



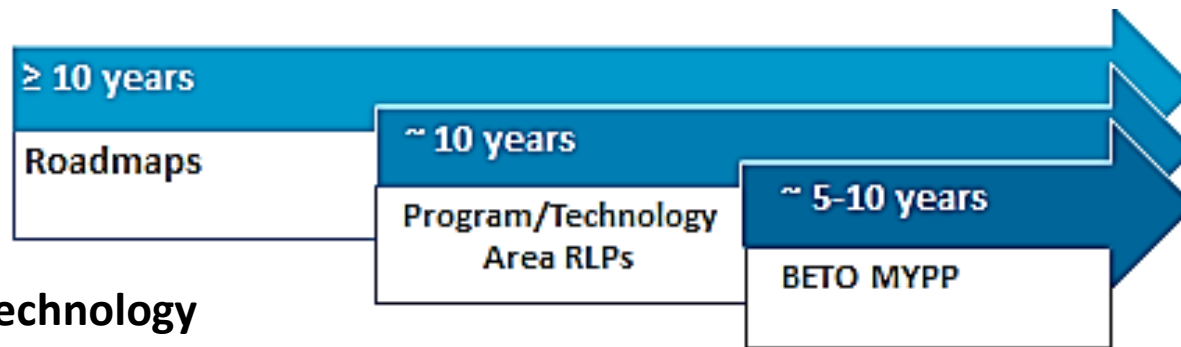
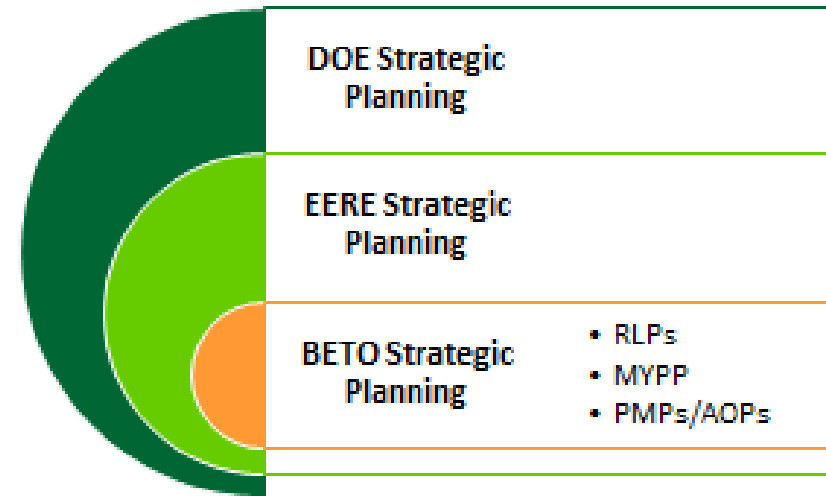
BETO Strategic Plan

Valerie Reed

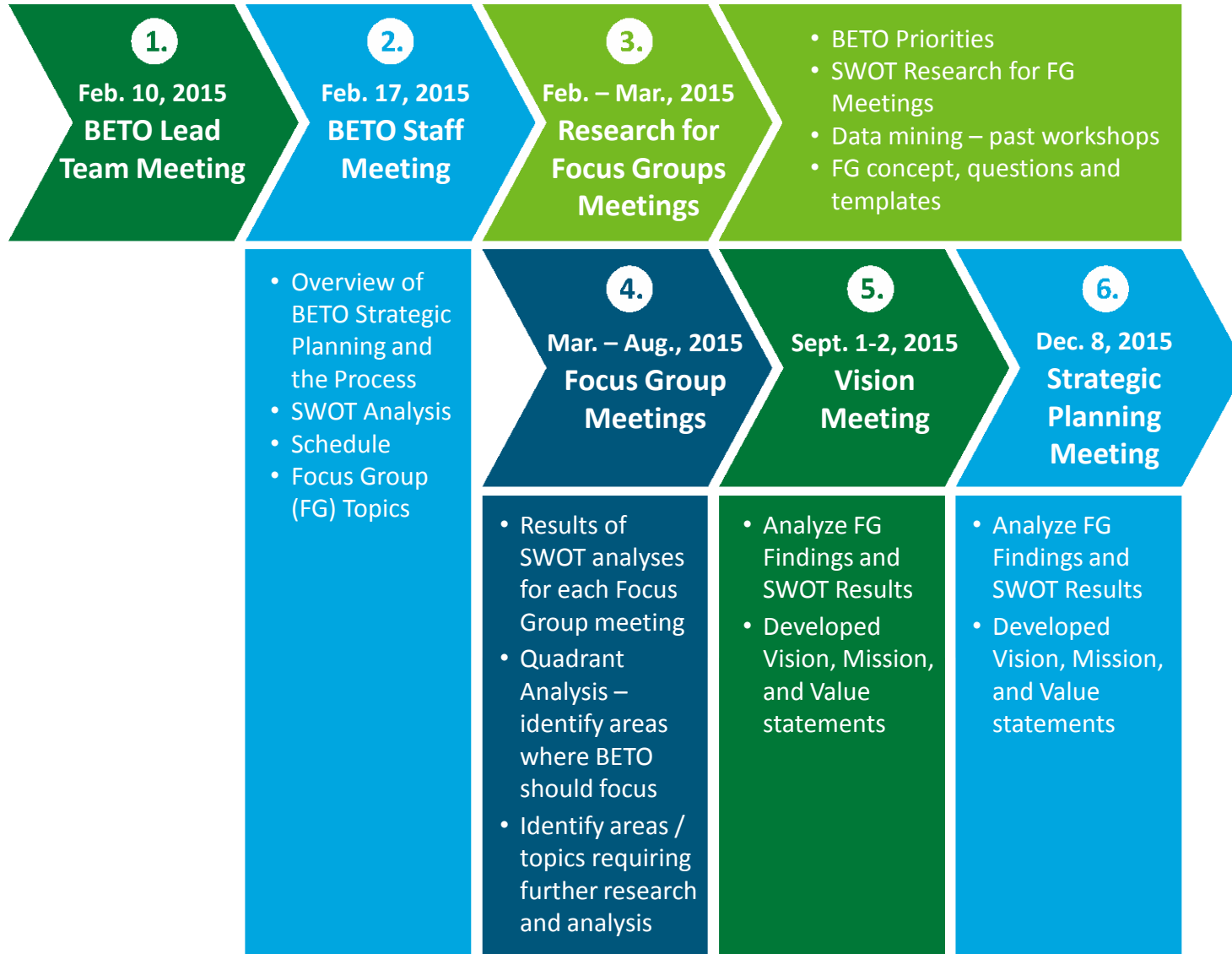
Deputy Director

BETO Strategic Planning

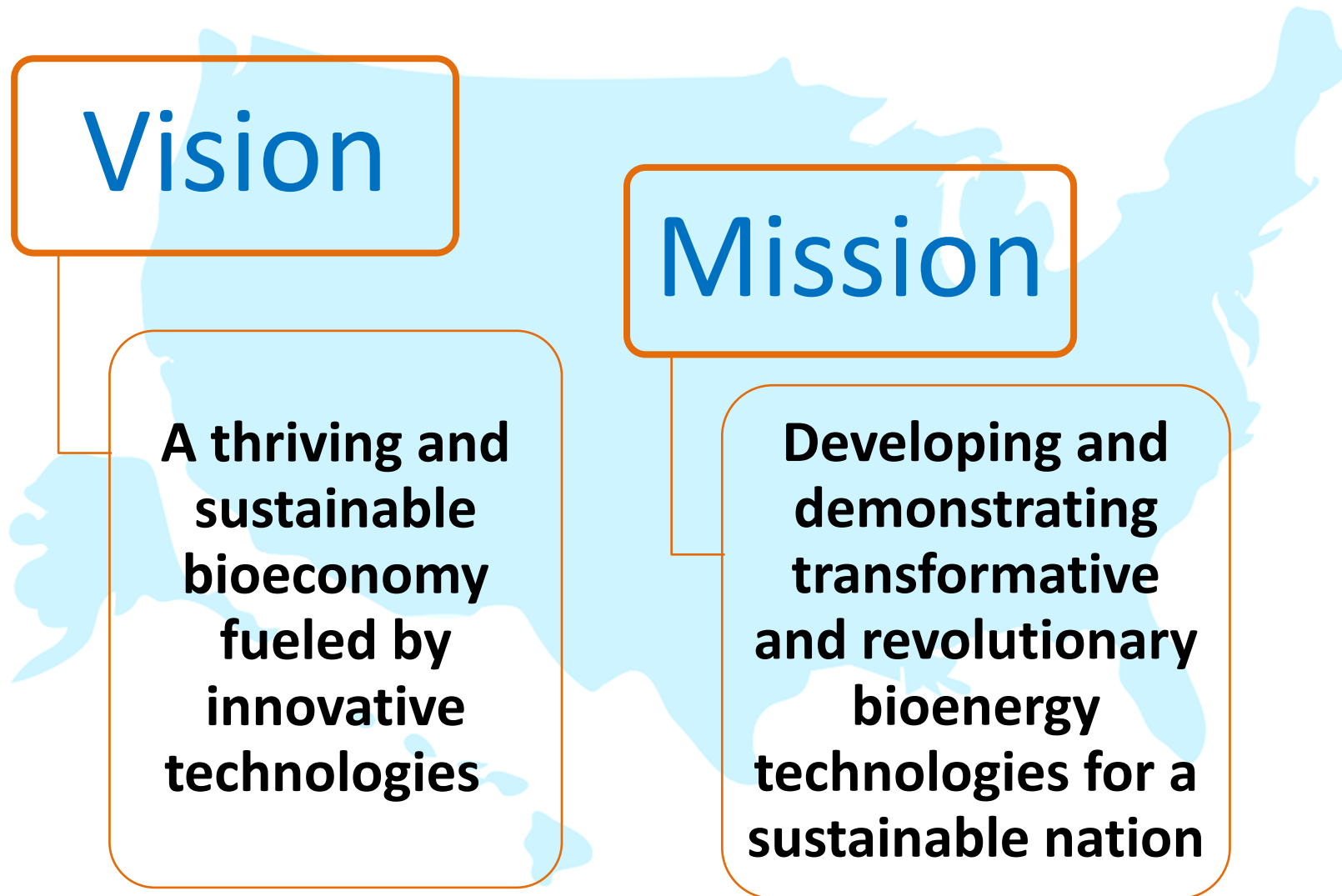
- **Continuous process**
- **Provides framework**
 - Alignment with EERE/DOE/Federal goals
 - Interactions with stakeholders
 - Inter- and intra-office collaborations/discussions across technology areas
 - Alignment of Office activities from project level to multi-year goal horizons
- **Purpose**
 - Align objectives and activities across multiple stakeholders and interests
 - Document goals, current state of technology, and strategic plans
 - Inform budget processes
 - Track progress
 - Integrate learning
- **Based on best practices for technology R&D planning and systems engineering**



BETO Strategic Planning Process



BETO Vision and Mission



BETO Values



Key Opportunity Areas and Strategic Goals

- **Bioenergy Value Proposition:** Innovate, develop, and demonstrate integrated value chains for biofuels, bioproducts, and biopower with economic, environmental, and societal benefits.
- **Mobilizing Our Nation's Biomass Resources:** Reduce delivered cost and risks associated with feedstock quality and volume to accelerate widespread commercialization of sustainable biomass supply chains for a broad range of markets.
- **End-Use Markets and Customers:** Meet early adoption market demands and catalyze new markets that affect sustainable, affordable living.
- **Stakeholder Engagement and Collaboration:** Grow an informed community of public and private stakeholders that understands and contributes to an enduring, sustainable bioeconomy, while appreciating its challenges and benefits.

Bioenergy Value Proposition – Strategies



Bioenergy Value Proposition - Strategies

Reduce Cost and Improve Performance

Validate Technology and Reduce Risk

Conduct Analysis To Inform Research and Development, Programmatic Priorities

Success Indicators: SMART milestones

Near Term – 2017-2022

Mid Term – 2022 - 2030

Long Term – 2030-2040

Innovate, develop, and demonstrate integrated value chains for biofuels, bioproducts, and biopower with economic, environmental, and societal benefits.

Mobilizing Our Nation's Biomass Resources – Strategies



Mobilizing Our Nation's Biomass Resources - Strategies

Reduce Delivered Feedstock Cost and Improve Conversion Process Performance

Reduce Risk/Market Barriers and Demonstrate Advanced Logistics Concepts

Incorporate Sustainability as a Market Enabler by Establishing the Value of Ecosystem Service

Accelerate Mobilization by Enabling Co-Product and Value-Added Technologies

Reduce delivered cost and risks associated with feedstock quality and volume to accelerate widespread commercialization of sustainable biomass supply chains for a broad range of markets

End Use Markets and Customers – Strategies



End Use Markets and Customers – Strategies

Conduct Detailed Market Analysis for Biofuels and Bioproducts

Support Capacity Building

Interact with Mid-Stream Consumers

Inform Supportive Policies for Biofuels and Bioproducts

Support Standards Development

Meet early adoption market demands and catalyze new markets that support sustainable, affordable living.

Stakeholder Engagement and Collaboration – Strategies



Stakeholder Engagement and Collaboration – Strategies

Develop Education and Workforce Development Programs

Target and Engage Stakeholder Audiences

Strategically Track and Communicate Results of BETO-Sponsored Projects

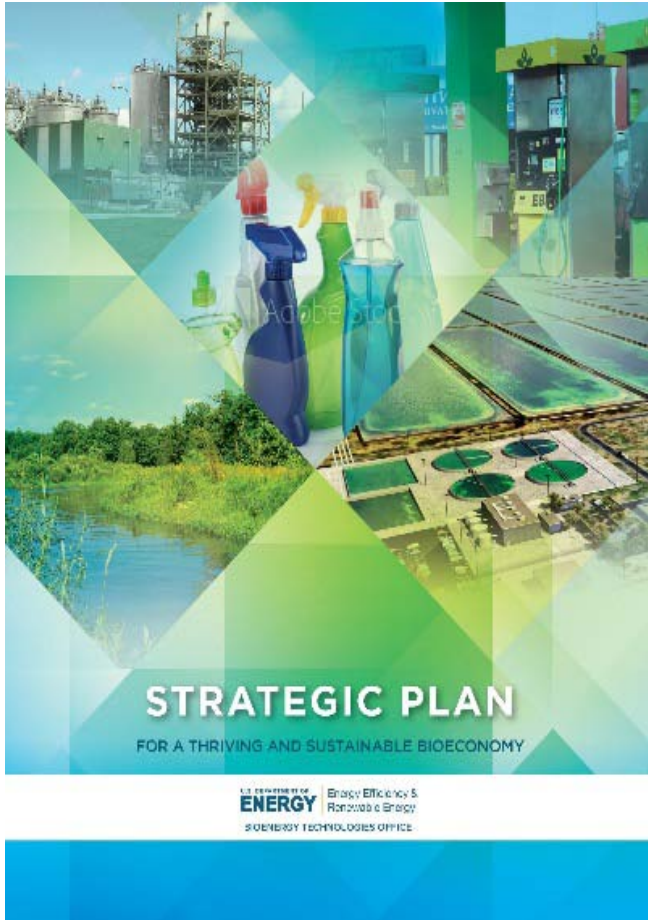
Strengthen Public/Private Partnerships

Engage and Inform Policy Makers

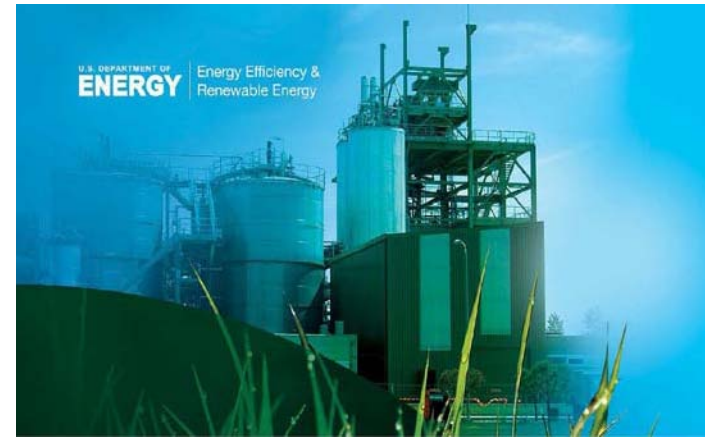
Support Inter- and Intra-Agency Collaboration

Participate in External Events

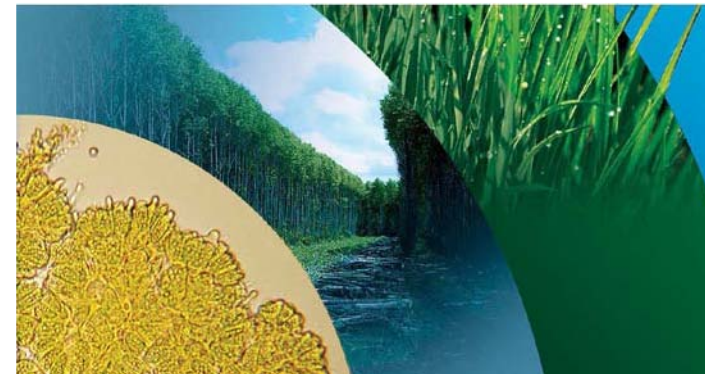
Grow an informed community of public and private stakeholders that understands and contributes to an enduring, sustainable bioeconomy, while appreciating its challenges and benefits.



Long Term – 25 years
Updated every 5-7 years



BIOENERGY TECHNOLOGIES OFFICE
Multi-Year Program Plan
March 2016



Short Term – 5 years
Updated annually