BeZero Carbon Rating Summary

AgroEcology_Italy · ICR48

May 2026

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BeZero

Condensed summary prepared by Alberami S.r.l. Società Benefit from the BeZero Carbon Ex Post Rating (June 2026). Topline ratings are publicly listed at bezerocarbon.com/listings.

Project & Rating

AgroEcology_Italy (ICR48) is a regenerative agriculture project across Italy — predominantly the south and Sicily — improving soil organic carbon in perennial and annual cropping systems on smallholder farms through reduced tillage, cover cropping, organic residue application and organic management. Each participating farmer implements at least three new practices beyond their baseline.

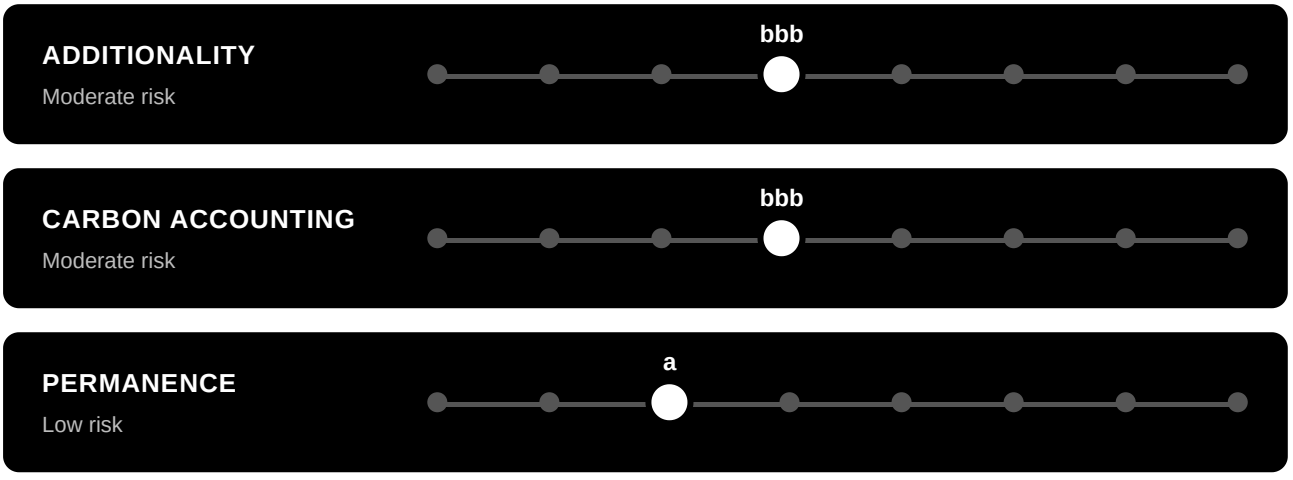
DEVELOPER	LOCATION	SECTOR	CREDIT TYPE
Alberami S.r.l. SB	**Italy**	**Soil Carbon & Agriculture**	**Removal**
METHODOLOGY	VINTAGE RANGE	PROJECT START	CREDITING HORIZON
VM0042 v1.0	**Jan 2022 – Nov 2025**	**01 Jan 2022**	**15–45 years**

BeZero Carbon Rating

BBB **Moderate likelihood of achieving one tonne of CO_2e removal. Above the median for the 685+ rated projects on the BeZero platform.**

The rating reflects a moderate likelihood of additionality, moderate likelihood of accurate carbon accounting, and a high likelihood of permanence. ICR48 sits in the upper portion of the global rating distribution, ahead of the large concentration of projects rated BB and below.

Component Ratings



Additionality

Moderate likelihood. The integrated regenerative practice stack remains uncommon in Italy at project-equivalent scale, and participating farms face material financial and operational barriers to adoption without carbon finance.

Integrated regenerative management — combining reduced tillage, cover cropping, residue management and diversified soil practices — is rare across southern Italy. No-till is practised on roughly 3% of holdings nationally, and comprehensive conservation agriculture is rarer still. While organic agriculture is more common in the south, only about 8% of the project area adopted organic management specifically because of the project, limiting reliance on already-established practices.

Barriers are structural: Italian farms average ~11 hectares, most managers are over 60, and under-40 farmers represent under 10% of the population in Calabria, Puglia and Sicily. As the first Italian voluntary-market regenerative agriculture project, ICR48 also carries first-of-its-kind barriers around aggregation, MRV and farmer engagement. Some adverse-selection and policy-overlap risk is present, but the credited practices extend well beyond what CAP eco-schemes or prior organic certification would deliver on their own.

Carbon Accounting

Moderate likelihood. A relatively robust soil organic carbon (SOC) framework is supported by field-level historical records, updated national datasets and detailed stratification — though removals rely on modelled SOC change rather than repeated direct measurement.

144	2.77	3.21	151
mutually exclusive soil sampling strata	tCO_2e/ha/yr ex-post (MR1, 2022–23)	tCO_2e/ha/yr ex-post (MR2, 2024–25)	in-area soil observations validating RothC

The project applies the RothC model — well established for Mediterranean mineral soils — validated against 151 in-area soil observations, with stronger predictive performance for the dominant cereal (~64%) and olive (~28%) systems. Sampling uses ISO/IEC 17025-accredited laboratories and Italy's official Walkley-Black method with a fixed empirical correction. Baselines draw on at least three years of audited management data via the Fascicolo Aziendale.

> **Conservative design:** N_2O emissions and above/below-ground biomass are kept inside the boundary but excluded from issuance — likely conservative given that ~14% of the area plants new trees and orchards. Ex-post sequestration rates are consistent with published Mediterranean ranges. An extensive 2025 sampling campaign is expected to support model recalibration in future monitoring periods.

Permanence

High likelihood (component rated A, low risk) — the strongest pillar of the rating. No farmer withdrawals have occurred to date, regenerative practices improve drought resilience and soil health, and exposure to fire and pest risk is low.

A	11%	0%	65–75%
permanence component — low risk	buffer contribution (10% required + 1% voluntary top-up)	farmer withdrawals to date	of credit revenue shared with farmers

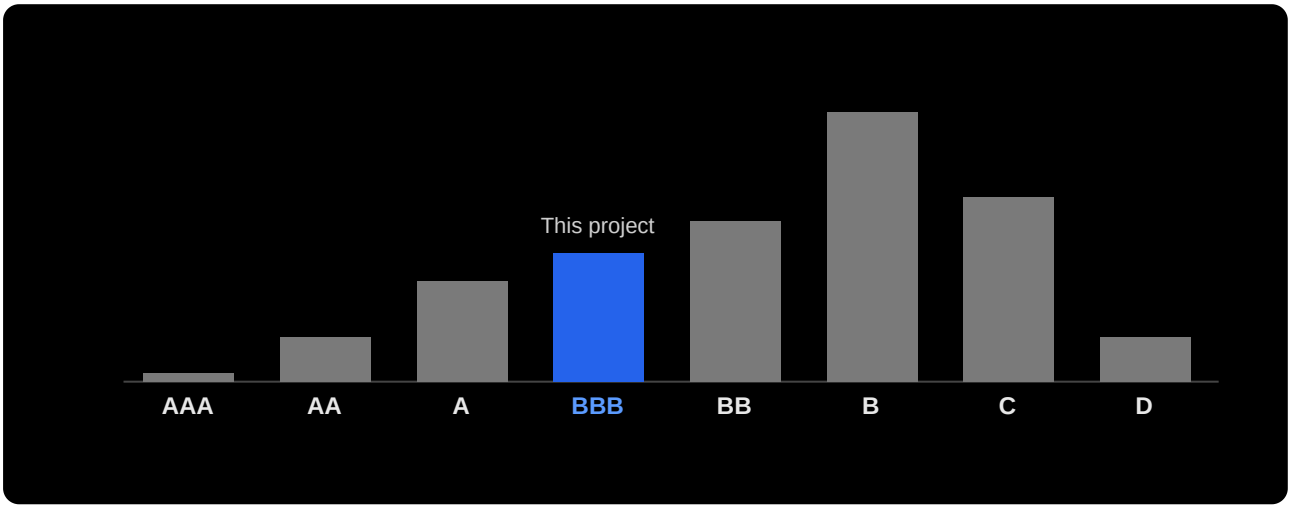
Fire — low risk. Olive groves (~28% of area) are fire-resistant, annual burned area within the boundary has stayed between 0% and 0.7% since 2018, and the parcellised structure limits spread. **Pests & disease** — low risk; despite Xylella fastidiosa in Puglia, roughly two-thirds of the project's olive instances sit outside the affected region and most outbreaks affect aboveground biomass rather than SOC.

Drought is the principal permanence factor (moderate), as climate change raises drought frequency in southern Italy's rainfed systems. The project counters this through drought-tolerant species, efficient irrigation guidance and soil-building practices that improve water retention. **Carbon rights** are well established via cadastral T1 forms and the Fascicolo Aziendale; 15-year agreements (twice renewable to 45 years) include benefit-sharing and buffer-pool mechanisms that discourage early exit.

> **Farmer alignment:** participants receive 65–75% of credit revenue, with an additional 10% of credits withheld over the first five years and released at years 5, 10 and 15 to reward permanence. Field agents, annual site visits, training and direct support channels reinforce retention.

Rating Distribution — where ICR48 sits

Against 685+ rated projects across all accreditors, sectors and regions, ICR48's BBB places it above the median, ahead of the large clusters rated BB, B and C.



About this summary

This is a condensed, non-confidential briefing prepared by Alberami S.r.l. Società Benefit for buyers and vetted third parties. It distils the BeZero Carbon Ex Post Rating for ICR48 (rating reviewed 02 June 2026).

About the BeZero Carbon Rating

The BeZero Carbon Rating (BCR) represents BeZero Carbon's opinion on the likelihood that a credit achieves one tonne of CO_2e avoided or removed. It uses an eight-point scale from AAA (highest likelihood) to D (lowest likelihood): AAA, AA, A, BBB, BB, B, C, D. To be eligible, a project must apply an additionality test, be audited by a recognised third party, and maintain sufficient public information. Ratings are assigned by unanimous Ratings Committee agreement following assessment of additionality, over-crediting and permanence. Topline ratings are freely available at bezerocarbon.com/listings.

Disclaimer

The BeZero Carbon Rating represents BeZero Carbon's current opinion on the likelihood that credits issued by a project achieve a tonne of CO_2e avoided or removed, based on publicly available information as at the date expressed. It is provided for information purposes only and should not be construed as legal, tax, financial or investment advice, nor as a solicitation, recommendation or endorsement to invest, buy, hold or sell a carbon credit. It is a statement of opinion, not of fact, and is one of many inputs used to understand credit quality. BeZero Carbon shall have no liability for decisions made in respect of this content.

This briefing was produced by the project developer. For the full rating report, platform analytics or a demo, contact BeZero at project-developers@bezerocarbon.com. For project enquiries, contact Alberami S.r.l. Società Benefit.