



Exceptional service in the national interest

Foundational Elements for a Thriving Research and Technology Development Economic Sector

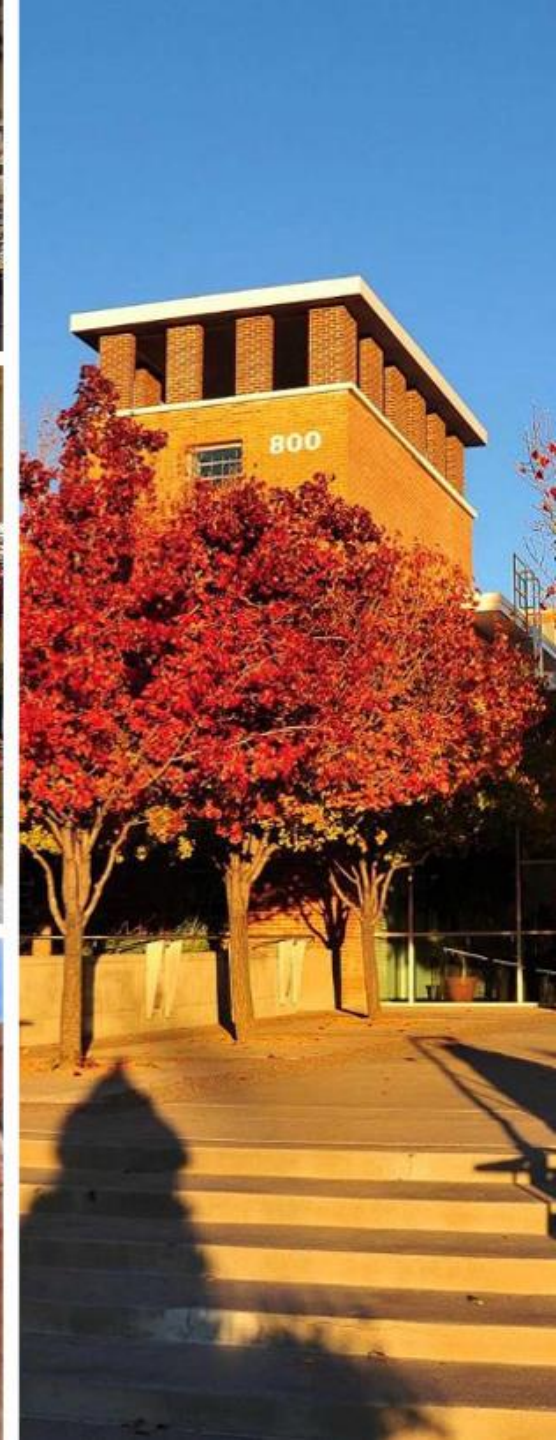
Mary Monson

Senior Manager, Technology Partnerships and Business Development, Sandia National Laboratories

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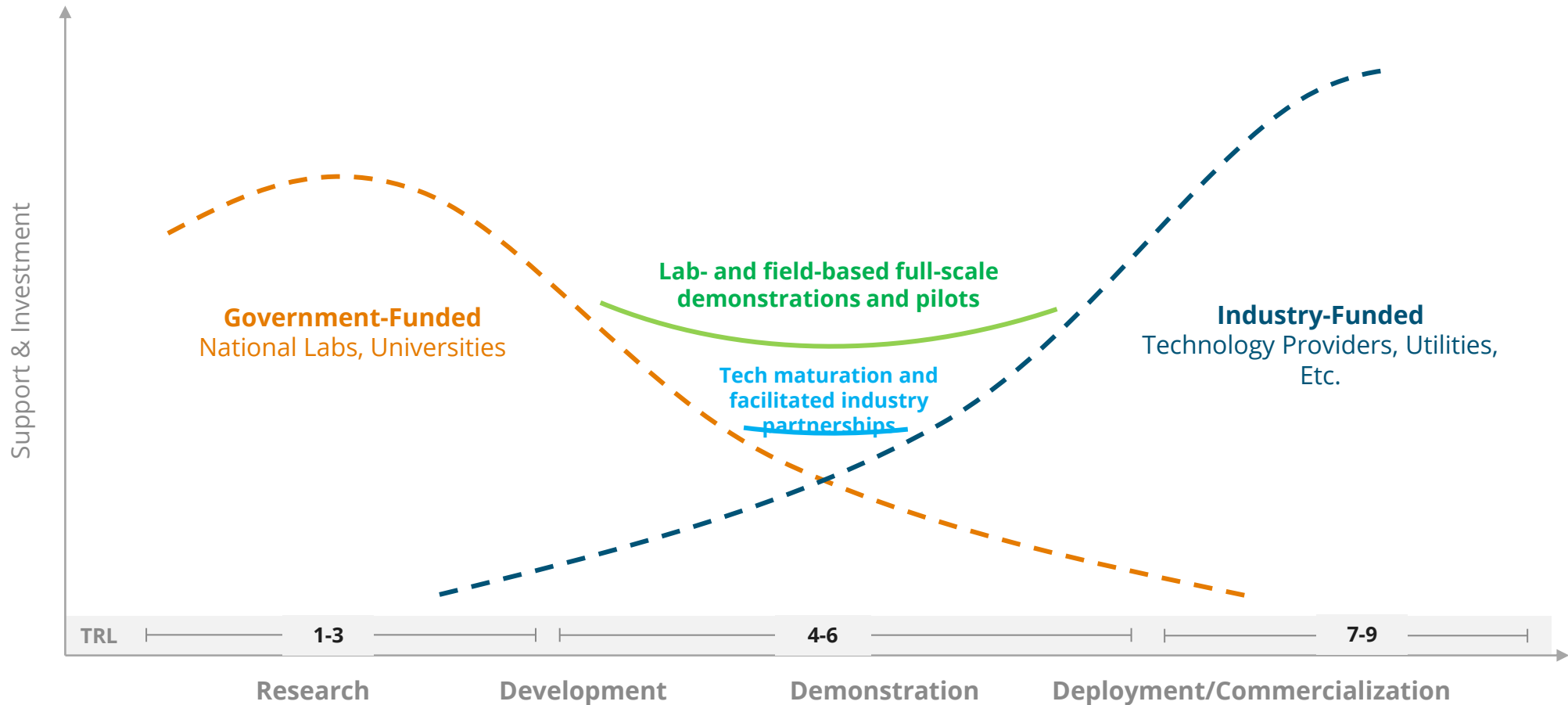


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Demonstration Facilities Fill a Gap and Build a Regional Ecosystem

Through demonstration facilities, local partners and workforce can gain increased access to national lab and university technology, equipment, expertise, and supply chain opportunities



Benefits of a Collaborative Demonstration Facility

“Hub” approach utilizes regional ecosystem partners and creates greater regional impacts

- Provides broad access to facilities and capabilities at national labs and research universities
- More rapidly moves R&D out of lab environments for access by partners
- Focus can be placed on areas (e.g., advanced manufacturing, quantum, etc.) with sustained investment and workforce needs
- Includes education and training to develop the next-gen workforce
- Flexible leadership/support model
- Requires a network of suppliers and support resources

Regardless of the model, it will be important to de-risk or ease engagement for ecosystem partners



Model of Interest: Manufacturing Demonstration Facility

- DOE demonstration facility established to provide industry with affordable and convenient access to infrastructure, tools, and expertise to **facilitate rapid adoption of advanced additive manufacturing technologies**
- Focused on applied R&D
- About 200 industry partners and 50 university partners (including regional) working across R&D, education, technology transfer and training activities
- Increasing engagement with, and development of (via Innovation Crossroads), regional partners and start-ups

