



CARBON ACTION 2018-2023: LEARNING FOOD PRODUCTION, SOIL AND ENVIRONMENT – ACROSS THE SOIL AND SKY

EP Intergroup event: Nature-based solutions to increase carbon sinks on land
21/9/2023

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CARBON
ACTION



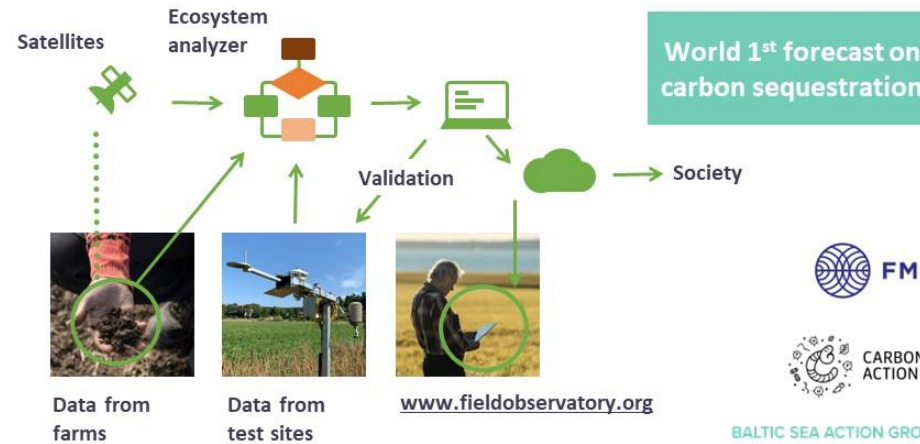
BALTIC SEA ACTION GROUP



CARBON ACTION PLATFORM



VERIFICATION SYSTEM FOR SOIL CARBON SEQUESTRATION



- Training
- Sustainable supply chains
- Regeneratively farmed products
- Regenerative investments

- 100 farms (20 advanced study farms)
- 9 long-term research sites
- 4 intensive research sites
- 16 trained soil advisors
- 1200+ farmers in peer club
- 2000+ participants

Definition and criteria for regenerative farming:
<https://www.bsag.fi/en/regenerative-agriculture/criteria/>

CARBON SINKS, FARMING AND MRV

OVERALL SUSTAINABILITY

- Multiple gains, carbon sink as a co-benefit

CLIMATE POLICY, MARKET and MEASURES

- Better calculation of carbon fluxes and effects of measures

AGRICULTURAL POLICY REVISION

- Reformed, more effective, more flexible CAP

HOLISTIC MANAGEMENT

- In combination with other metrics, e.g. biodiversity

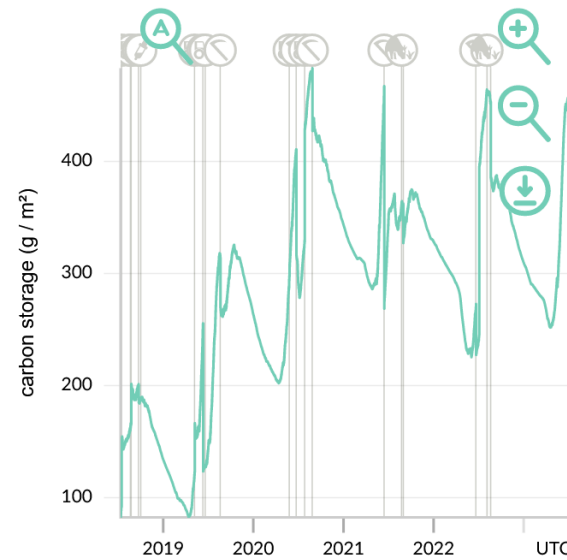



Winter rye in spring in Southwest Finland (Eija Hagelberg)

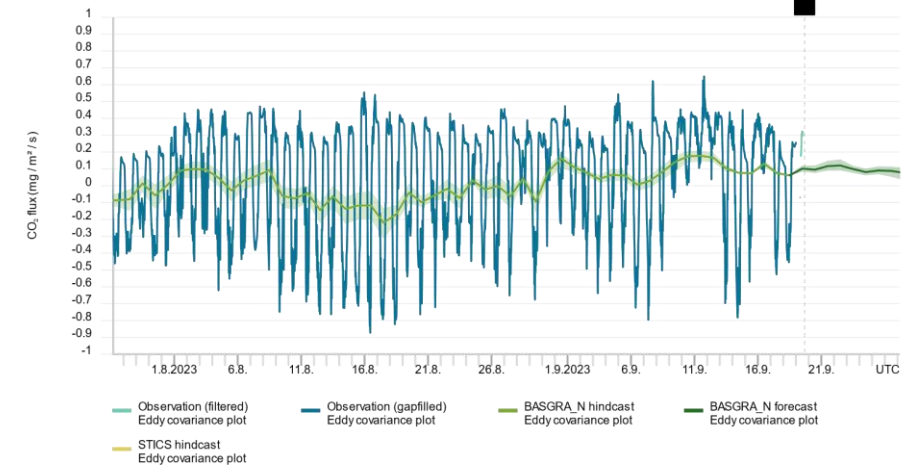
EXAMPLES ON SUSTAINABLE CARBON FARMING AND APPLYING MRV SYSTEM

Qvidja intensive pilot farm

regenerative farming approach, carbon farming trials and soil carbon MRV system development



 Eddy covariance plot



<https://www.fieldobservatory.org/index.php/case-qvidja/>

FOOD INDUSTRY EXAMPLE: VALIO CARBON NEUTRAL MILK CHAIN 2035

Cooperation with BSAG and Carbon Action

- 700 dairy farms trained in regenerative agriculture methods
 - 100% (4 300) by 2035
- BSAG's practical online course on regenerative farming included as an optional training module to qualify for sustainability bonus (premium)
- Carbon ley farming (21% of reductions by 2035)
- Tested, science-based practical solutions, knowledge and peer support for farmers

<https://www.bsag.fi/en/carbon-farming-training-for-the-valio-dairy-farmers/>

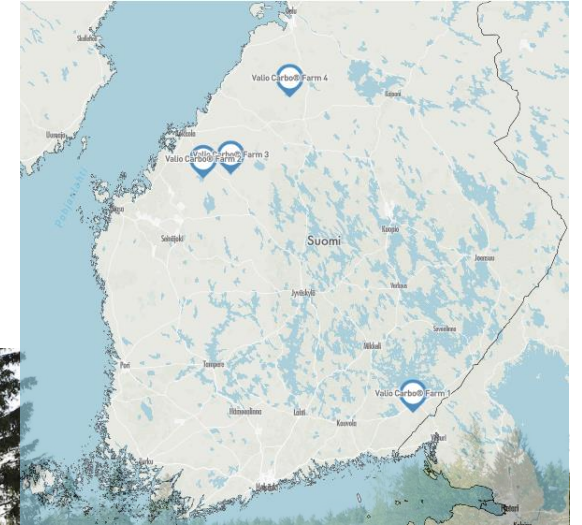


Photo: Antti Kotka

FARMER TESTIMONIALS

“Regenerative farming has helped me save 1/3 in mineral fertilizers and thus mitigate the rising costs” – Jari Eerola

“Soils were degraded after decades of monoculture. Renerative farming has improved soil structure and fertility in less than 5 years” – N.N.

“It feels great to be a pioneer and have a positive impact by example” – N.N.

“Carbon Action helped me find my farmer identity and make the decision to take over the management of our family farm” – Maria Oesch



All photos: BSAG, unless other credit mentioned



**Healthy soil
as a foundation of
productive farming
and healthy
ecosystem**

**Carbon
sequestration as a
by-product**

