

Daniele Giovannucci
Geneva 2014

thecosa.org/communications/our-publications/



Measuring Sustainability Report

Committee **O**n **S**ustainability **A**ssessment

MISSION

Advancing transparent and global measurement tools
to **understand**, **manage**, and **accelerate**
sustainability.



34 partners
and counting



17,800
surveys



12
countries



15 million
data points

Committee On Sustainability Assessment

working together with diverse & capable partners



“ Decisions to help ensure long-term sustainability can only be as robust as the information upon which they are based.



State of the Art Assessment

Credible

Comparable



Relevant
for conditions

Actionable
for decision-making

STANDARDIZED

Economic

1. Farmer Livelihoods
2. Risk & Resilience
3. Competitiveness
4. Management
5. Organizational

Social

1. Health & Safety
2. Working Conditions
3. Education & Training
4. Basic Rights & Equity
5. Inclusive Value Chains

Environment

1. Resource Use
2. Waste
3. Soil Conservation
4. Biodiversity
5. Climate Change

COSA basis: International & Normative References

- CITES Convention
- Convention on Biological Diversity
- FAO Rome Declaration on World Food Security
- FAO GAP
- Global Compact - UN
- IFC Social and Environmental Policies & Performance Standards
- ILO Core 8 Conventions
- International Covenant on Economic, Social and Cultural Rights
- International Plant Protection Convention
- Millennium Development Goals
- OECD Agri-Environmental Indicators
- OECD Economic Guidelines
- Ramsar Convention on Wetlands
- Rio Declaration
- Stockholm Convention on Persistent Organic Pollutants
- UN Convention to Combat Desertification
- UN Framework Convention on Climate Change
- Universal Declaration of Human Rights
- Winnipeg Principles
- WHO Guidelines for Water Quality
- Etc...



COSA Scientific Committee

Tanguy Bernard – IFPRI

Lawrence Busch - Lancaster Univ. & MSU

Alain DeJanvry - Univ. California Berkeley

Michael Hiscox - Harvard Univ.

Jeremy Hagggar - University of Greenwich (NRI-CATIE)

Steven Jaffee - World Bank

Jaya Krishnakumar – Univ. of Geneva

Dagmar Mithöfer – Rhein-Waal Univ.

Bob Picciotto – Kings College (World Bank Dir.-General Evaluation ret.)

Krislert Samphantharak - Univ. Cal San Diego

COSA: **U**nique in 4 ways

1. Partner with local institutions

2. Aligned with Global Norms

3. Flexible solutions

4. State-of-the-art science

THE COSA SYSTEM



Scientific Methodology

A proven scientific methodology for assessing the multi-dimensional aspects of sustainability in agriculture



Local Capacity

Local capacity building in developing country institutions so they can partner in research



S.M.A.R.T. indicators

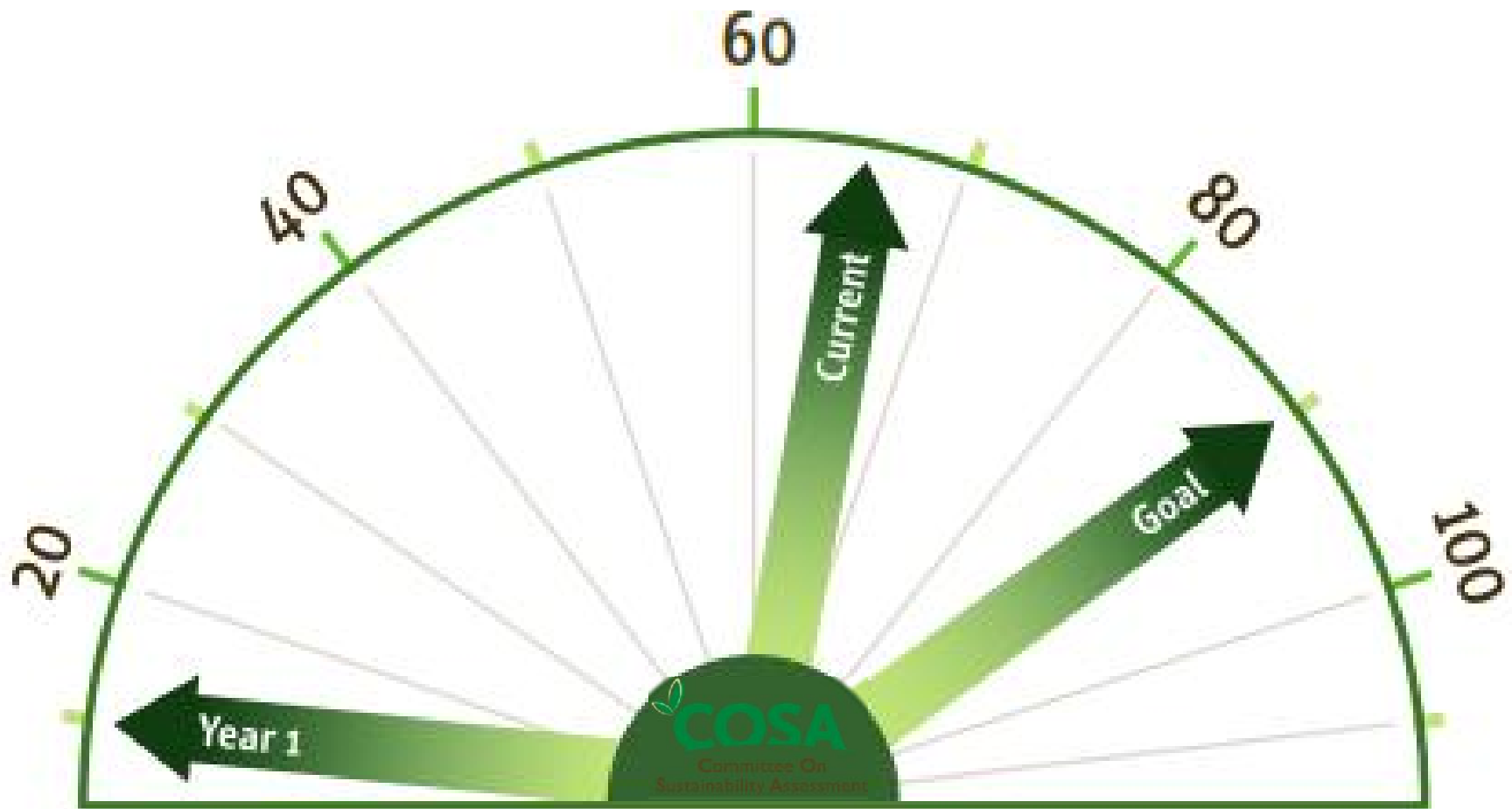
Commonly defined S.M.A.R.T. indicators for consistent measurement and credible data



Tools

A set of tools for gathering, comparing and sharing information

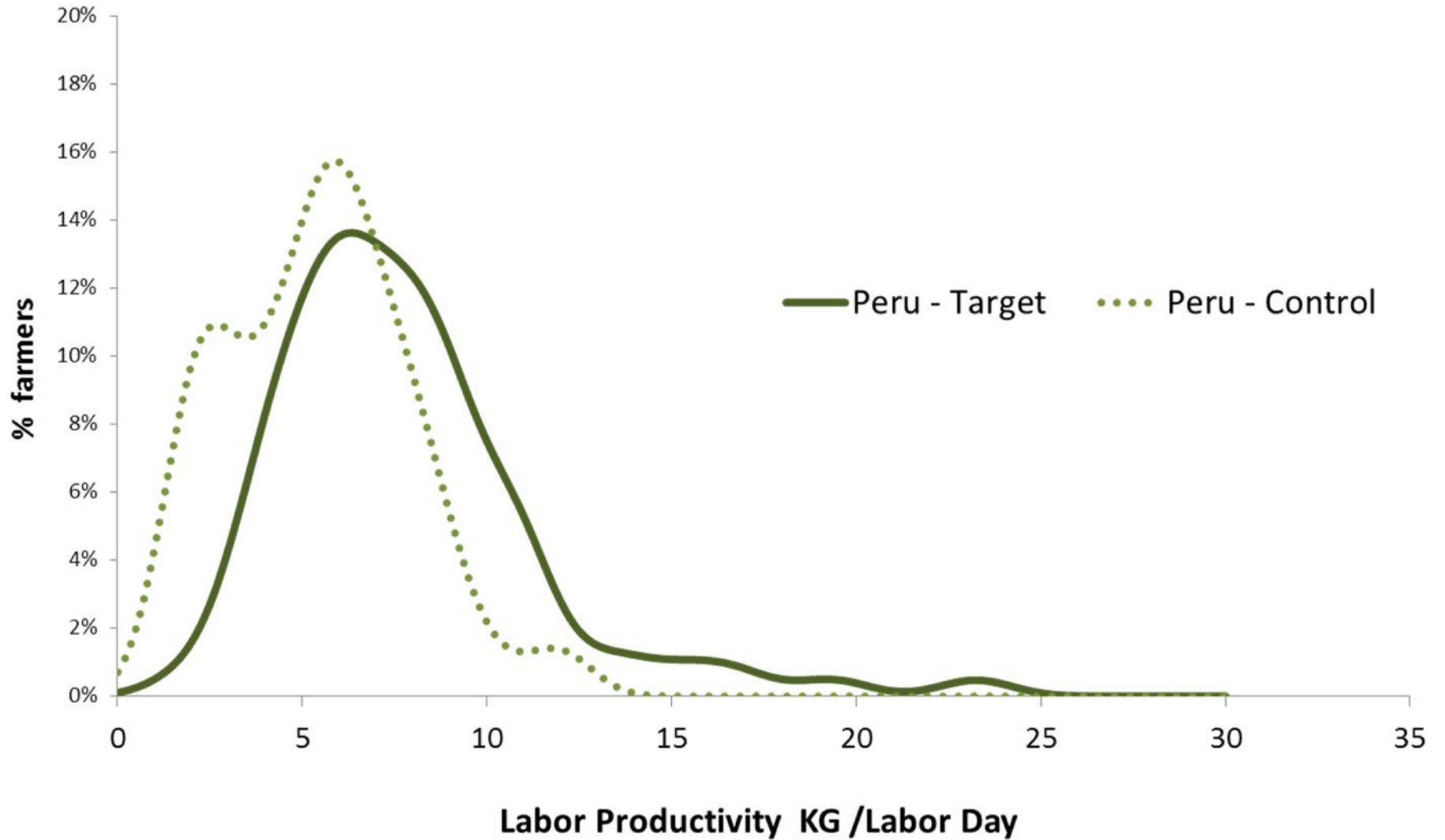
Management dashboards



COSA Measuring Sustainability Report: Coffee & Cocoa in 12 Countries

Samples of outcomes...

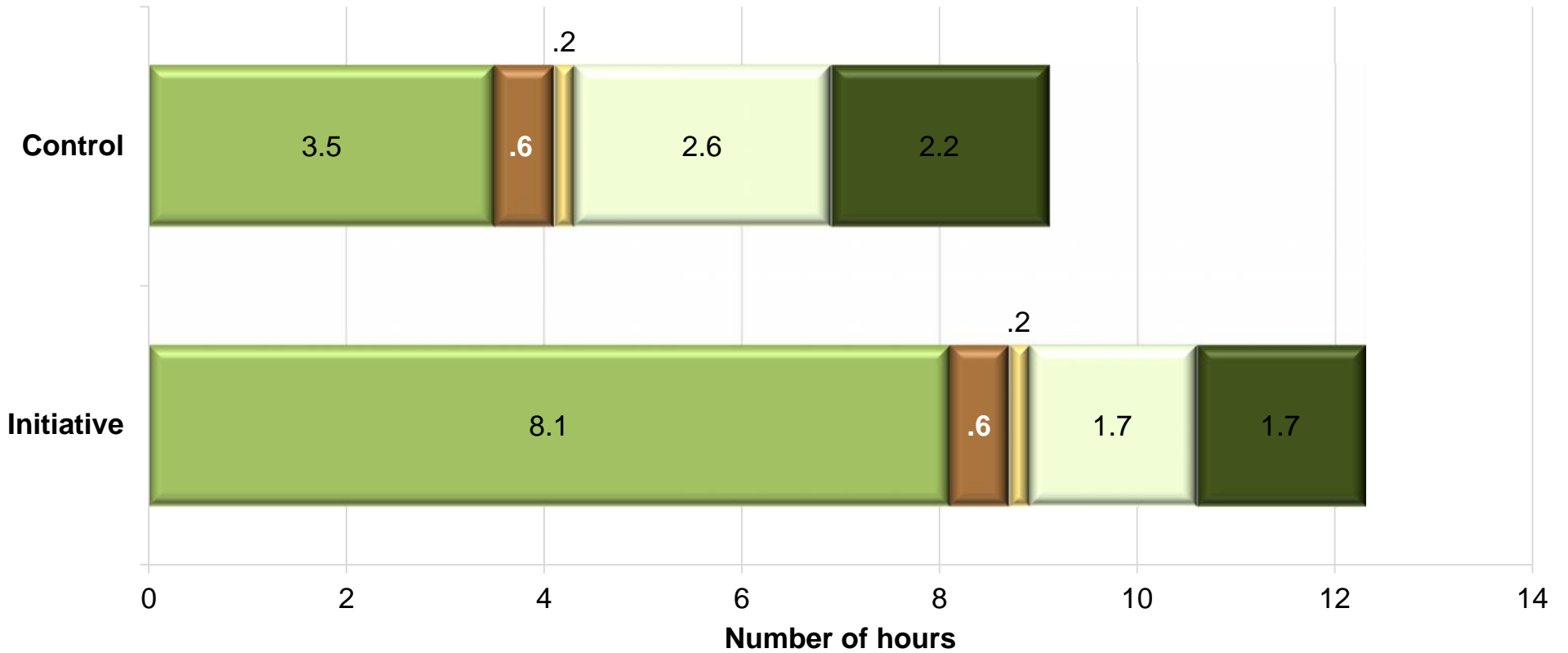
Figure 7.9 Labor Productivity in Peru



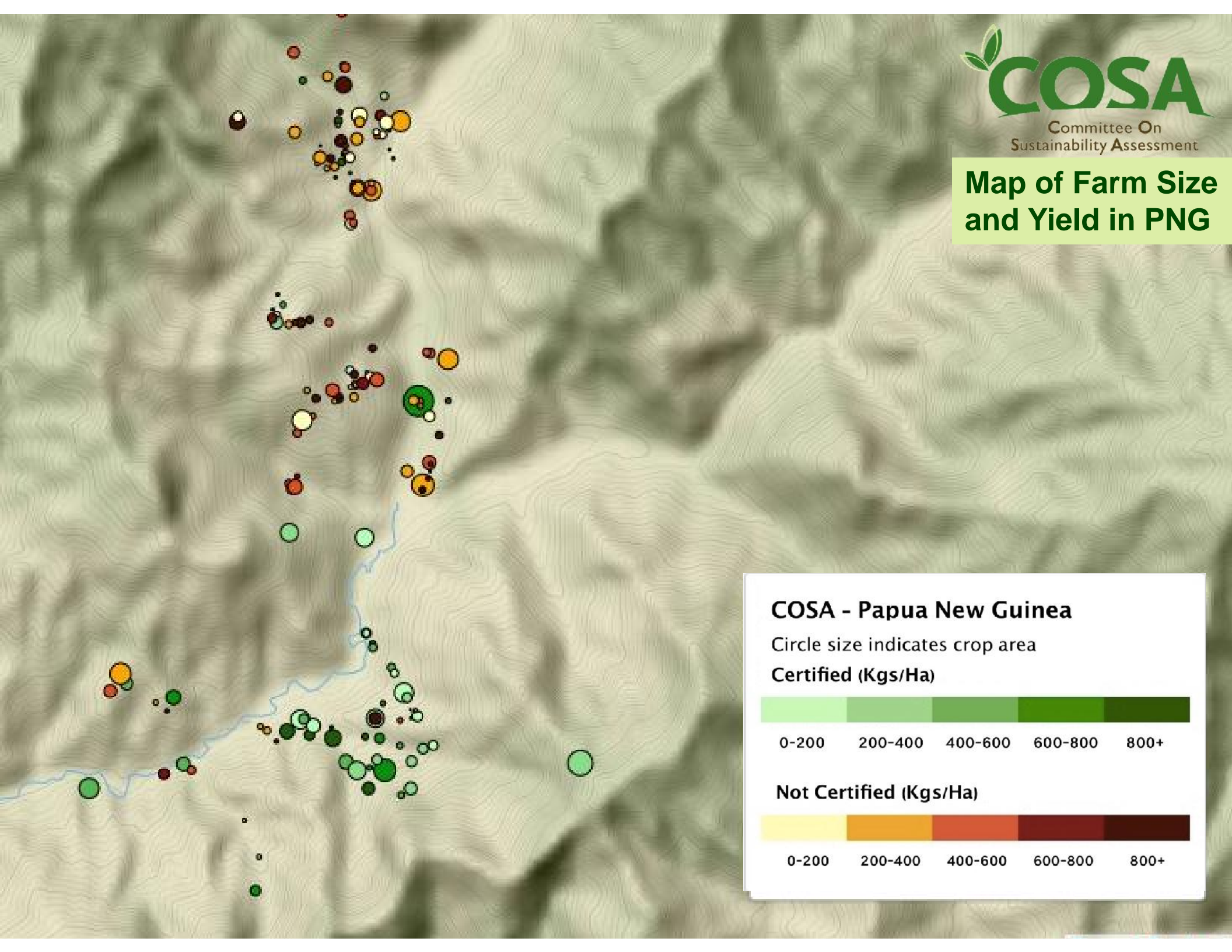
Is Just Training Enough?

What Types of Training?

■ Improving farm operations ***
 ■ Record keeping
 ■ Marketing
 ■ Health and social ***
 ■ Environmental



Map of Farm Size and Yield in PNG



COSA - Papua New Guinea

Circle size indicates crop area

Certified (Kgs/Ha)



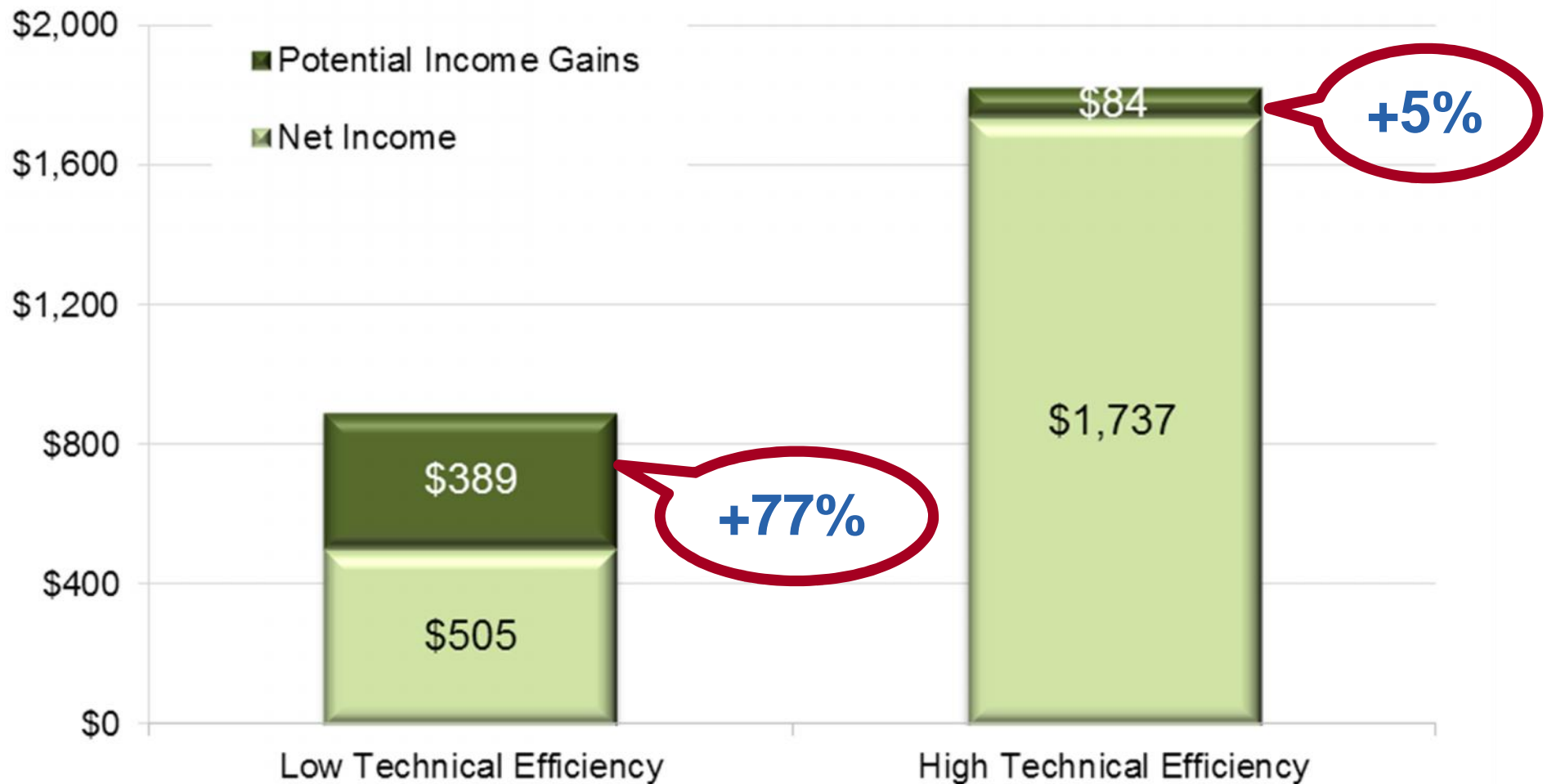
0-200 200-400 400-600 600-800 800+

Not Certified (Kgs/Ha)

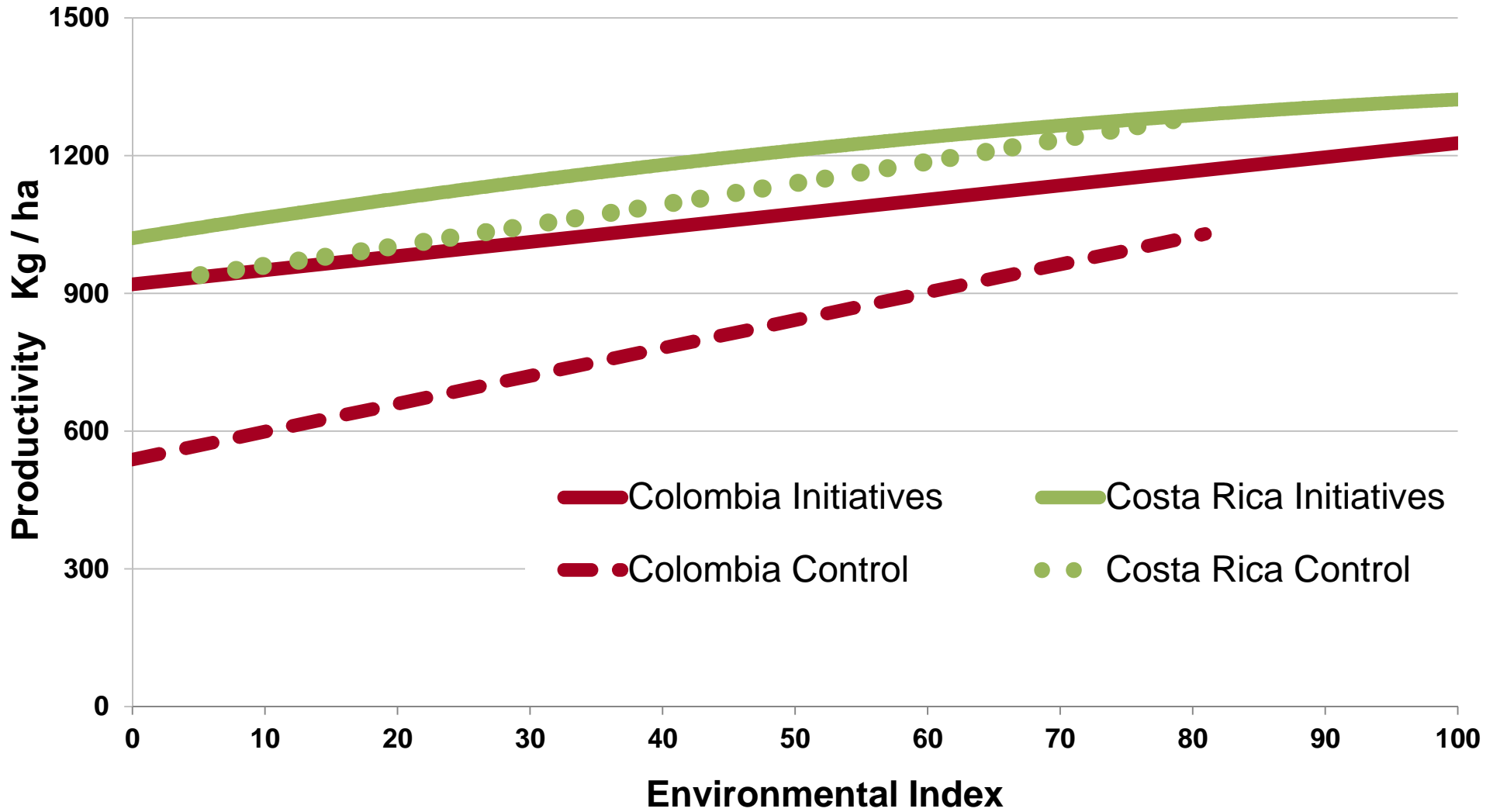


0-200 200-400 400-600 600-800 800+

Potential Income Gains from Technical Efficiency in Mexico



Environmental Index and Productivity

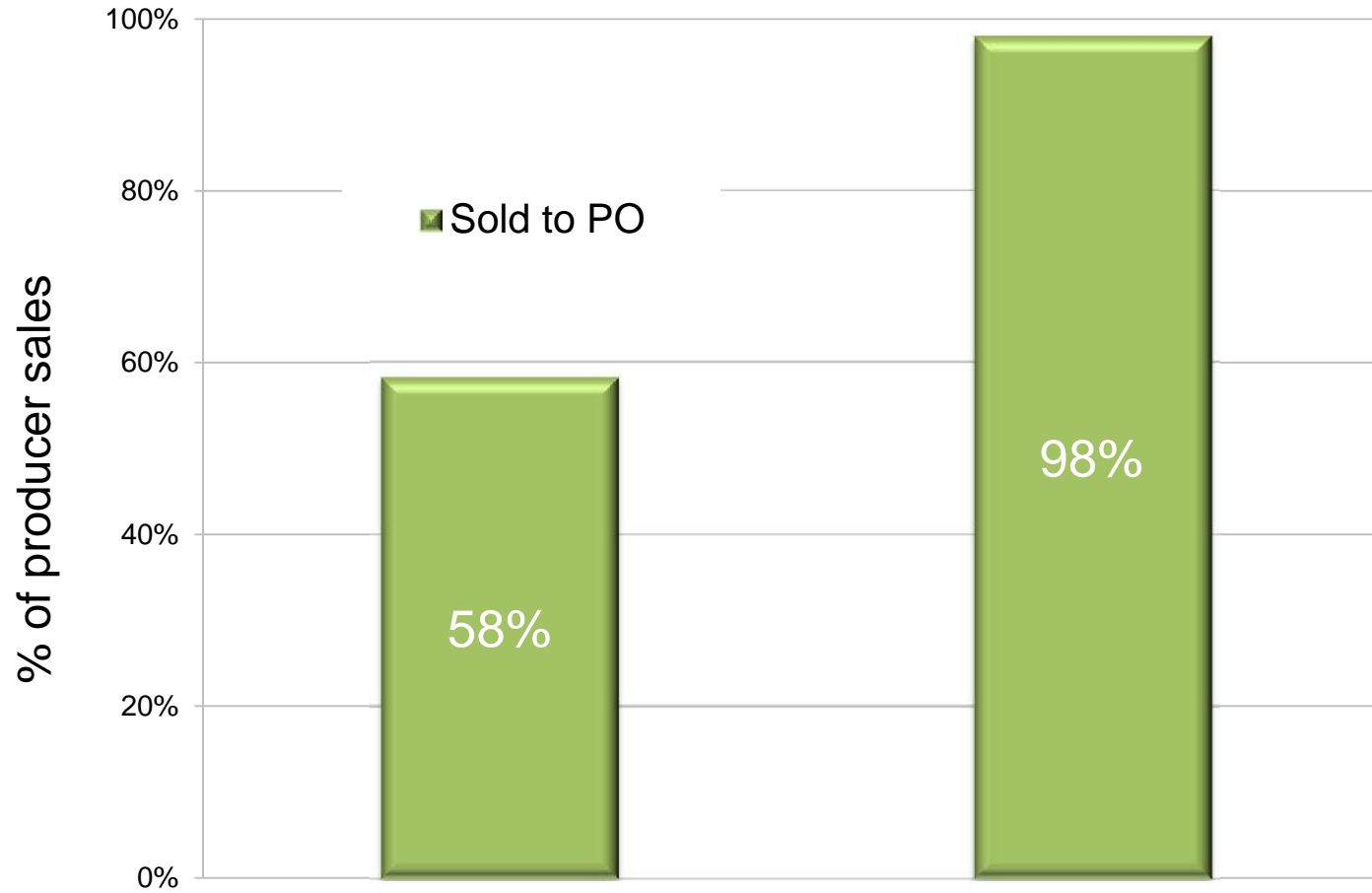




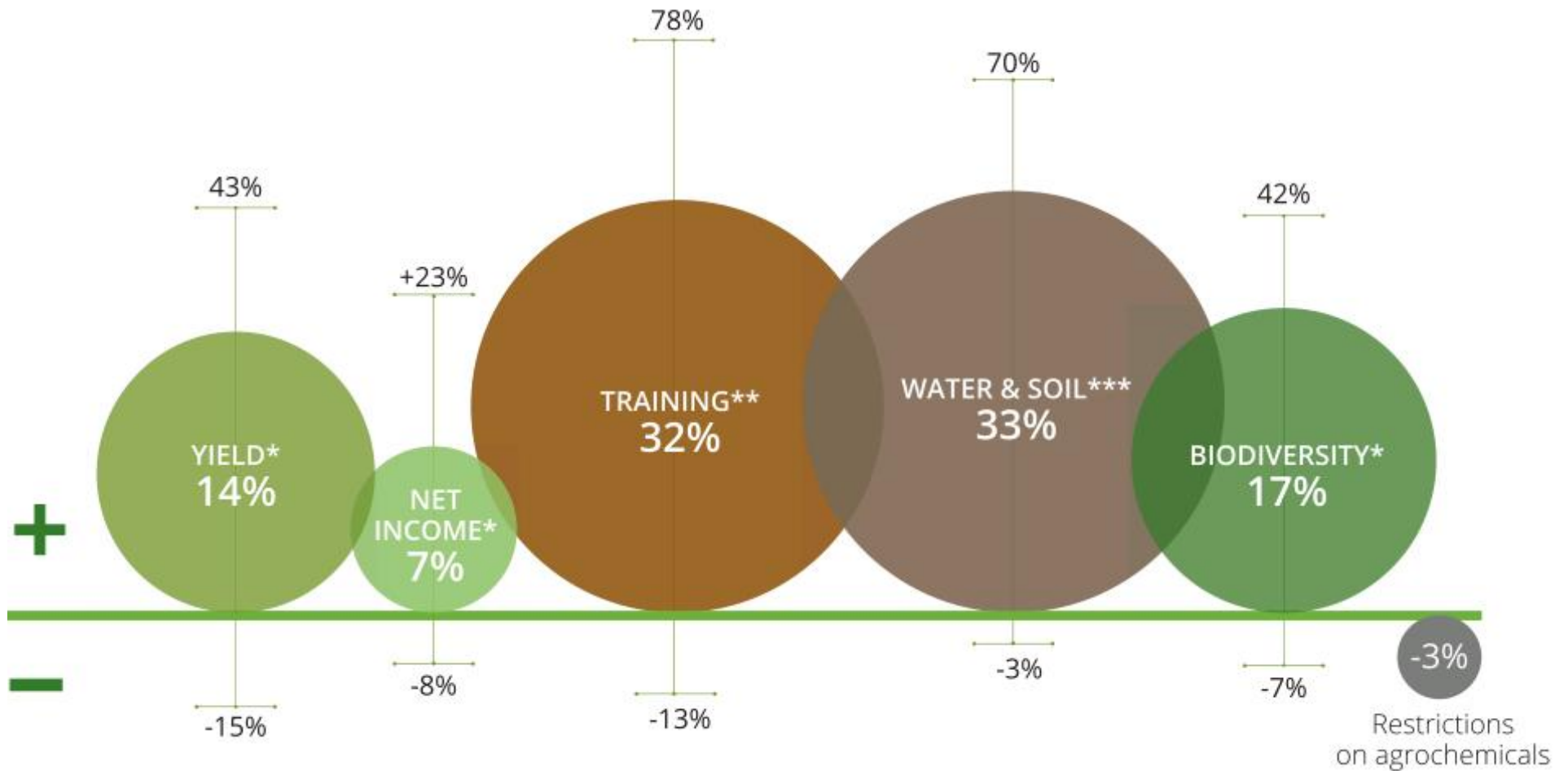
+ 18 expert partners

Assess Sustainability of Producer Organizations

Sales to Producer Organization



Multi-country “Certified vs. Uncertified” Outcomes



Sample: Each data point = 5,200 to 16,000 coffee and cocoa farm surveys with control groups

YOUR Shared Platform

1. Globally comparable **indicators** and tested field surveys
2. Electronic data gathering with **COSA Touch**TM
3. **Data management** via dedicated + searchable database
4. **Impact analytics** provide credible neutral assessments
5. **Managerial tools** to monitor and evaluate performance



With support from...

