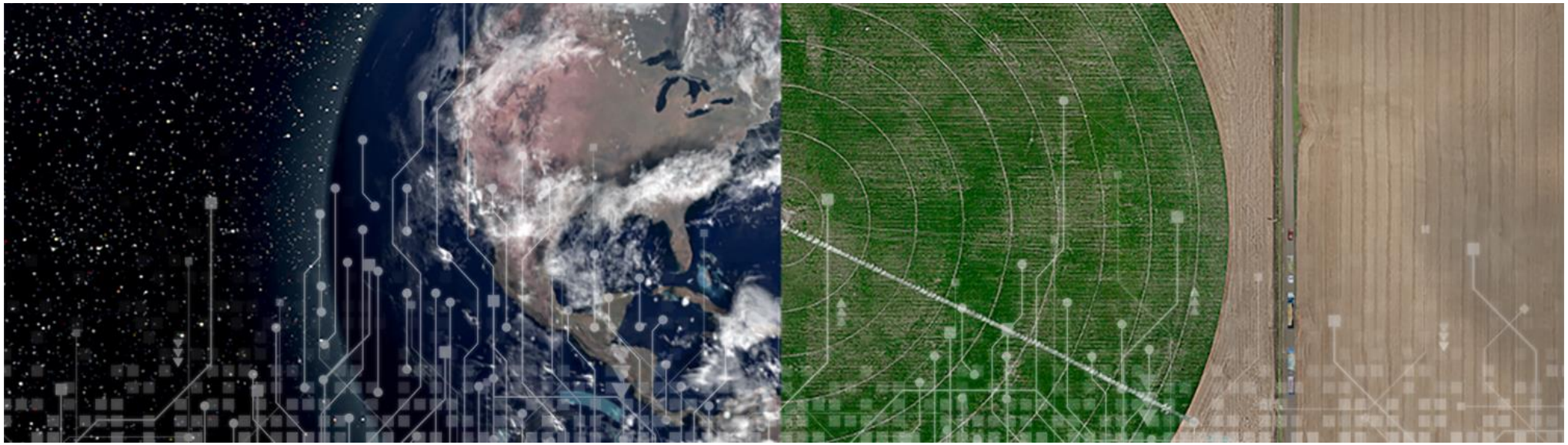

National Academies Webinar:
Learnings and Progress on Enabling Agricultural Soil Carbon Credits at Scale

indigo™
from questions we grow

JUNE 6, 2022


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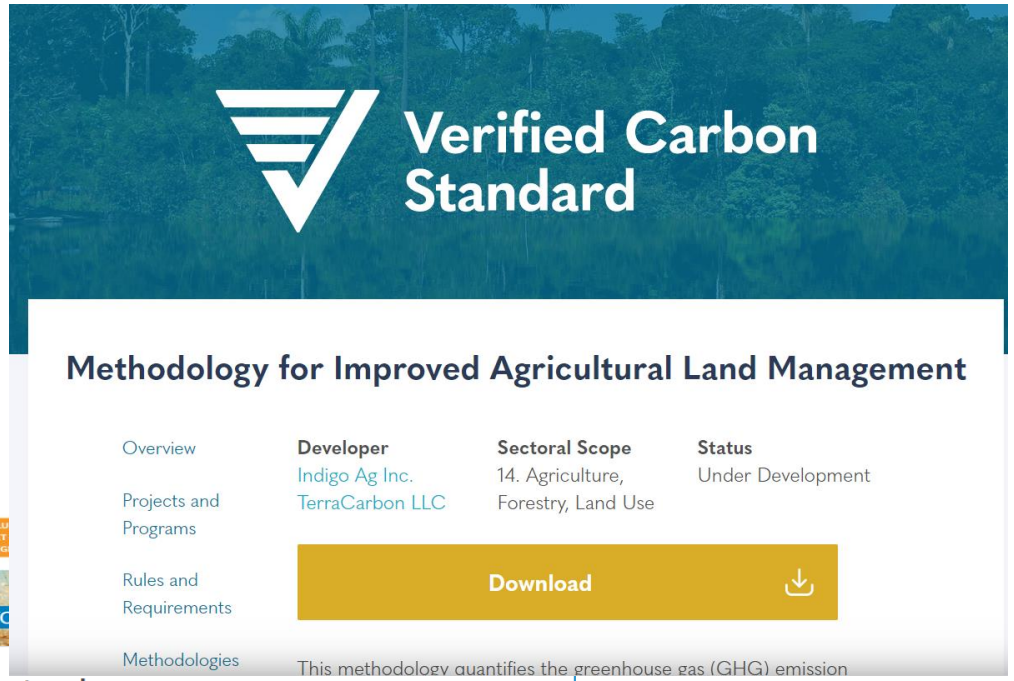
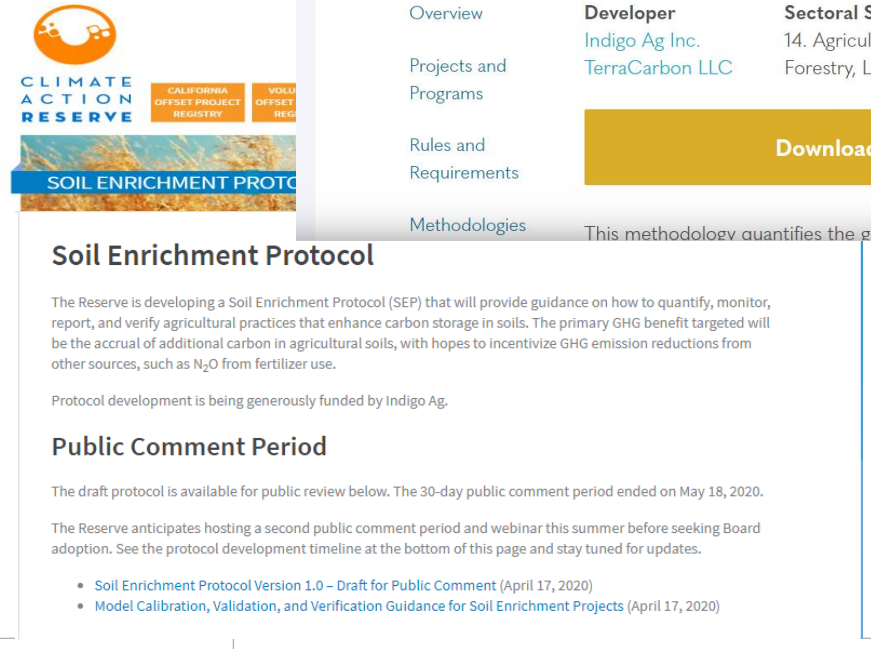
Our Mission: Harnessing nature to help farmers sustainably feed the planet

We have built a scientifically-rigorous credit generation process that directly transfers value from buyers to growers

Verra and CAR's latest protocols enable credits at scale





Key advances[1] of the Soil Enrichment Protocol & VM0042:

1. Flexibility in biogeochemical model use enabled by explicit & rigorous performance requirements
2. A new approach to field-level, modeled baselines that is both dynamic and adaptive
3. A hybrid approach to credit generation using soil measurements, modeling, and default equations
4. Uncertainty quantification that accounts for multiple sources of uncertainty:
   - Sampling design uncertainty
   - Measurement uncertainty
   - Model uncertainty

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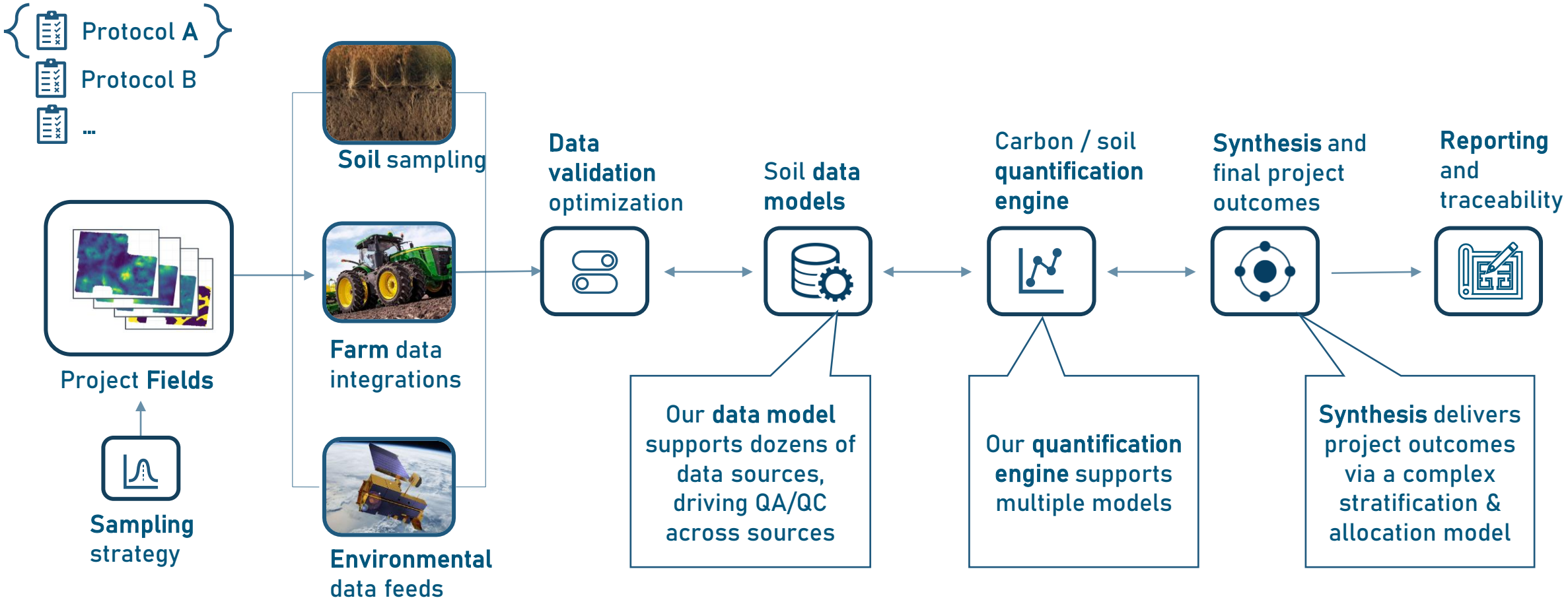
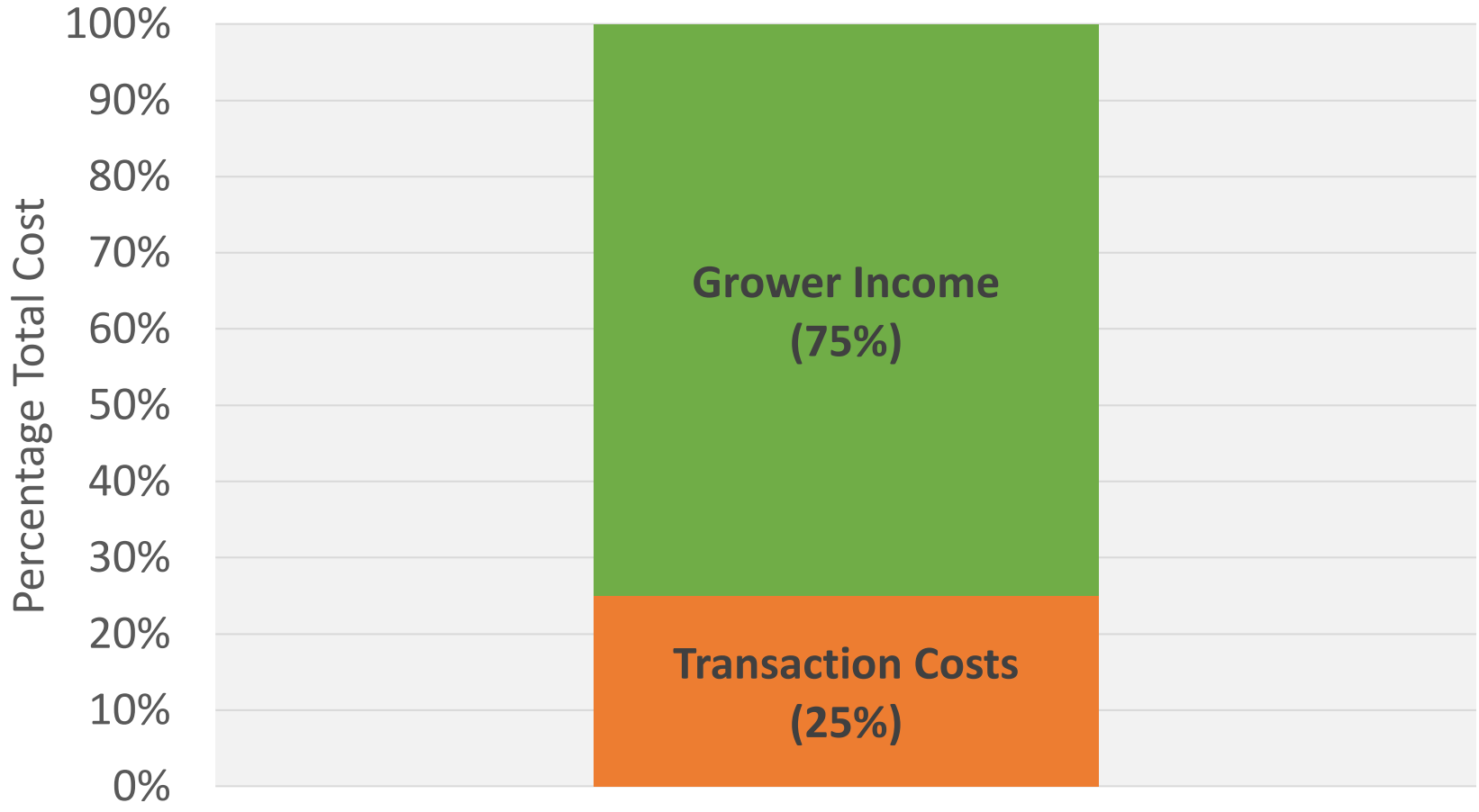
1. Jackson Hammond AA, Motew M, Brummitt CD, DuBuisson ML, Pinjuv G, Harburg DV, Campbell EE and Kumar AA (2021) Implementing the Soil Enrichment Protocol at Scale: Opportunities for an Agricultural Carbon Market. Front. Clim. 3:686440. doi: 10.3389/fclim.2021.686440https://doi.org/10.3389/fclim.2021.686440

MRV – Our technology for soil carbon quantification is a robust foundation for implementing various protocols and models



Our MRV technology was designed as a flexible, multi-protocol stack

Carbon by Indigo reduces transaction costs with technology and maximize high-quality outcomes



OPPORTUNITIES FOR FEDERAL SUPPORT

- Invest in validation datasets
  - Especially on those with less existing evidence with SOC and GHG emissions data like grazing management and specialty crops
- Invest in innovative technologies and pilots to increase accuracy and reduce costs
  - Continue or expand the USDA CIG program, ARPA-E SMARTFARM, USDA Climate Smart Commodities program, and others
- Educate growers and public on rigorous quality criteria and which programs meet them

Key Takeaways: Science and Technology are the Foundation of Agricultural Carbon Markets

1. **Scientifically rigorous and scalable greenhouse gas quantification is possible with VM42 and CAR SEP**

2. **Advances in technology reduce transaction costs**

3. **Investments in science and technology are critical to realize the full potential of agriculture**

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