

Global Map of Environmental & Social  
Risks in Agro-Commodity Production



# OUR PRESENTERS



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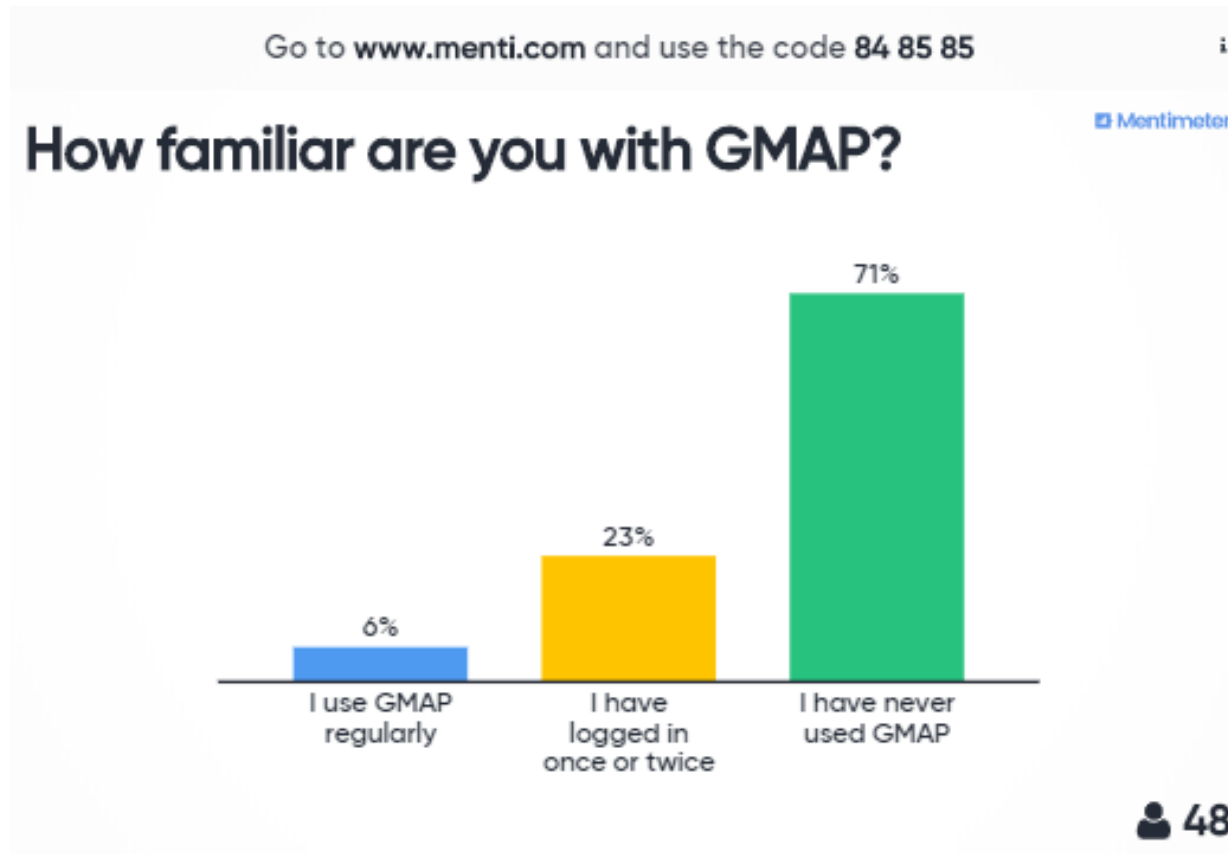


# TODAY'S AGENDA

- Background on GMAP and the organizations partnering on GMAP
- Demo of GMAP
- Quick polls
- Questions and answers



# QUICK POLL



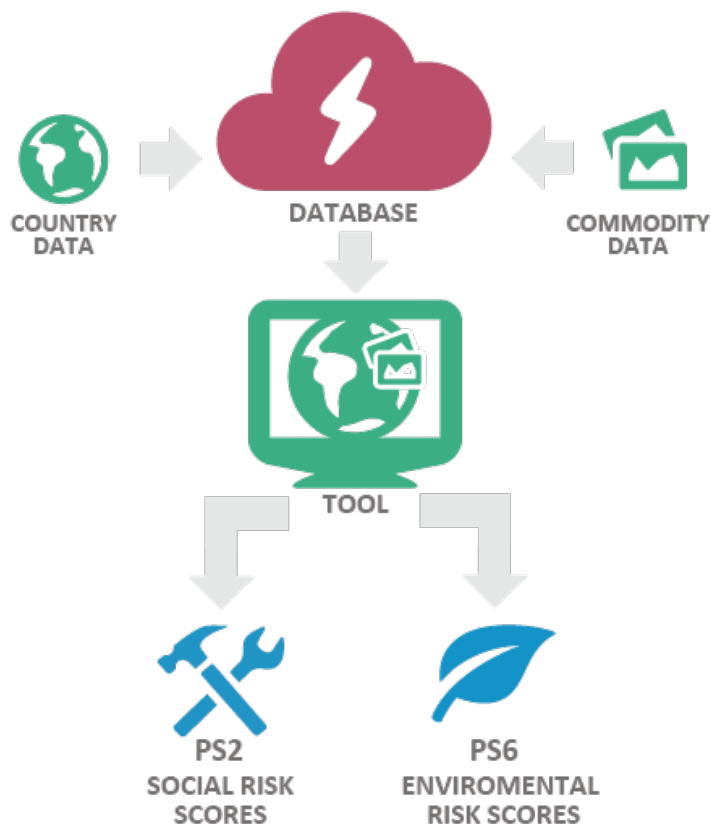


# HOW TO ACCESS GMAP

<https://gmaptool.org>



# WHAT IS GMAP?



The Global Map of Environmental & Social Risk in Agro-commodity Production (GMAP) is **an online database** developed by IFC in partnership with World Wildlife Fund (WWF) and, with regard to the most recent updates, the International Trade Centre (ITC).

GMAP was developed using a methodology informed by WWF's Supply Risk Analysis. GMAP aggregates information on **Environmental and Social (E&S) risks** for about 250 country-commodity combinations and assigns a color-coded risk score that provides a basis for more systematic E&S due diligence, risk management, and decision-making on financing.



# THE ORGANIZATIONS BRINGING YOU GMAP



*Creating Markets, Creating Opportunities*



International  
Trade  
Centre





# INTERNATIONAL FINANCE CORPORATION (IFC)



Photo © Dominic Chavez/International Finance Corporation



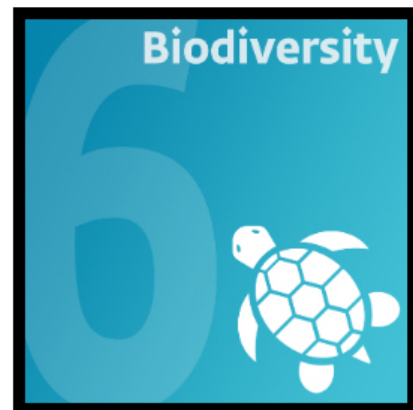
*Creating Markets, Creating Opportunities*

IFC, as the private sector arm of the World Bank Group, is the largest global development institution focused on the private sector in emerging markets.

The Bank Group has set two goals for the world to achieve by 2030: end extreme poverty and promote shared prosperity in every country.



# IFC'S ENVIRONMENTAL & SOCIAL PERFORMANCE STANDARDS





# WORLD WILDLIFE FUND (WWF)



## OUR MISSION

Protecting the Future of  
Nature.

Our unique way of working  
combines global reach with a  
foundation in science that meets  
the needs of both people and nature.



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# INTERNATIONAL TRADE CENTRE (ITC)



UNCTAD

*The UN body for design of policy recommendations to achieve economic and social development through trade and investment.*



WTO OMC

*The forum to negotiate multilateral trade rules, monitor their implementation and handle trade disputes*



*ITC works with local and regional institutions and business people to build trade capacity.*



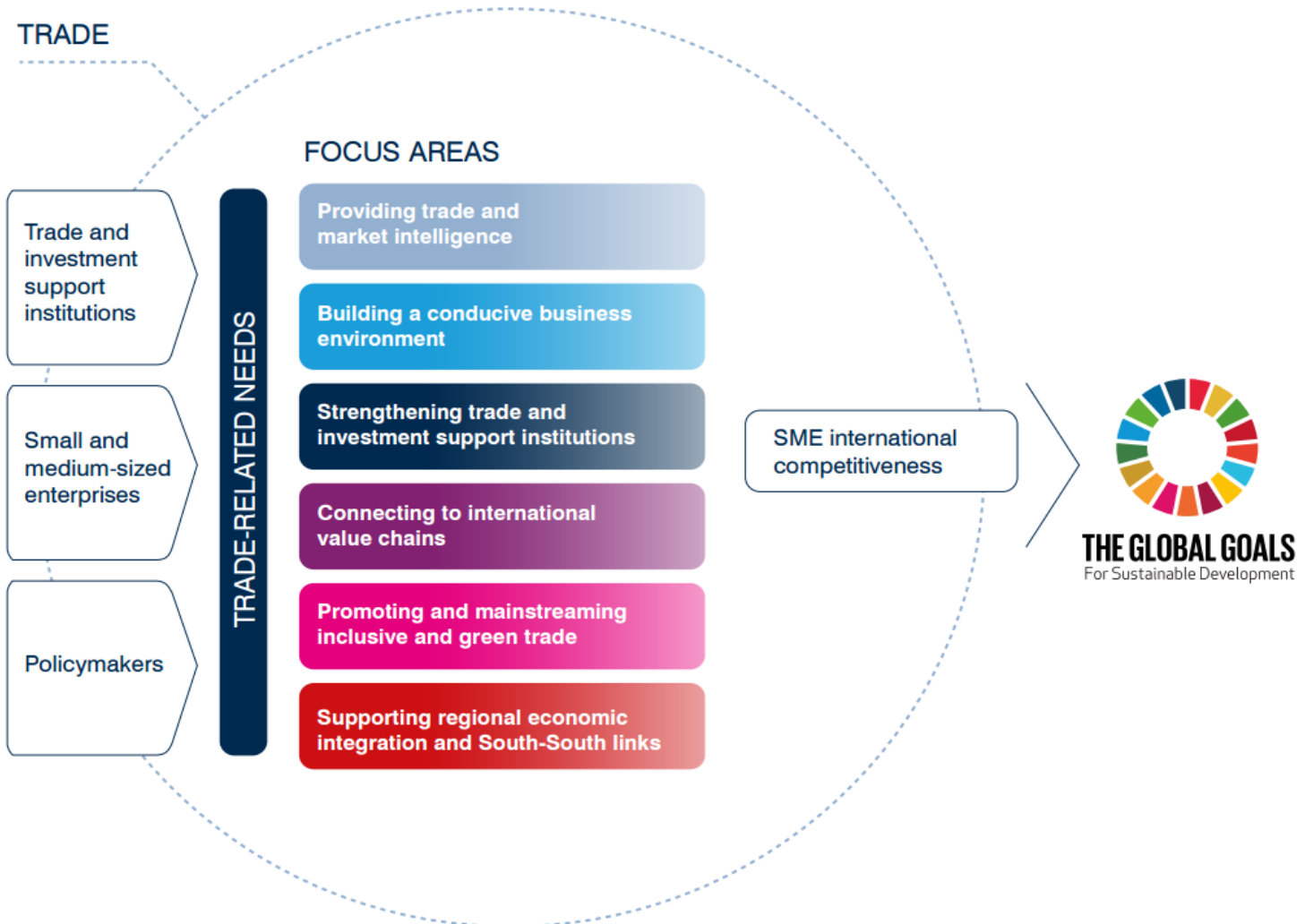
## Our mission

*To foster inclusive and sustainable growth and development through trade and international business development.*



# ITC'S FOCUS AREAS

## TRADE





# SUSTAINABILITY MAP

YOUR ROADMAP TO SUSTAINABLE CONSUMPTION, PRODUCTION AND TRADE



Standards

Network

Trends **Info**

Community

About

EN



*Online platform providing access to a wide-range of info related to sustainability initiatives, standards and trends and connecting companies with business partners*

[www.sustainabilitymap.org](http://www.sustainabilitymap.org)



BUSINESS



PUBLIC SECTOR



CONSUMERS

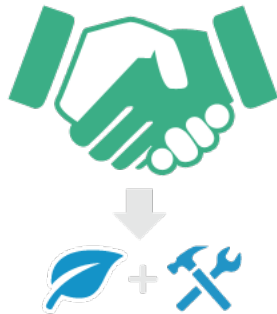


STANDARD SETTING  
ORGANIZATIONS



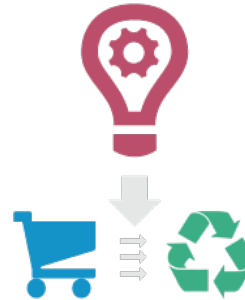
# HOW CAN GMAP HELP YOU

## STRENGTHEN DD PROCESSES



Support financial institutions to strengthen their environmental and social due diligence screening procedures.

## SUSTAINABLE SOURCING



Support agribusiness with undertaking high-level risk assessment of sourcing and defining sustainability sourcing strategies.

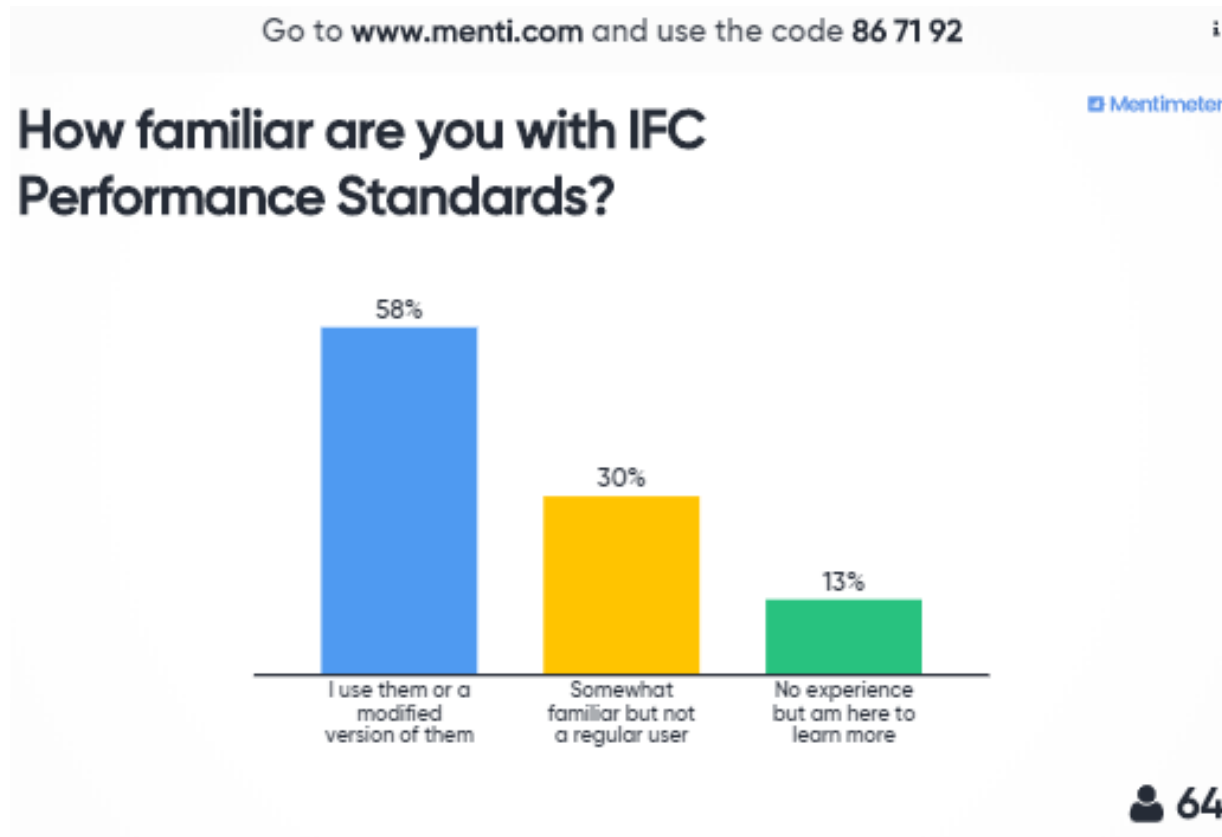
## EXPEDITE DECISION-MAKING



Expedite agro-commodity short-term and trade financing decisions.



# QUICK POLL





# METHODOLOGY

GMAP provides a high-level country and commodity-level evaluation of environmental and social risks associated with agro—commodity primary production. The criteria and indicators align with the [IFC 2012 Performance Standards on Environmental and Social Sustainability](#), in particular the supply chain-related requirements of:



## **Performance Standard 2**

### **Labor and Working Conditions**

- Use of harmful child labor
- Laws related to child labor
- Use of forced labor
- Laws related to forced labor
- Conditions of production
- Laws related to the protection of workers from significant safety issues



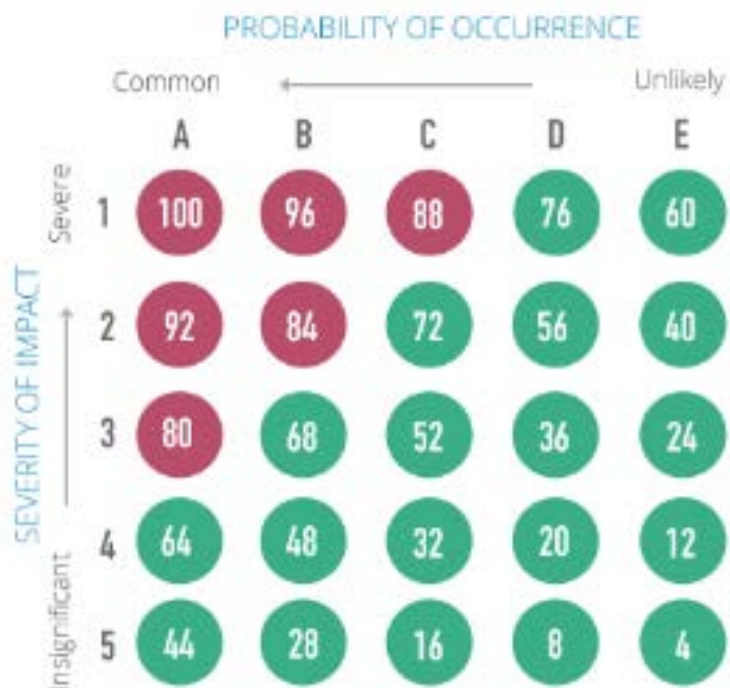
## **Performance Standard 6**

### **Biodiversity Conservation and Sustainable Management of Living Natural Resources**

- Rate of expansion into natural areas
- Impact on protected areas
- Presence and impact on high or unique terrestrial biodiversity
- Presence and impact on high or unique freshwater biodiversity



# RISK ASSESSMENT IN GMAP



The methodology uses a traditional risk matrix to quantify production risk. A risk score for each indicator is derived from a combination of two factors: **Probability of an occurrence** vs **Severity of impact**

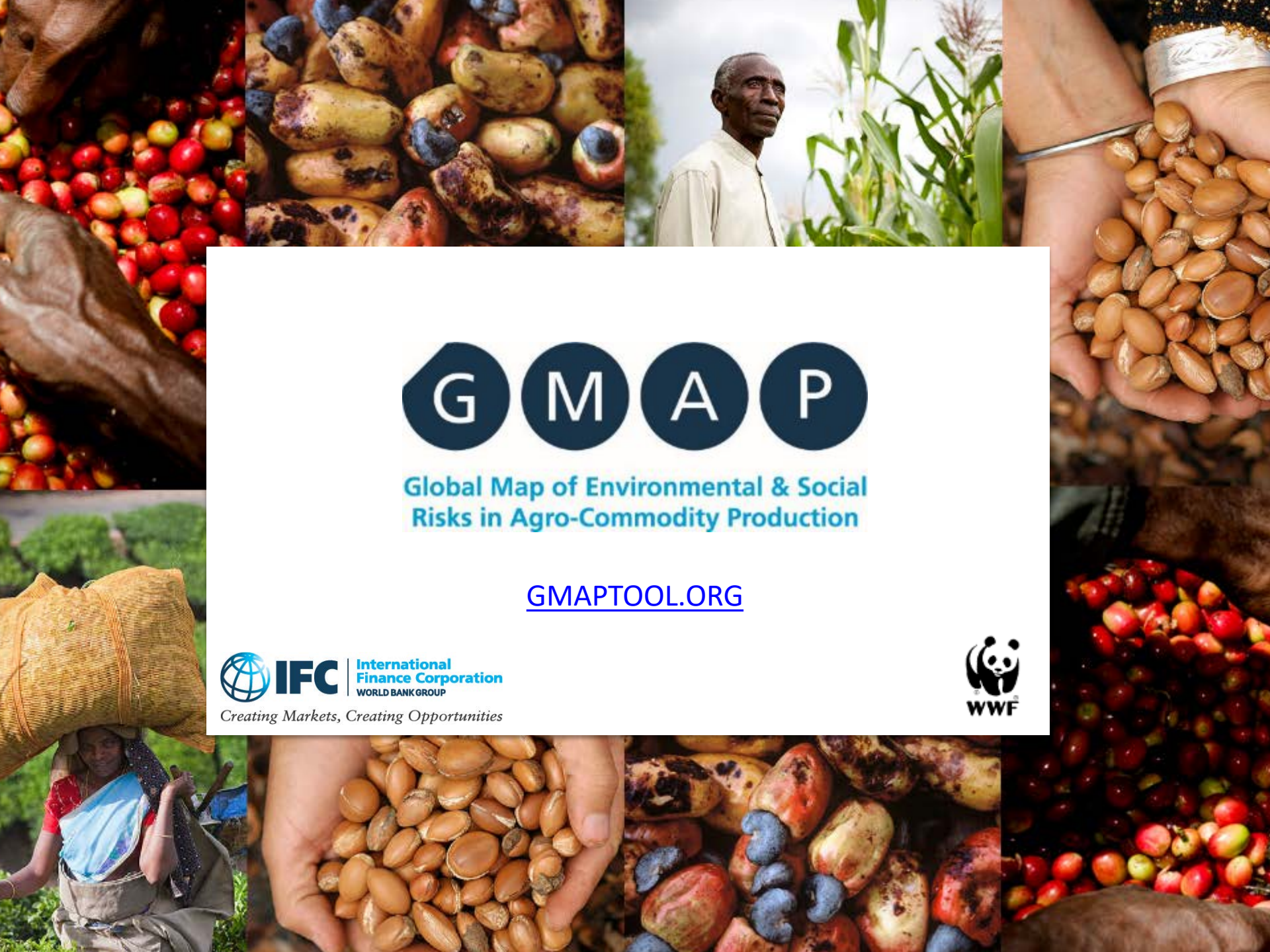
A higher score on the matrix implies a higher probability of occurrence and severity of impact. Thus, the higher the score, the higher the risk.





Q & A





Global Map of Environmental & Social  
Risks in Agro-Commodity Production

[GMAPTOOL.ORG](http://GMAPTOOL.ORG)



**IFC**

International  
Finance Corporation  
WORLD BANK GROUP

*Creating Markets, Creating Opportunities*







# GMAP THE TOOL

## HOME

**GMAP**  
Global Map of Environmental and Social  
Risks in Agro-Commodity Production

[GMAP Tool](#) [Map](#) [Methodology](#) [About](#) [Admin](#) [My Account](#) [Contact](#)

### Welcome to GMAP!

The Global Map of Environmental & Social Risk In Agro-commodity Production (GMAP) enables users to conduct rapid environmental and social due diligence associated with trade and short-term finance, and to make responsible and strategic sourcing, financing, and risk management decisions. Use the tool to access detailed risk analysis reports and risk management guidance.



# GMAP THE TOOL

USING THE TOOL - A VISUAL INTUITIVE INTERFACE

Beta Version



International  
Finance Corporation  
WORLD BANK GROUP

Map View

List View

Methodology

About

My Account

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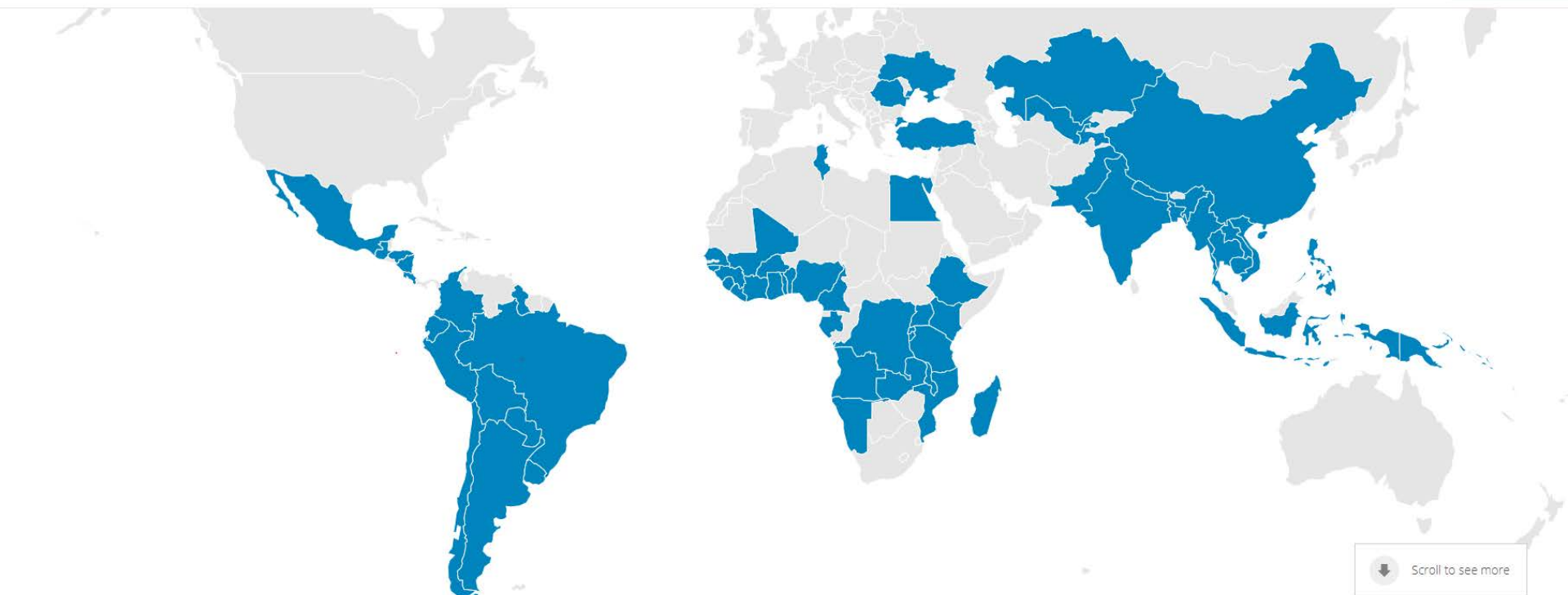
All Countries



All Commodities



[View GMAP Report](#)



Scroll to see more



# GMAP THE TOOL

## USING THE TOOL - A VISUAL INTUITIVE INTERFACE



GMAP leverages geographical data, secondary research, and WWF and IFC expertise to identify and analyze supply chain risks to support short-term finance and trade finance decision-making. Country-commodity analyses assess country (and in some cases sub-national) environmental and social risks in primary production and assign a risk score (see GMAP score, below). These aggregated and disaggregated risk scores can facilitate targeted and improved screening, assessment and management of environmental and social risks. To help mitigate risks flagged in GMAP, as of May 2019, GMAP includes relevant ITC Sustainability Map certification schemes.

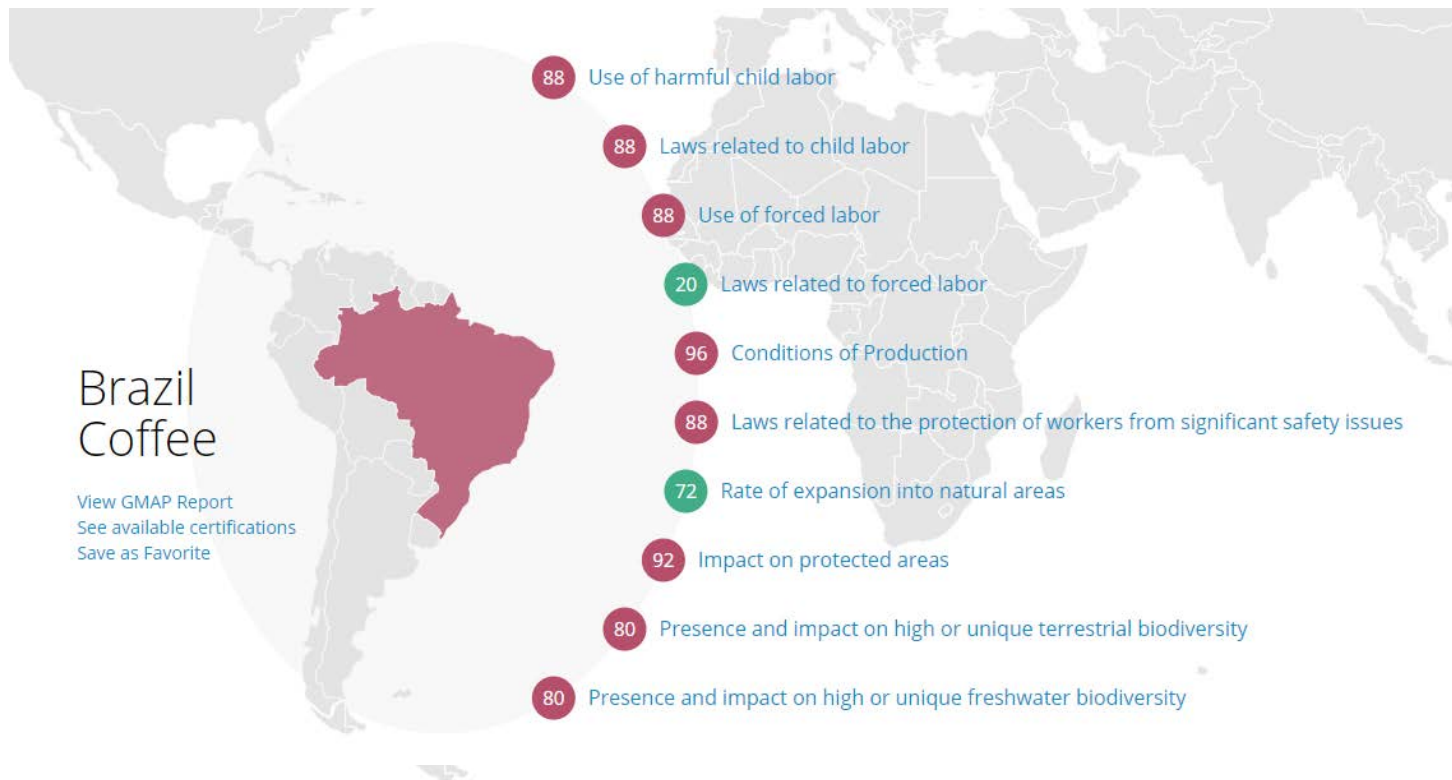
Scan the list below for the country-commodity combination of interest. Click on Report to view the full GMAP report per country-commodity combination. Click Compare in the ITC Sustainability Map column to view available certification schemes relevant to the country-commodity combination of interest.

GMAP SCORE	COUNTRY	COMMODITY	LAST UPDATED	GMAP REPORT	AVAILABLE CERTIFICATION SCHEMES
84	Angola	Rice	Jun 26, 2017	<a href="#">View GMAP Report</a>	<a href="#">Compare</a>
83	Angola	Sugar cane	Jun 26, 2017	<a href="#">View GMAP Report</a>	<a href="#">Compare</a>
81	Argentina	Beef	Jun 26, 2017	<a href="#">View GMAP Report</a>	<a href="#">Compare</a>



# GMAP THE TOOL

## COUNTRY-COMMODITY



GMAP is a web platform where you can use the tool to **select a country-commodity** combination and view its risk score, analysis report, and risk management guidance, including available certification schemes.




# GMAP THE TOOL

USING THE TOOL - A VISUAL INTUITIVE INTERFACE

Beta Version


GMAP



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Brazil




Coffee

[View GMAP Report](#)


Brazil

Coffee

[View GMAP Report](#)  
[See available certifications](#)  
[Save as Favorite](#)



All Commodities



Beef

Coffee


Cotton

Eucalyptus

Maize

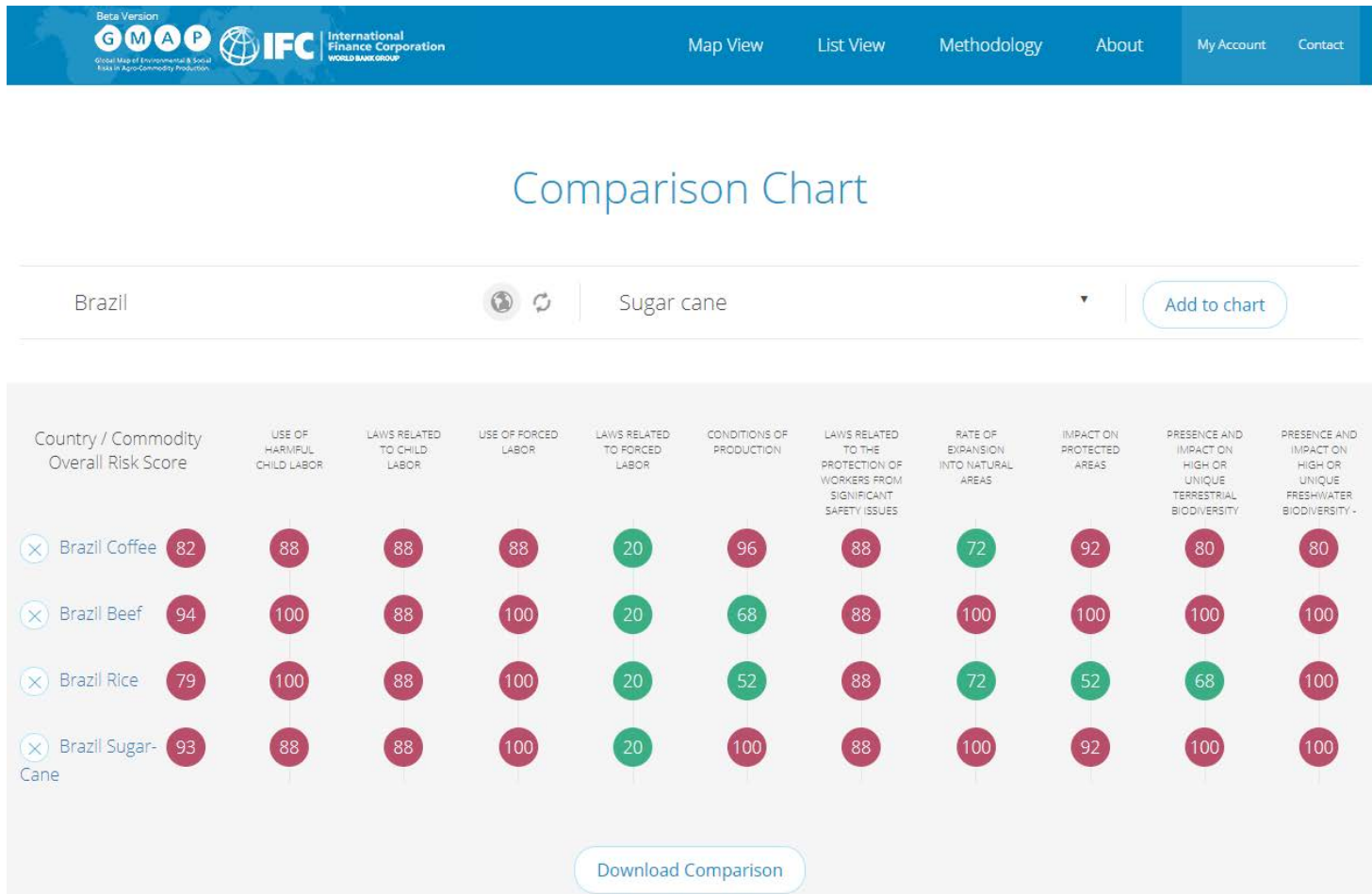
Oil palm

Rice

 Scroll to see more

# GMAP THE TOOL

## USING THE TOOL - COMPARATIVE CHART







# GMAP THE TOOL

## USING THE TOOL - REPORT

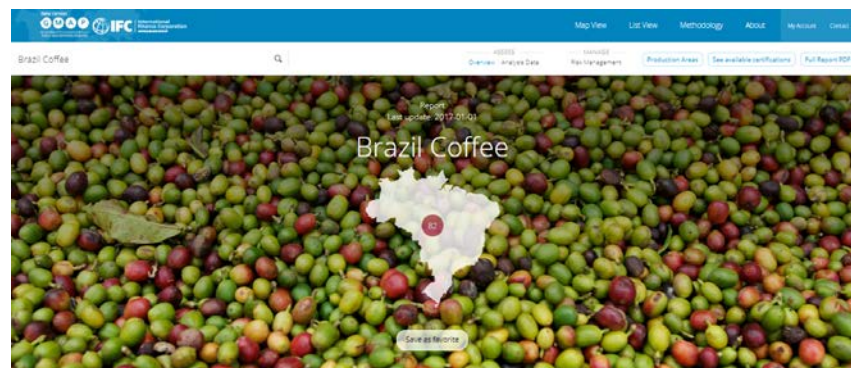
The screenshot displays the GMAP tool's user interface. At the top is a blue navigation bar containing the GMAP logo (labeled 'Beta Version'), the IFC logo (International Finance Corporation), and a search bar. To the right of the search bar are links for 'Map View', 'List View', 'Methodology', 'About', 'My Account', and 'Contact'. Below the navigation bar, the main content area features a large background image of coffee cherries. Overlaid on this image is a white map of Brazil. A red circle with the number '82' is positioned over the map. Text on the screen includes 'Brazil Coffee' in the top left, 'Report' and 'Last update: 2017-01-01' in the top center, and 'Brazil Coffee' in large white letters in the center. A 'Save as favorite' button is located at the bottom center. On the right side, there are two tabs: 'ASSESS' (with sub-links 'Overview' and 'Analysis Data') and 'MANAGE' (with sub-link 'Risk Management').

You can view the country-commodity **report** to understand how the risk score was attained, find out more detailed information on commodity production in that country, possible regional discrepancies, and certification status, as well as explore ways that production risk might be mitigated and managed.



# GMAP THE TOOL

## USING THE TOOL – A REPORT OVERVIEW



### Risk overview

Run Report PDF Production areas See available certifications



### Commodity Overview

#### Production volume (FAO)

Brazil has increased its coffee production from about 1.9 million metric tons in 2003 to approximately 3 million metric tons in 2013.

#### REFERENCES

- Food and Agriculture Organization of the United Nations. 2015. "FAOSTAT." <http://faostat3.fao.org/home/E>.

#### Average Yield

In Brazil the average yield for coffee was 1.42 mt/ha in 2013. From 2003-2013, the country's average yield was approximately 1.16 mt/ha, which is well above the world average of 0.78 mt/ha for the same period.

#### REFERENCES

- Food and Agriculture Organization of the United Nations. 2015. "FAOSTAT." <http://faostat3.fao.org/home/E>.

#### Region(s) of production

Approximately 75% of coffee in Brazil is produced in two states: Minas Gerais (~45%) and Espírito Santo (~31%). In Minas Gerais, coffee production is most intense in the West and Southwest areas of the state, while in Espírito Santo, it is concentrated in the Northeast. São Paulo (~9%), Paraná (~1%), and other states (~12%) account for the remainder of coffee production. Coffee is produced primarily in the Cerrado and Atlantic Forest biomes, under primarily sun-grown and shade-grown conditions, respectively.

#### REFERENCES

- USDA FAS. 2014. "Brazil: Coffee Semiannual. GAIN, 2014." November 14. [http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Coffee%20Semi-annual\\_Sao%20Paulo%20ATO\\_Brazil\\_11-14-2014.pdf](http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Coffee%20Semi-annual_Sao%20Paulo%20ATO_Brazil_11-14-2014.pdf)
- Watson, Kelly, and Molra Laura Achinelli. "Context and contingency: the coffee crisis for conventional small-scale coffee farmers in Brazil." *The*





G M A P



# GMAP THE TOOL

## USING THE TOOL – A REPORT OVERVIEW

Beta Version



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Map ViewList ViewMethodologyAboutMy AccountContact

BRA Coffee

ASSESS  
OverviewAnalysis Data

MANAGE  
Risk Management

Production AreasSee available certificationsFull Report PDF



### Risk Management

Together, we are helping transform markets

 Agribusiness

 Financial Institutions

 IFC Internal Only

< Agribusiness

STRATEGY  
1

ACTION  
2

M&E  
3

>

1 STRATEGY | Prioritize Supply Chain



The **GMAP Tool** helps inform strategy development by identifying which supply chains have high associated environmental and social risks. This information should be used to prioritize your company's supply chains for further risk management.

In many cases, further prioritization activities should be based on supply chains in which the company or trader purchases large volumes, where multiple commodities from a single supplier or aggregator are purchased, and nonfungible commodities.

#### PRIORITIZATION ACTIVITIES

- Identify high risk supply chains using GMAP
- Undertake a Rapid Diagnostic
- Undertake a Field Level Appraisal
- Commission Life Cycle Assessments

#### RESOURCES

- WWF 2050 Criteria
- IFC Good Practice Handbook: Assessing and Managing Environmental and Social Risks in an Agro-Commodity Supply Chain



# GMAP THE TOOL

## AVAILABLE CERTIFICATION SCHEMES

IFC

International Finance Corporation

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### Available Certification Schemes

Below are certification schemes that may help mitigate supply chain risks flagged in GMAP. The information below is drawn from International Trade Centre's Sustainability Map. The scores of the 10 GMAP indicators per country-commodity combination are listed at the top of the page, followed by available certification schemes for that combination. On the left, view a description of the scheme. On the right, view the extent to which the scheme may help mitigate or cover the risks flagged in GMAP. To compare across up to three certification schemes, click the Select box under the relevant certification scheme names and click compare at the bottom of the screen.

The default view is by compatibility, where certification schemes that address the most identified risks are ranked higher. GMAP users can also view this information by indicator or search for certification schemes sorted alphabetically by name. A score of 80 or above is considered high risk. A higher risk score implies a higher probability of occurrence and severity of impact.

Brazil

Coffee

Search

By Compatibility

By Indicator

By Name

GMAP Results

hide

PS2

88

Use of harmful child labor

88

Use of forced labor

96

Conditions of Production

88

Labour related to child labor

20

Labour related to forced labor

88

Labour related to the protection of workers from significant safety issues

PS6

72

Rate of expansion into natural areas

80

Presence and impact on high or unique terrestrial biodiversity

92

Impact on protected areas

80

Presence and impact on high or unique freshwater biodiversity

Sort by: Compatibility | Alphabetical order

ISCC

ISCC PLUS

The ISCC PLUS system is built upon a set of obligatory base requirements. These are amongst others the requirements on sustainability of the production area (ISCC PLUS 200) and the requirements on the chain of custody (traceability) (ISCC PLUS 205), mass balance (ISCC PLUS 204-01), physical separation...

[VIEW MORE]

GMAP Compatibility

PS2

Addressed

PS6

Addressed

Use of harmful child labor

✓

Rate of expansion into natural areas

✓

Labour related to child labor

✓

Impact on protected areas

✓

Use of forced labor

✓

Presence and impact on high or unique terrestrial biodiversity

✓

Labour related to forced labor

✓

Presence and impact on high or unique freshwater biodiversity

✓

Conditions of Production

✓

✓

Labour related to the protection of workers from significant safety issues

✓

✓

Rainforest Alliance – RA 2017

GMAP Compatibility

PS2

Addressed

PS6

Addressed

CHOOSE UP TO THREE CERTIFICATION SCHEMES TO COMPARE WITH RISKS FLAGGED IN GMAP

hide

UTZ Certified

ISCC PLUS

AC, CAF

Compare



# GMAP THE TOOL

## COMPARE AVAILABLE CERTIFICATION SCHEMES



### Compare Available Certification Schemes

Below is a comparison across certification schemes that may potentially help mitigate against supply chain risks flagged in GMAP. To the left are the GMAP indicators and relevant GMAP scores. To the right is the comparison. A blue check mark indicates that the certification scheme has requirements related to the risk flagged in GMAP. A red x indicates that the certification scheme does not likely address the risk flagged in GMAP. Click on the certification scheme title to go to the ITC Sustainability Map website to learn more about the scheme.

Brazil

Coffee

[Make a new Search](#)

[View Brazil Report](#)

GMAP Indicator	ISCC PLUS	4C - CAS	UTZ Certified Condiciones para Individual y multisitio - Café
<strong>Child Labor</strong>			
88 Use of harmful child labor	✓	✓	✓
88 Laws related to child labor	✓	✓	✓
<strong>Forced Labor</strong>			
88 Use of forced labor	✓	✓	✓
20 Laws related to forced labor	✓	✓	✓
<strong>Significant Safety Issues</strong>			
96 Conditions of production	✓	✓	✓
88 Laws related to the protection of workers from significant safety issues	✓	✓	✓
<strong>Protection and Conservation of Biodiversity</strong>			
72 Rate of expansion into natural areas	✓	✗	✗
92 Impact on protected areas	✓	✓	✓
80 Presence and impact on high or unique terrestrial biodiversity	✓	✗	✓
80 Presence and impact on high or unique freshwater	✓	✗	✓



# UPCOMING ENHANCEMENTS

Adding combinations focused on low-income IDA countries and  
Fragile and Conflict Affected States

Updating country-commodity combinations

Improving site usability

Adding more geographic information services (GIS) features (TBC)



# IN CONCLUSION

1

## IT'S UNIQUE

Using a unique methodology aligned to IFC's Performance Standards on Environmental and Social Sustainability, the GMAP facilitates rapid financing and sourcing decisions for International and National Financial Institutions and Agribusinesses.

2

## IT'S PROVEN

We have over 350 users of GMAP from various organizations. Since 2013, we've run two pilots – as we make improvements, we seek feedback. In the 2013 pilot, eight participating IFC client banks used GMAP as part of their E&S due diligence process for agro-commodity trade finance. In addition, IFC worked with two large agro-commodity trader clients, which incorporated the methodology into their respective sourcing policies and risk management processes. During this pilot period, **\$675 million of GMAP-screened agribusiness trade finance investment was enabled**. In the pilot in 2017, users responded positively – 87% of pilot respondents rated GMAP excellent or above average in comparison to similar tools and analyses.

3

## IT'S PROPRIETARY

Only proprietary platform that allows for a high-level screen for trade and short-term financing to align with IFC Performance Standards.

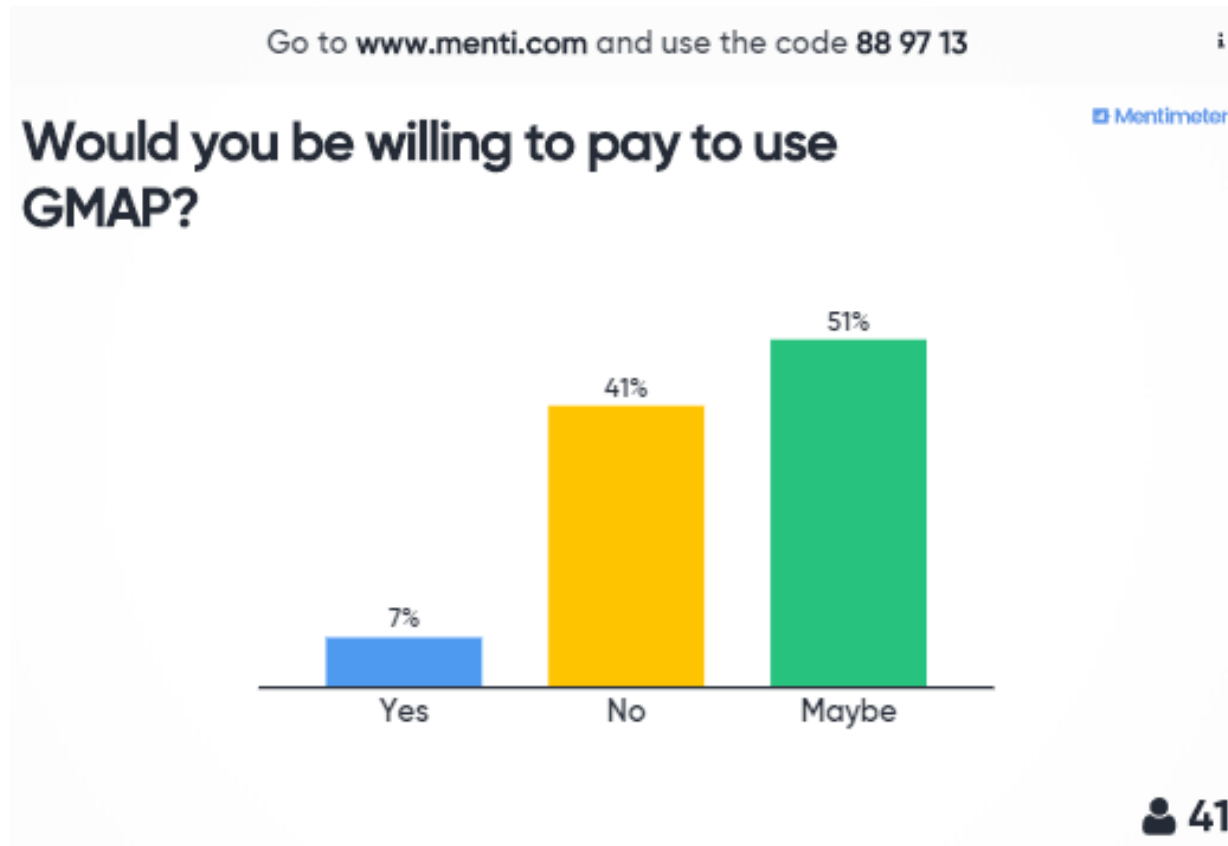
4

## IT'S BACKED

It's backed by the soft commodity production expertise and global reach of the IFC and WWF as well as ITC.



# QUICK POLL



The background of the slide is a collage of agricultural images. At the top left, there are coffee cherries and a close-up of a cow's head. Next to it is a pile of cashew nuts. In the top center, a man in a light-colored shirt looks off to the side. To the right, a hand holds a large quantity of cashew nuts, with a silver bracelet visible. The bottom of the slide features more coffee cherries, a person carrying a large sack on their back, and another close-up of cashew nuts.

<https://gmaptool.org>

Join us and invest in  
data-driven sustainability

Contact us at [info@gmaptool.org](mailto:info@gmaptool.org) for questions

<https://gmaptool.org/register>





Q & A