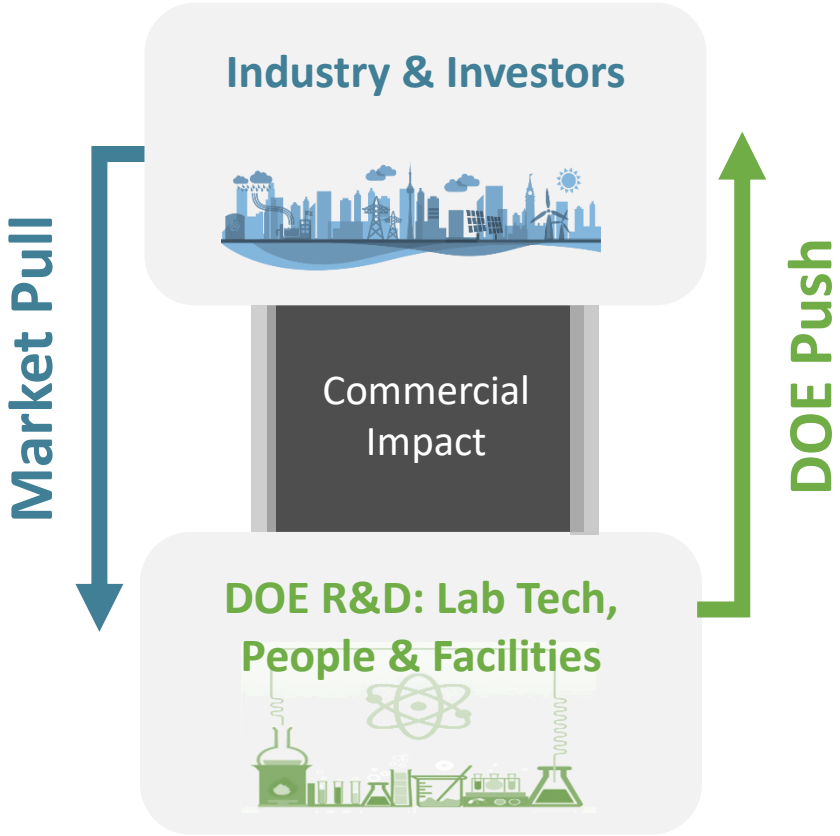
U.S. DEPARTMENT OF
ENERGY

Office of
TECHNOLOGY TRANSITIONS

Energy.gov/technologytransitions

The Office of Technology Transitions (OTT) advances the economic, energy, and national security interests of the United States by expanding the commercial impact of the Department of Energy's research and development portfolio.

It streamlines access to information and to DOE's National Labs and facilities — fostering partnerships that guide innovations from the lab into the marketplace.



OTT Offers a *Menu of Options* to increase the ROI on Taxpayer R&D Dollars

The TCF *provides matching funds with private partners* to promote promising energy technologies for commercial purposes

OTT manages the execution of the Technology Commercialization Fund (TCF), as mandated by Sec 1001 of EPAct 2005. The initial round of funding was provided in FY 2016

FY 2016

$19.7M in TCF funding to **54** projects (out of more than **100** proposals) proposals funded at **12 national labs ($15.9M),** including matching funds **($16.9M)** from **52 private-sector partners**

FY 2017

54 projects from **136** proposals funded at **12 national labs ($19M),** with matching funds **($34M)** from more than **30 private-sector partners**

FY 2018

64 projects from over **100** proposals **(over $20M) with matching funds ($18M)** from nearly **50 private-sector partners**

FY 2019

77 projects from over **160** proposals **($24M) with matching funds ($25M)** from more than **90 private-sector partners**

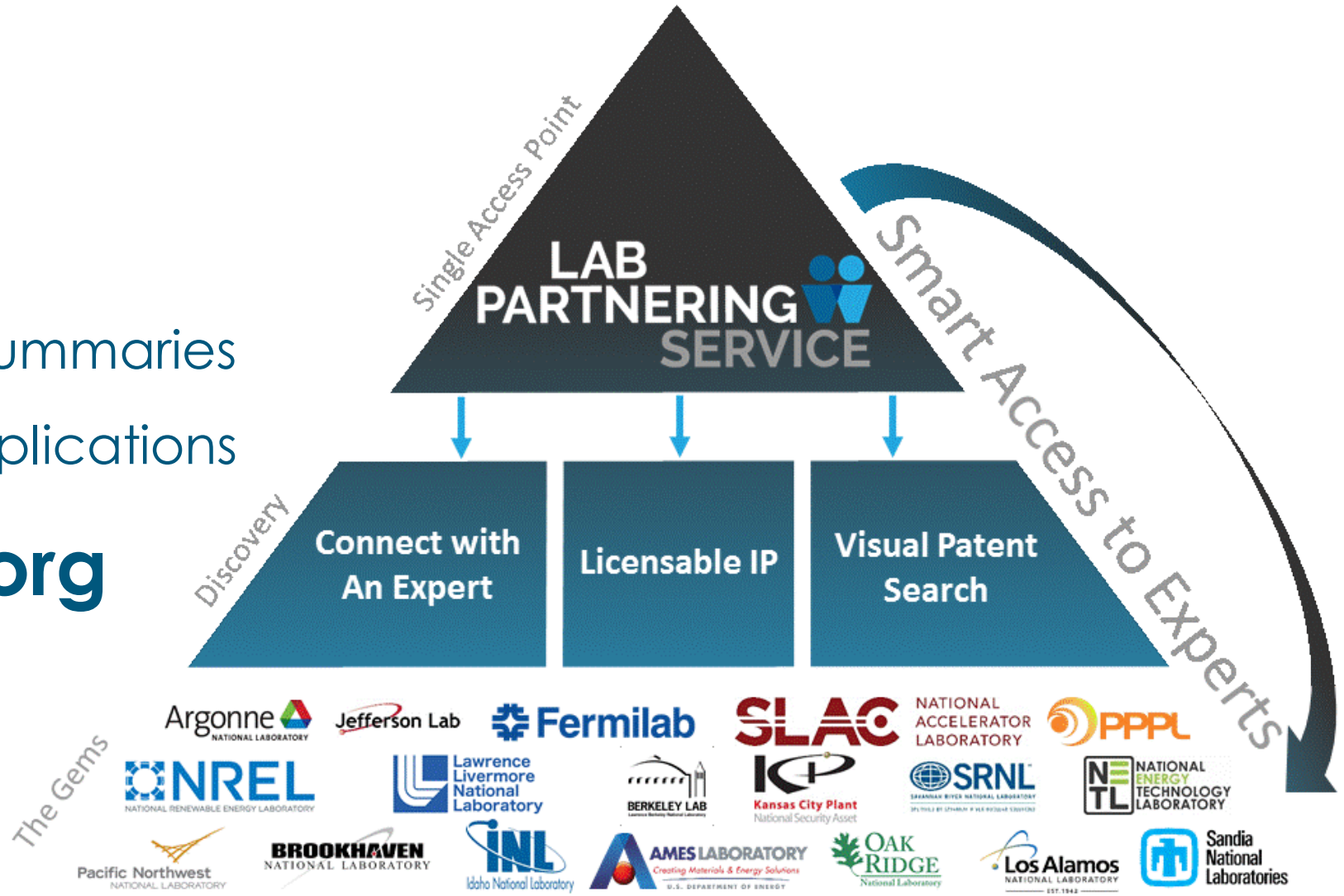
Continued execution of a **TCF evaluation**, which tracks the FY 2016, 2017 and 2018 projects to assess processes/management and to ascertain program outcomes and effectiveness

Monitoring the progress of activities funded in previous rounds

OTT is constantly investigating new ways to improve TCF design and function.

- 20 Labs/Plants
- 157 Experts
- 196 Facilities
- 1,173 Technology Summaries
- 38,000+ Patents/Applications

Labpartnering.org



OTT Collects, Analyzes, and Reports Unclassified National Lab Tech Transfer Data

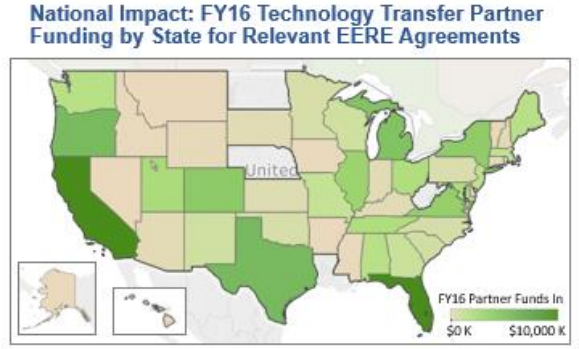
[This comprehensive data set includes sensitive information, but OTT staff are available to support program information requests. Data is available by research taxonomy, partner type, agreement type, partner location, and other parameters.]

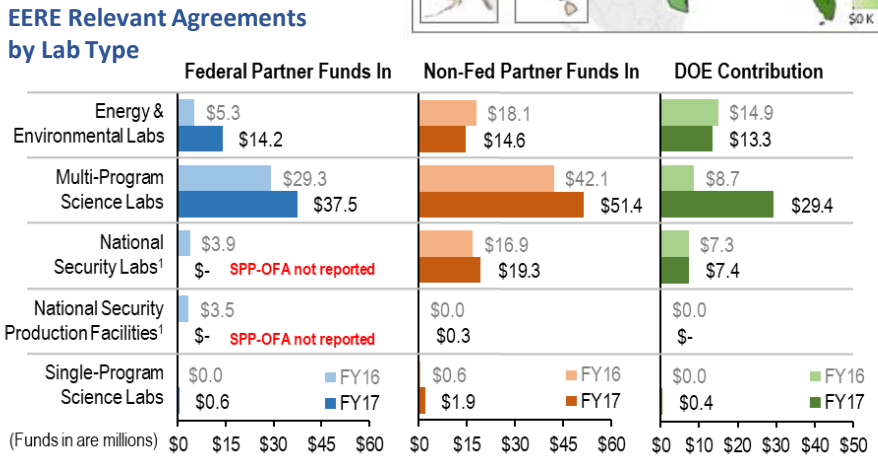
Examples of Recent Uses

- ✓ Annual Congressional Report on Utilization of Federal Technology
- ✓ For CESER Front Office – all DHS-funded Strategic Partnership Projects at the Labs
- ✓ For IA in support of S1 Trip to Israel – all Israeli public/private entities with partnership projects with our Labs
- ✓ For S4 to prepare for Congressional meeting with Ohio Delegation – all Ohio entities with active partnership projects with our Labs, broken out at the county and district level.

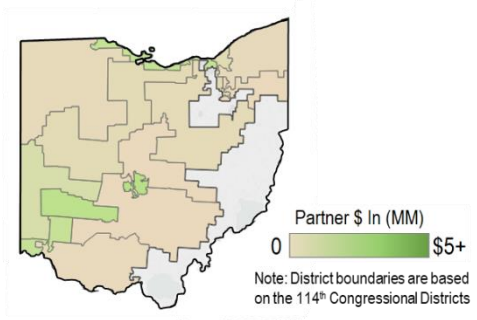
Notes:
The FY17 Data set does not yet include reporting from NNSA Labs
The FY18 Data set should be available by Spring 2019

OTT's tech transfer data set is used to provide program specific insights…





… to prepare for Congressional meetings, and more.



Ohio: FY17 Technology Transfer Overview

Non-Federal Partners

- **67** agreements
- **39** unique partners
- **$2.1 MM** total partner-funds-in
- **$3.0 MM** DOE-funds-in on **20** CRADAs

Federal Partners

- **11** agreements
- **$1.4 MM** Federal partner-funds-in
- **3** unique Federal organizations

Technology Transition Track Activities:

Develop Collaborative Relationships and Knowledge-sharing Tools

- Market Analysis
- Information Sharing

Pursue Demonstration Projects

- Ongoing Interagency/External Engagement
- Identify requirements to ensure bankability
- Connect with potential partners and projects

Ensure Bankable Projects via Predictable Revenue Streams

- Request for Information (RFI) to be released April 2020

DOE-branded Publication to:

- Inform DOE strategy
- Signal government support to external counterparts
- Inform investors, entrepreneurs, companies, policymakers, regulators, and the general public
- Track rapid changes over time
- Highlight DOE deep-dive analyses and work products
- Integrate disparate technologies and applications into an overarching framework
- Serve as a basis for discussion and feedback

Evaluate fundamental market drivers:

- Consumer preferences
- Addressable markets
- Financial risk & opportunity
- Scenario analysis
- Competitive positioning
- VC & investment trends
- Technology potential
- Supply chain & costs