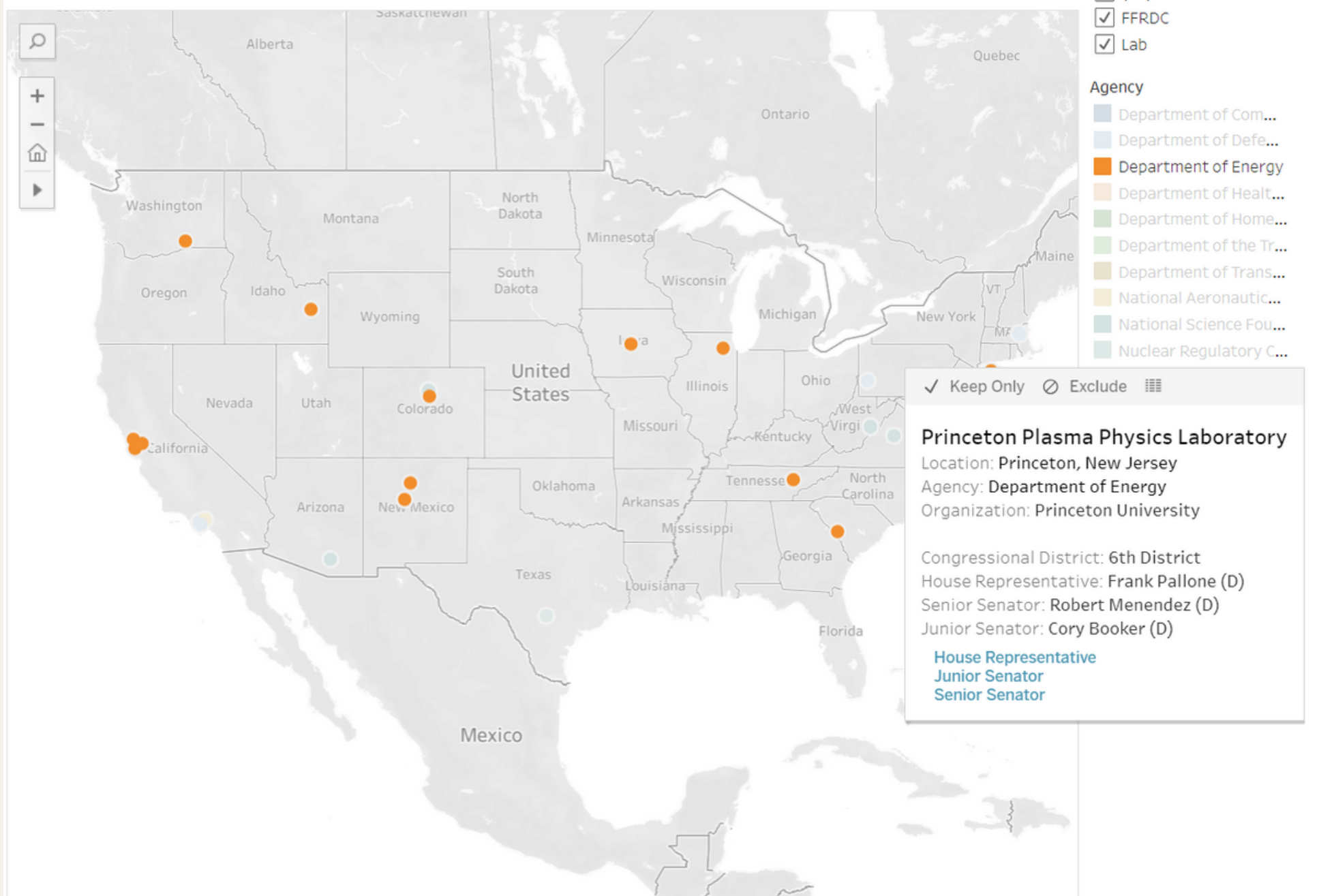
## SEARCH

"...up-to-date index of pending legislation in the U.S. Congress that is most relevant to the physical sciences"

## TIMELINE

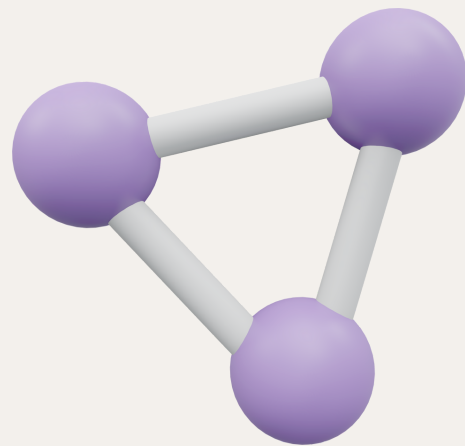
# TABLEAU

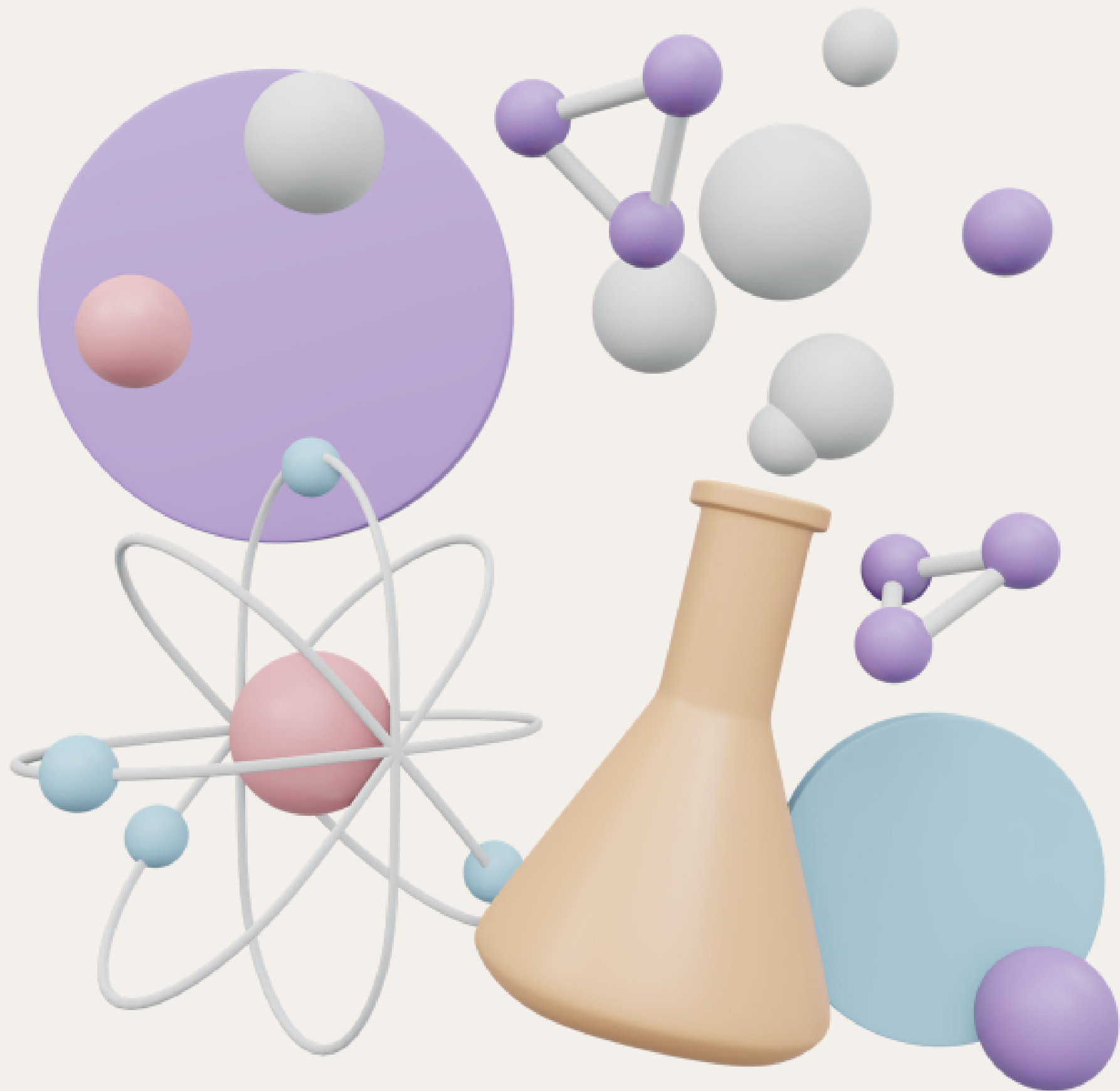
National Labs & FFRDC's by Congressional District





**WHY IS SCIENCE  
POLICY IMPORTANT  
FOR US ALL?**





# THANK YOU SO MUCH!

Let me know what  
questions you have!

Special thank you to the FYI team,  
SPS, and the other interns!

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