



World Coffee Research is 190+ companies in 30 countries working together to drive global, collaborative R&D to ensure the future of coffee















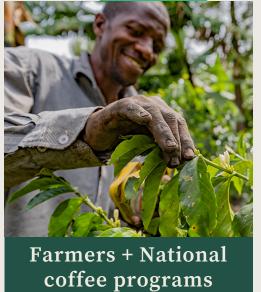


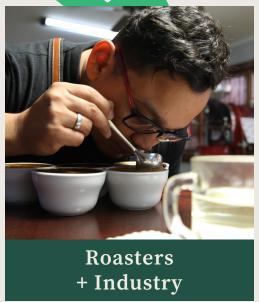




WCR enables the global coffee industry to invest in innovation in coffee agriculture, recognizing that collective investment can generate transformational, generational impact on coffee production worldwide.

WE ARE A BRIDGE CONNECTIVE





Cutting-edge research advances our shared priorities

Our team works from 17 countries across the globe



Our aim is to **preserve origin diversity** in the face of the climate crisis by working urgently in multiple, strategically targeted countries.





We unleash the power of coffee varieties to create a flourishing and sustainable future for farmers, consumers, and businesses.



Enhance productivity, climate-resilience, and farm profitability



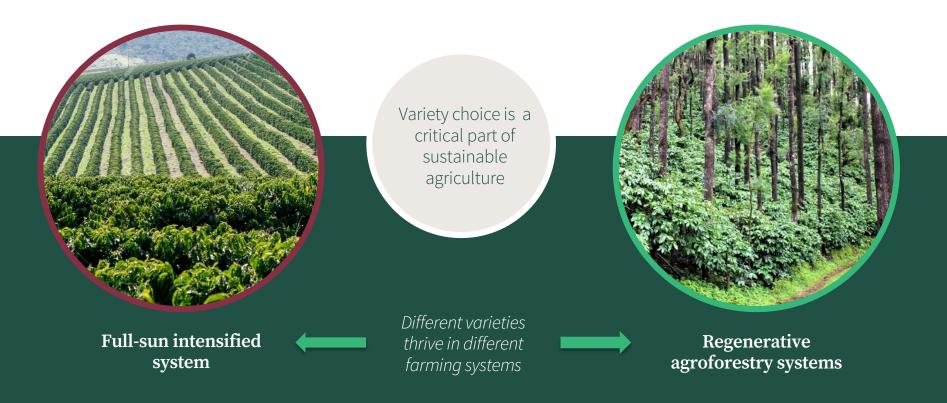
Improve quality for different markets



Reduce supply chain risk



Variety innovation gives farmers choices. We envision the sector we want to build and co-create the varieties to take us there.



Innovation matters. But most coffee farmers are using varieties that haven't been updated in 50+ years.



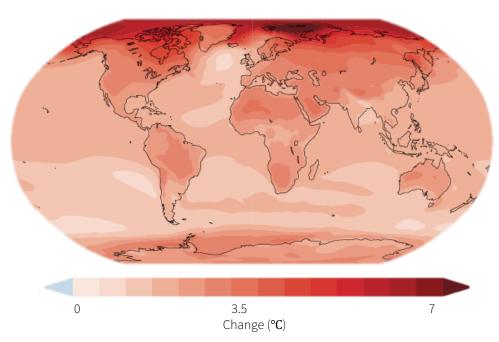
Improved varieties are one of the most powerful tools we have to address the climate crisis

What matters for coffee?

Current varieties are susceptible to high heat, unpredictable rain, and more extreme droughts, storms, heatwaves, frosts + increased disease

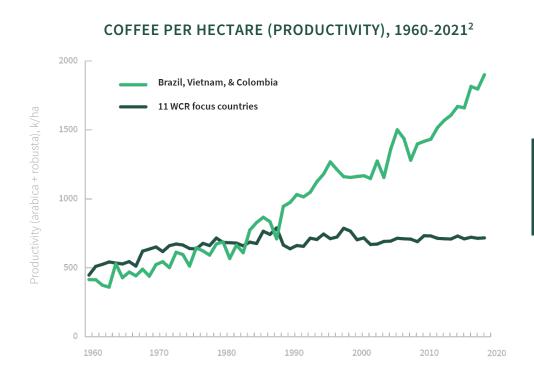
What is the consequence?

- Coffee availability + quality becomes unpredictable
- Increased cost of production and loss of financial resilience for farmers
- Risks to companies facing uncertain supply and increasing accountability for what happens in their supply chains



The world keeps getting hotter and more unpredictable—predicted global average temperatures at 2°C compared to 1850-1900

Increasing productivity will enable many producing countries to reduce pressure for deforestation and increase farmer income.



Climate change accelerates productivity disparities, **consolidating the world's coffee supply**. The consequences for farmers and the environment are huge.

Today, just 3 countries produce over 60% of the world's coffee. The rest of the world is struggling to keep up

¹International Coffee Organization trade statistics, 2021

² Chart data: FAOSTAT, 2022

Coffee R&D will deliver **choices for farmers** over the next decade as we bring **modern tools to accelerate** progress. We'll catch up!

111 coffee varieties registered in UPOV



There is 48x more innovation in apple breeding than in coffee

Investing in innovation catalyzes resilience and growth for the global coffee sector



GLOBAL COFFEE AGRICULTURAL R&D INVESTMENT GAP

\$452

MILLION/YEAR



Source: Coffee's Innovation Crisis, 2023



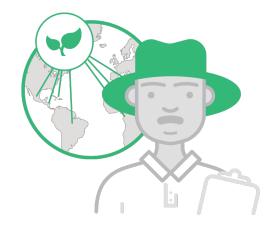


Variety innovation delivers impact at scale, meaning it can benefit millions of farmers around the world.

HOW IT WORKS



Researchers create and tests new varieties

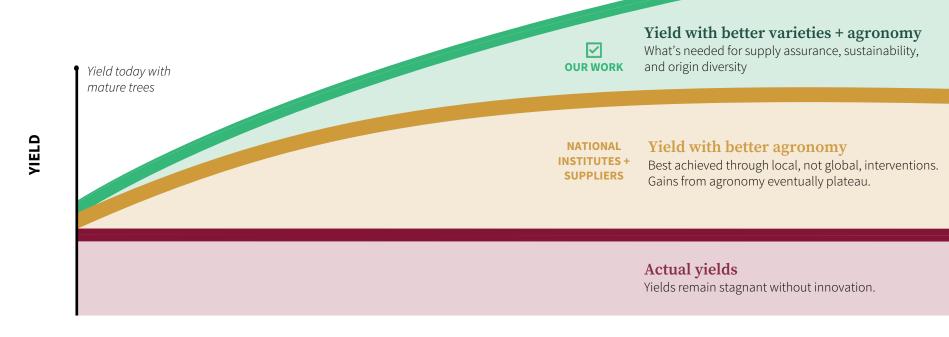


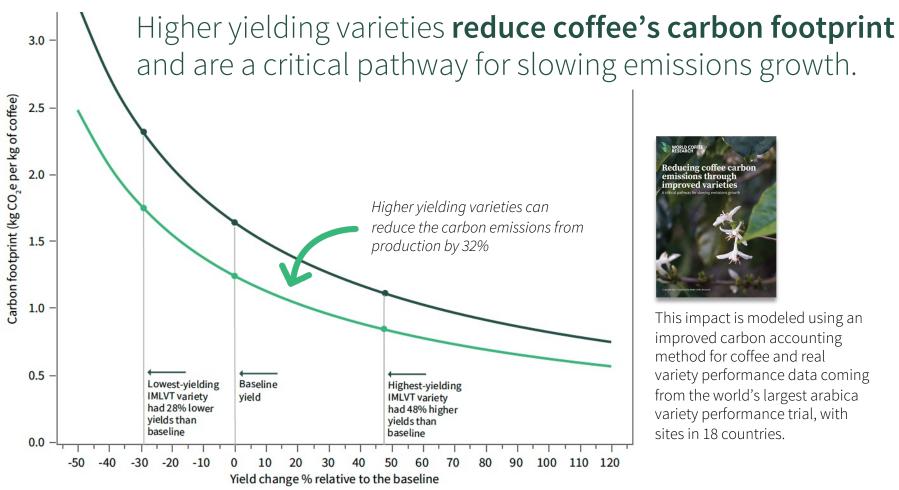
Effective seed sectors make them available to farmers



They are applied at the farm to increase quality, yields, and profitability

Why varieties? After you optimize agronomy, variety development is required to improve productivity. Variety innovation is a much more effective investment for a global organization like WCR than agronomy interventions, which are local in scale. But the timelines are long, so we need to start now.







This impact is modeled using an improved carbon accounting method for coffee and real variety performance data coming from the world's largest arabica variety performance trial, with sites in 18 countries.

Improved varieties enhance sustainability and reduce business risk at the same time.



Research improves the goodness of coffee

How good it tastes, how good it is for the planet, and how good it is for people who grow it.

The research we conduct today will determine the future of coffee.





Four integrated program areas to put the best coffee varieties into farmers' hands

- 1. Modern, demand-led global coffee breeding
- 2. **Trials**, evaluating & facilitating access to varieties
- 3. Nursery and seed sector strengthening
- 4. Global **advocacy** and alignment



We deliver results—today and tomorrow

For a tree crop like coffee, it takes time for new innovations to be widely adopted by farmers. That's why our program areas are tailored to deliver short-, medium-, and long-term results.







To safeguard **origin diversity**, our work benefits countries critical for ensuring a **diverse supply** of coffee.

WCR executes high-value, applied research and engages industry and governments to **invest in innovation**

Our direct work

INDUSTRY INVESTMENT

- Modern, demand-led breeding
- Global variety trials
- Nursery + seed sector strengthening

Our advocacy

MOBILIZE \$\$\$ PUBLIC FUNDING

Increase global coffee R&D funding from consuming country governments to address bigger, broader challenges facing the coffee sector

The future of coffee

SHARED INVESTMENT

Supply risk reduced, origin diversity and market differentiation secured, climate goals and sustainability targets met

Breeding INNOVATIONS AND SYSTEMS

Using modern breeding tools and the power of global collaboration, our unparalleled breeding networks are transforming global coffee breeding and laying the foundation for the dawn of new opportunities in our industry.

- Arabica global network in 9 countries
- Robusta global network coming in 2024
- Modernizing Ethiopian national program

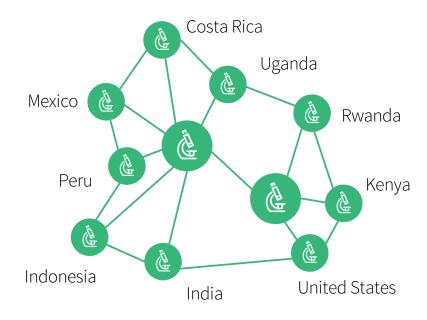


Innovea

Global Coffee Breeding Network







- 5000 new + unique trees in 11 sites
- Global and collaborative (9 partner countries)
- Led by a world-class breeding team
- Global testing ensures climate resilient trees, tailored to local needs
- First new varieties reach farmers in 2036



Trials

FIELD PERFORMANCE AND QUALITY

Our trials help countries evaluate and access the best current varieties.

International Multilocation Variety Trial

31 top varieties · 29 sites · 18 countries



F1 hybrids · 4 final candidates to field trials in 2024

Nurseries

AND SEED VALUE CHAINS

To make higher quality plants available to farmers today, we strengthen seed systems, purify seed lots, and train nurseries.

New low-cost SNP markers for DNA fingerprinting of varieties + contract with a global provider = quality assurance







Global Leadership

To drive our industry's global agenda forward and deliver shared value, we foster collaboration, set priorities for global coffee R&D, produce open-access knowledge products, and advocate for increased public support and funding.

Our our advocacy

The future of coffee

Our members leverage their collective power to ensure:

190+ COMPANIES A research portfolio that responds to industry needs

Farm
productivity,
profitability +
climate
resilience

Secure, diverse supply

Quality

Unlocking increased public investment for shared priorities







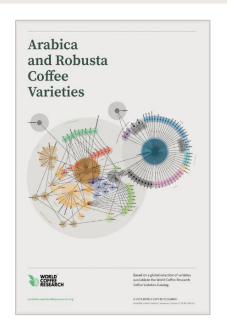








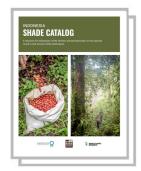
We produce free, open-access resources for farmers and industry









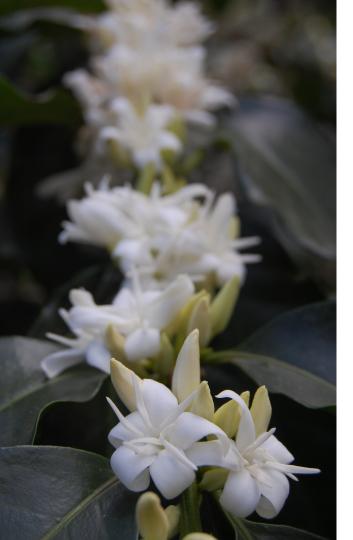






Our knowledge products have been accessed over 650,000 times from 99 countries

worldcoffeeresearch.org/resources



World Coffee Research unites the global coffee industry to drive science-based agricultural solutions to urgently secure a diverse and sustainable supply of quality coffee today and for generations to come.

Our mission is to grow, protect, and enhance supplies of quality coffee while improving the livelihoods of the families who produce it.