



[\*\*CLICK TO KNOW MORE\*\*](#)

# Using geospatial data to build ESG resilience

**Geospatial World Forum**

15 May 2024



# Contents

# Speaker

## Integrating geospatial data to strengthen ESG resilience

1. Introducing Verisk Maplecroft
2. Overview of our data
3. How we help you navigate interconnected risks
4. Case study – How are environmental, social risks, governance and political risks intersecting to heighten agricultural supply chain challenges in Europe?
5. Closing remarks | Q&A



**Jimena Blanco**

Chief Analyst

[Jimena.blanco@maplecroft.com](mailto:Jimena.blanco@maplecroft.com)

# About us

## Navigating global risk and opportunity

We are a global risk intelligence company, providing unparalleled insight into sustainability, resilience and ESG issues, underpinned by best-in-class geospatial data and analytics.



### Global Risk Data

190+  
Risk issues



### Deep domain expertise

60+ Experts    20+ Years

- Climate & environment
- ESG strategy
- Geopolitics & country risk
- Human rights & social risk
- Resilience
- Sustainable supply chains

### Workflow examples



GRiD, tools, APIs

- Risk assessment
- Due diligence
- Scenario analysis
- Strategy development
- Reporting & disclosure

### Why work with us?

**Identify** risks across operations, supply chains, investments, and assets

**Align** teams around a consistent, independent view of risks and opportunities

**Inform** strategies with a holistic, interconnected global risk perspective

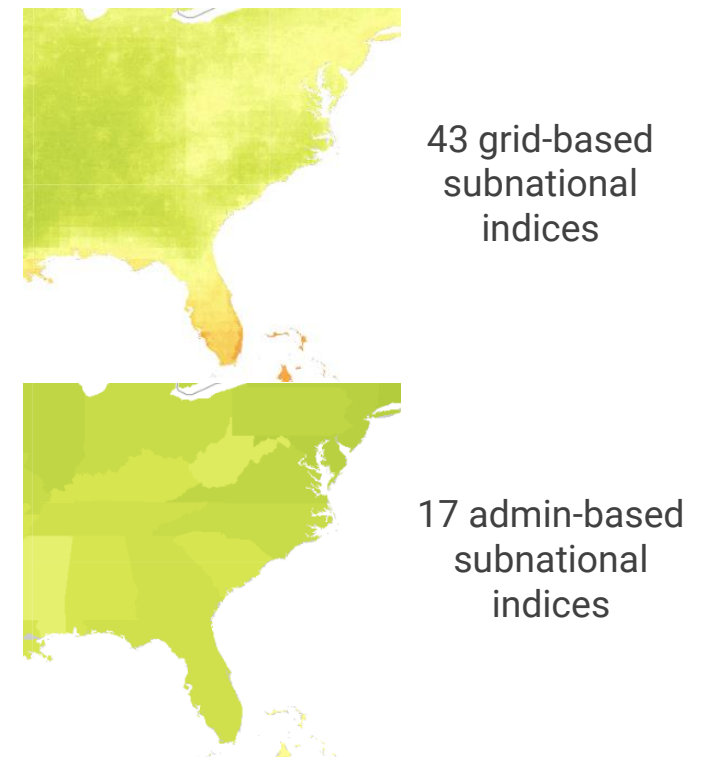
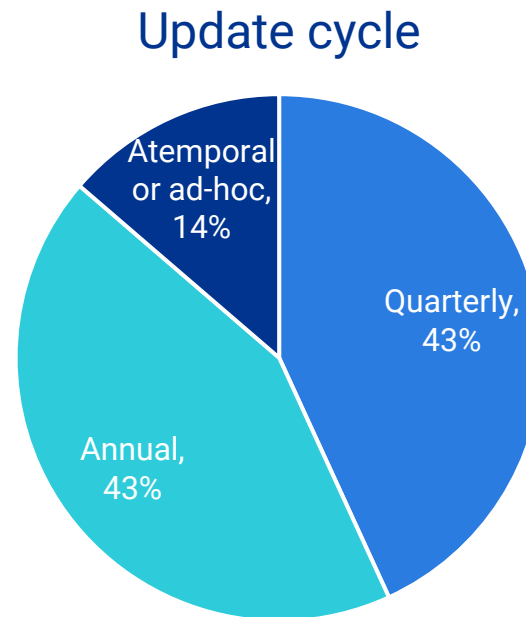
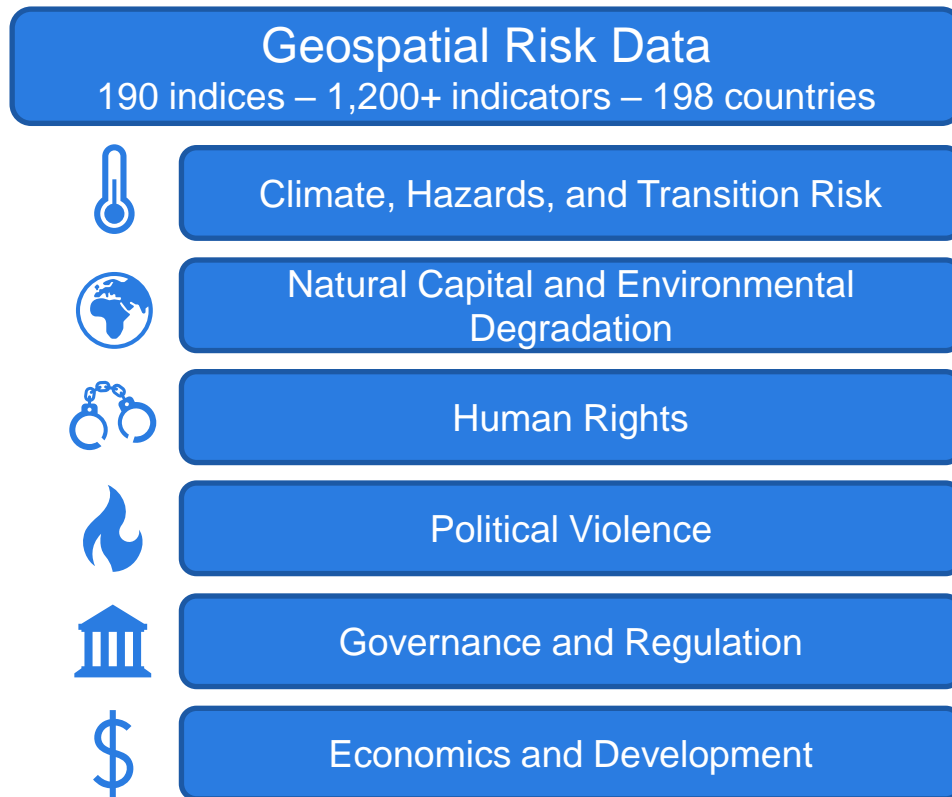
**Enhance** business sustainability, resilience, and compliance with regulations

# Our comprehensive data enhances complex business strategies

## Screen, compare and prioritise risks anywhere

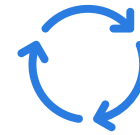
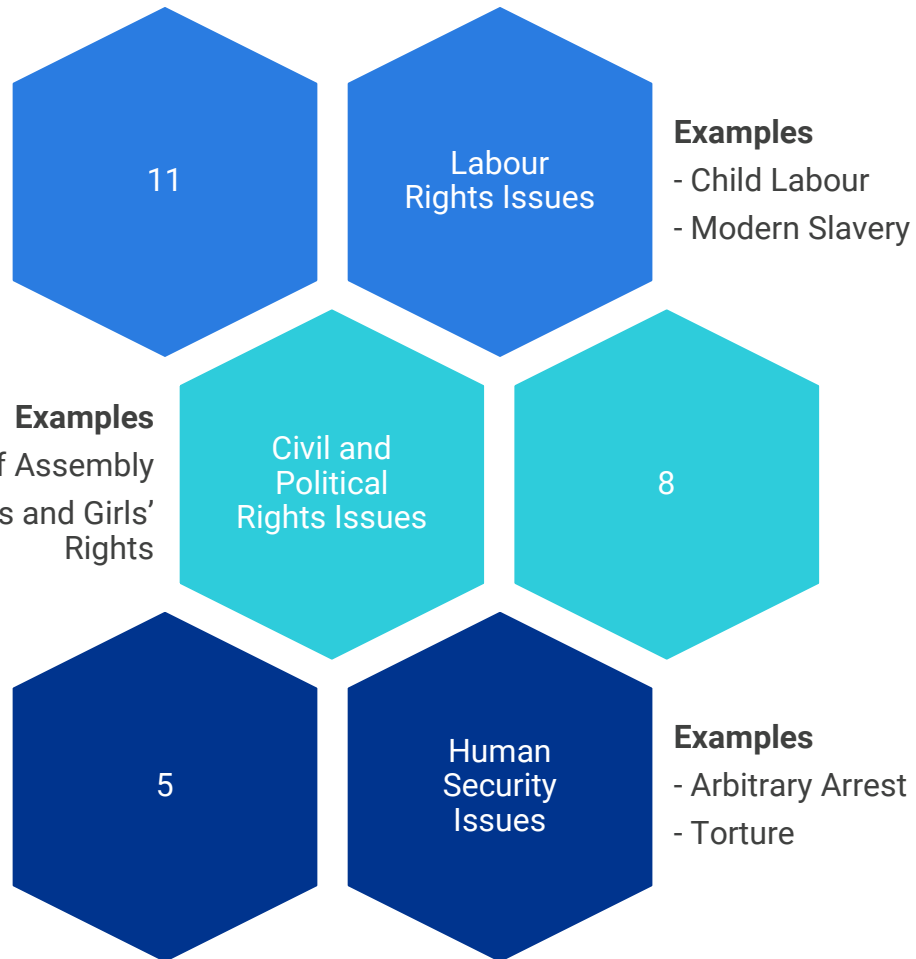
### Purpose

- To help clients understand how their supply chains, operations or investments are exposed to risks across four thematic areas
- Simplify complex issues by quantifying them and standardising the output into an easily interpretable number
- Transparently explaining the drivers of risk in each location and the methodology behind the data

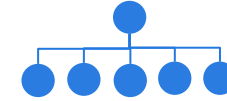


# Human Rights data covers entire range of labour, civil & political rights

## Data-set is fully aligned with UNGPBHR's framework: 'Protect, Respect, and Remedy'



Quarterly or annual updates and historical scores

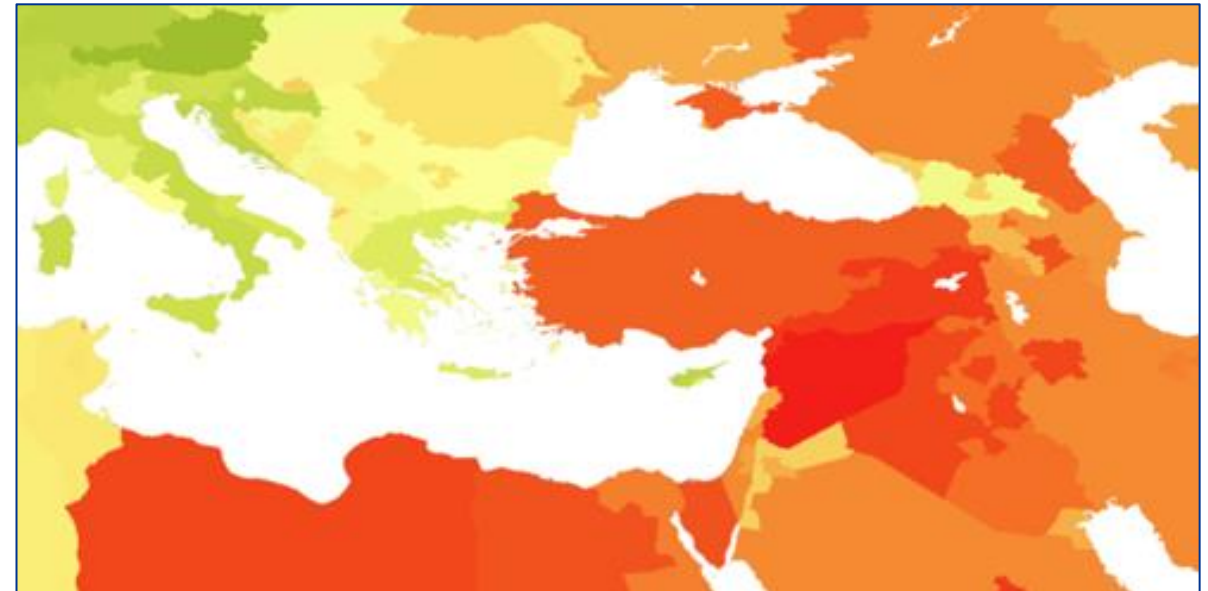


Built from over 200+ unique indicators



13 indices with subnational resolution

Security Forces and Human Rights Index



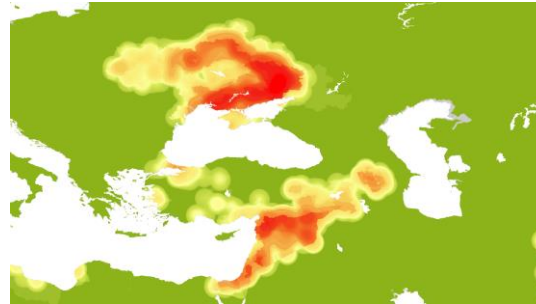
# Political Risk data captures full range of structural & dynamic risks

## Track the trajectory of a fast-evolving risk landscape and identify commercial opportunities

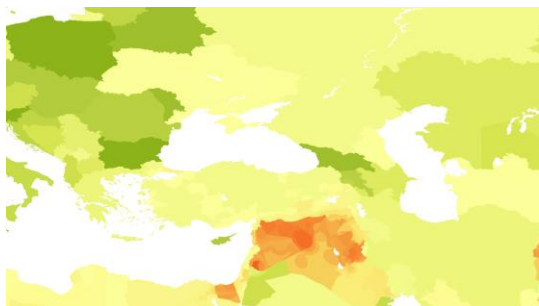
Civil Unrest Index



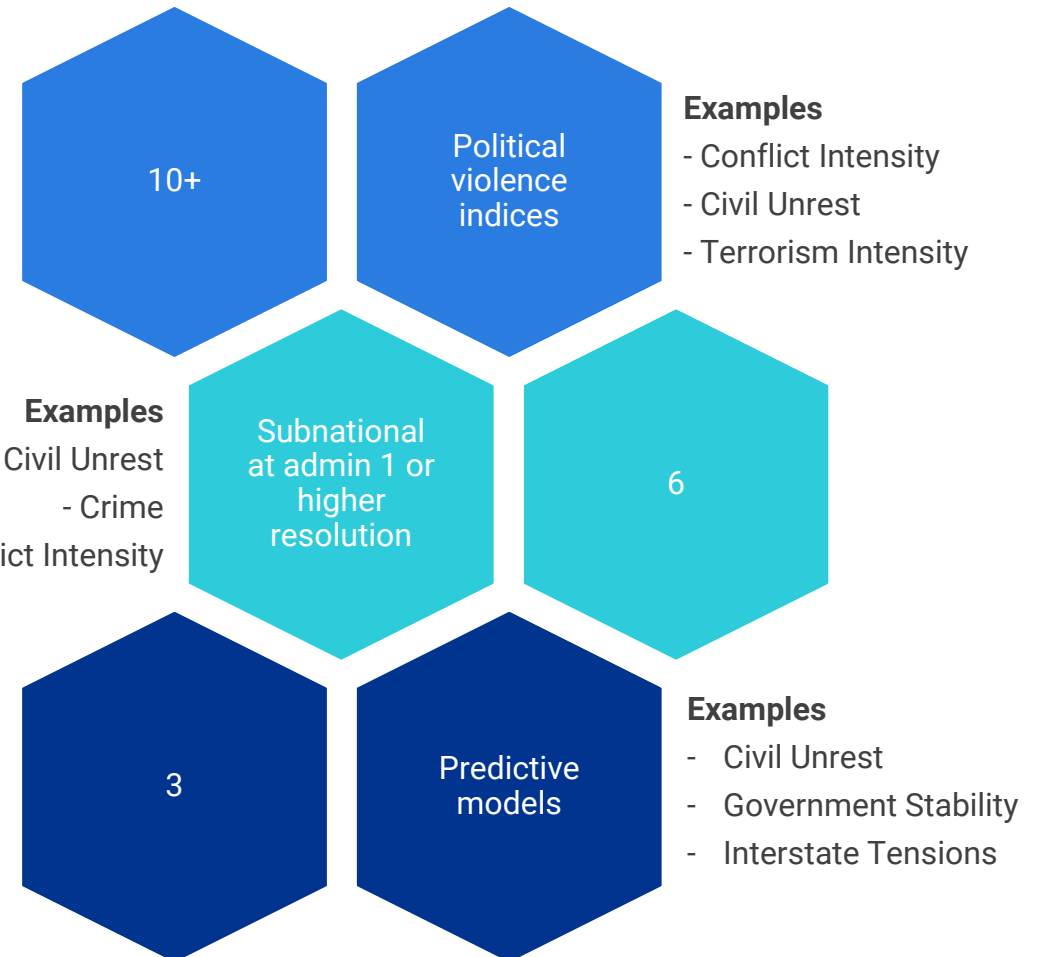
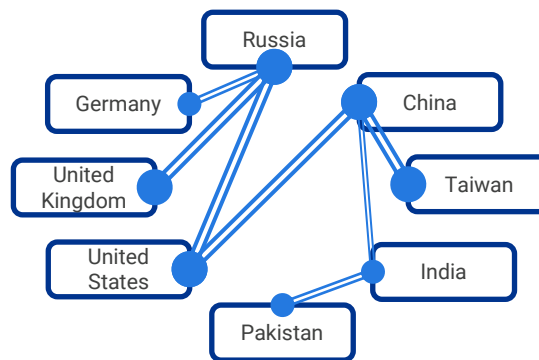
Conflict Intensity Index



Terrorism Risk Index

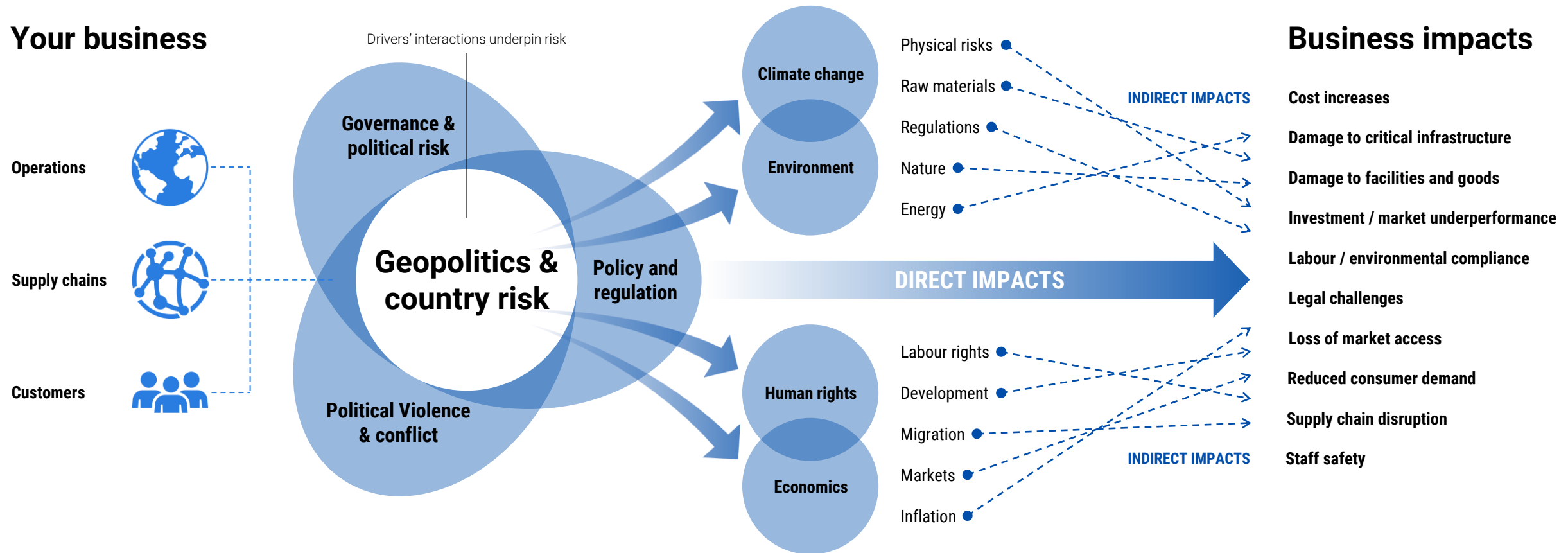


Interstate Tensions Index



# Geopolitical and country risks drive direct and indirect impacts

## Resilience requires accounting for multiple interconnected risk drivers



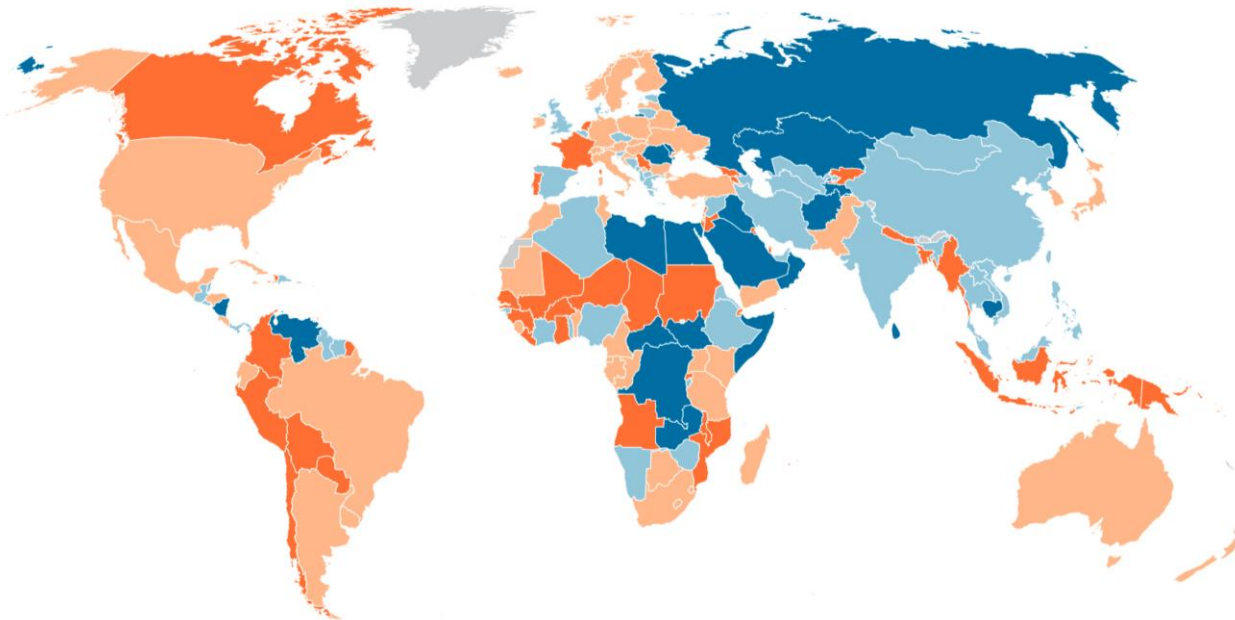


# Significant increase in political risk across liberal democracies

## Complex set of systemic risks drives popular discontent in crucial election year

Political Risk index, change in risk since 2019-Q2

● Significant increase 
 ● Slight increase 
 ● Slight decrease 
 ● Significant decrease

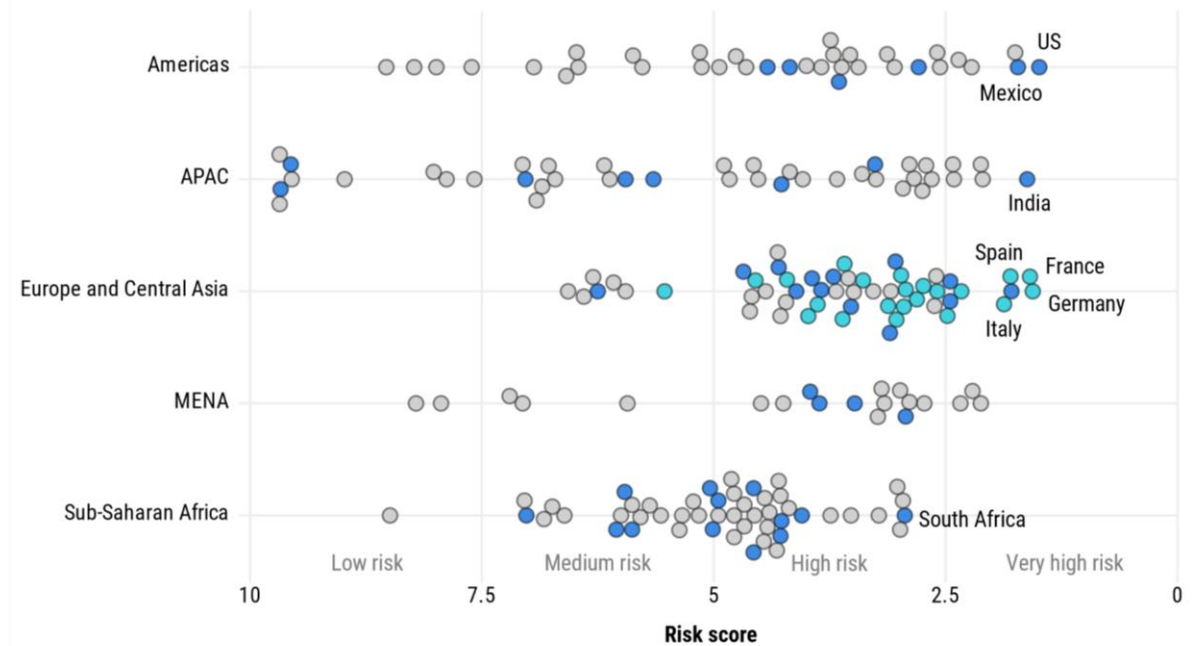


Our Political Risk Index is a composite dataset, made up of our Civil Unrest (historic), Conflict Intensity and Government Stability indices.

Source: Verisk Maplecroft, ©Verisk Maplecroft

Civil Unrest index (forecast), 2024-Q2 country risk scores

● Upcoming election 
 ● EU election only

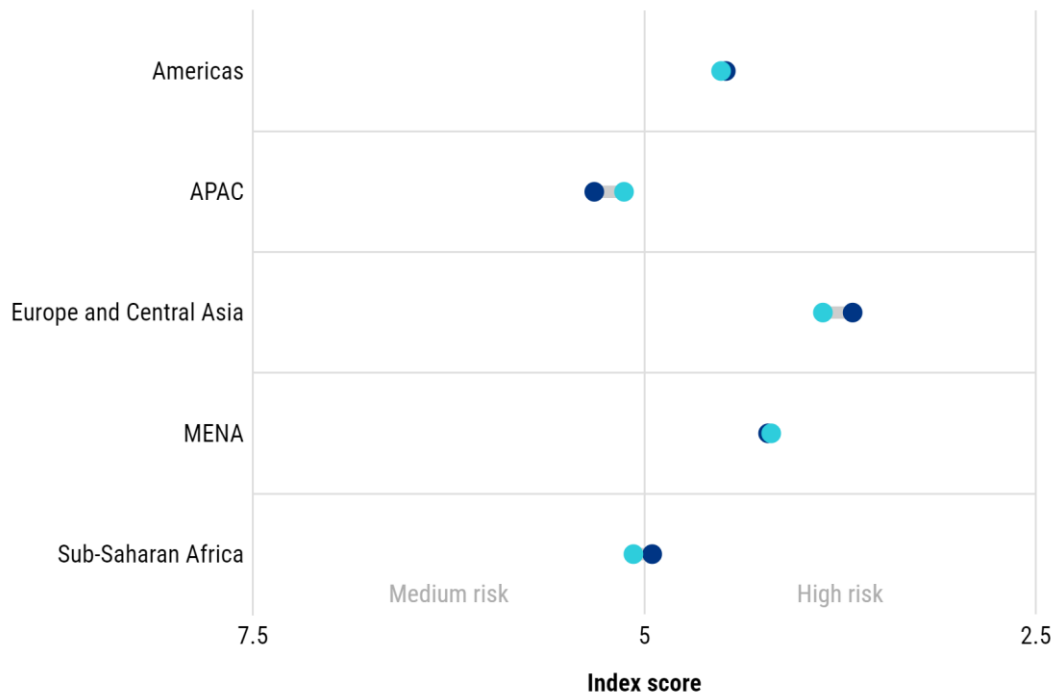


# Europe has seen the highest increase in civil unrest since 2019-Q2

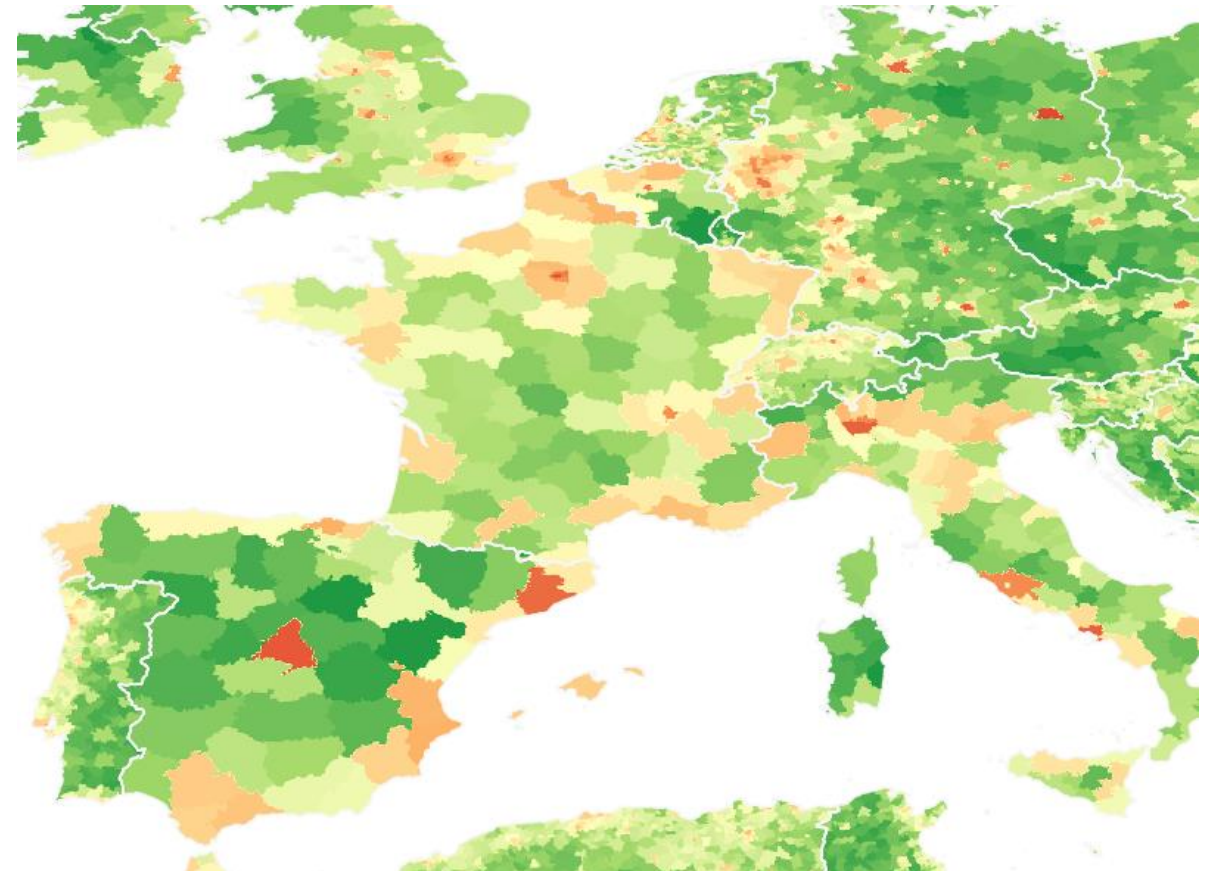
## Cost of living crisis is the leading driver, but environmental policy also plays a major role

Civil Unrest Index (forecast), change in risk since 2019-Q2

● 2019-Q2 ● 2024-Q2



Civil Unrest Index (forecast), 2024-Q2 sub-national exposure in Europe



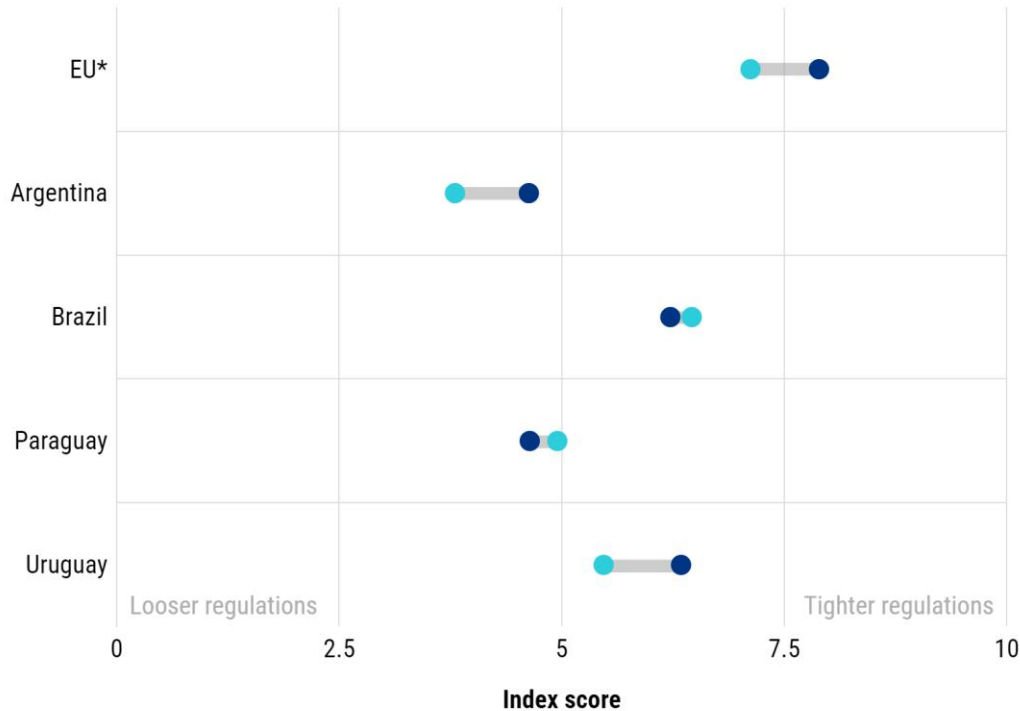
Risk scores are allocated on a scale running from 10 to 0, with 0 indicating highest risk • Source: Verisk Maplecroft ©Verisk Maplecroft

# Europe has become the global focal point for agricultural unrest

## Driven by tightening environmental regulations, cheap food imports & shifting supply chain dynamics

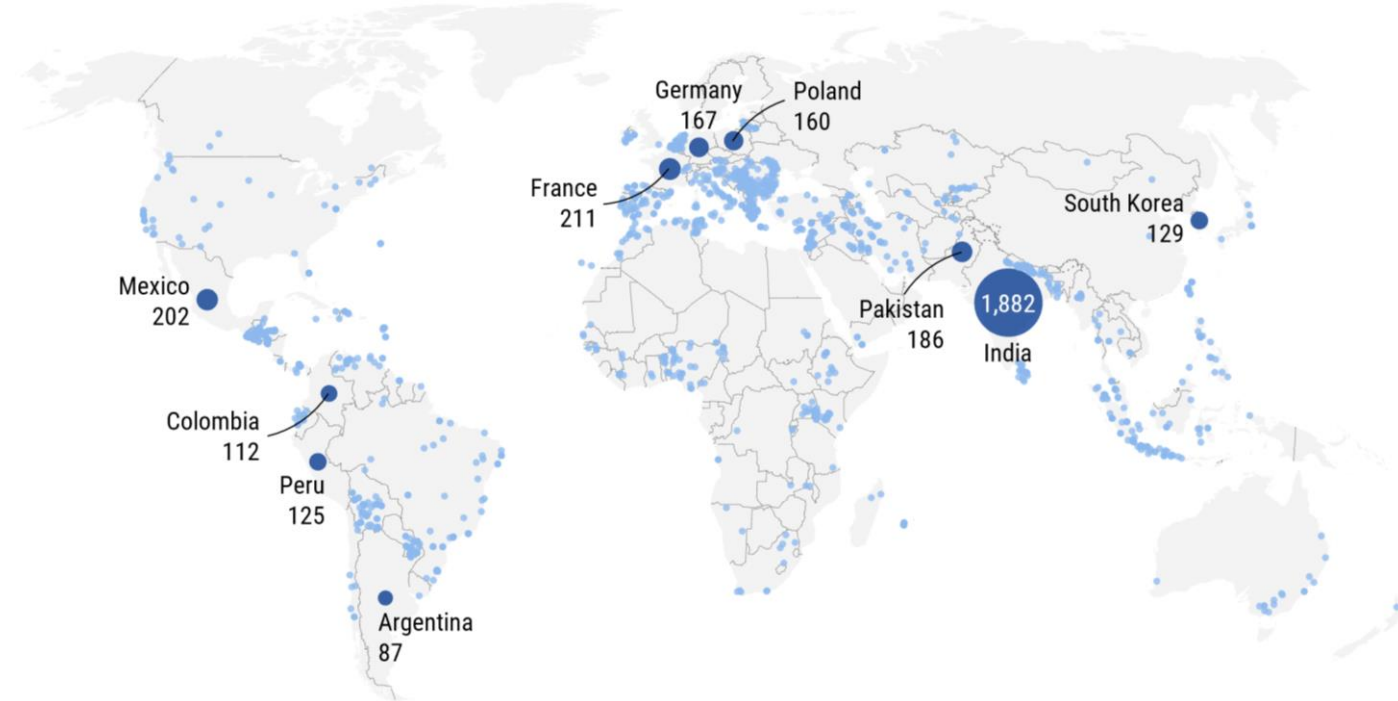
Environmental Regulatory Framework Index, score change 2017-2024

● 2017-Q2 ● 2024-Q2



Global farmers' protests during 2023

● Grouped country events ● Individual events



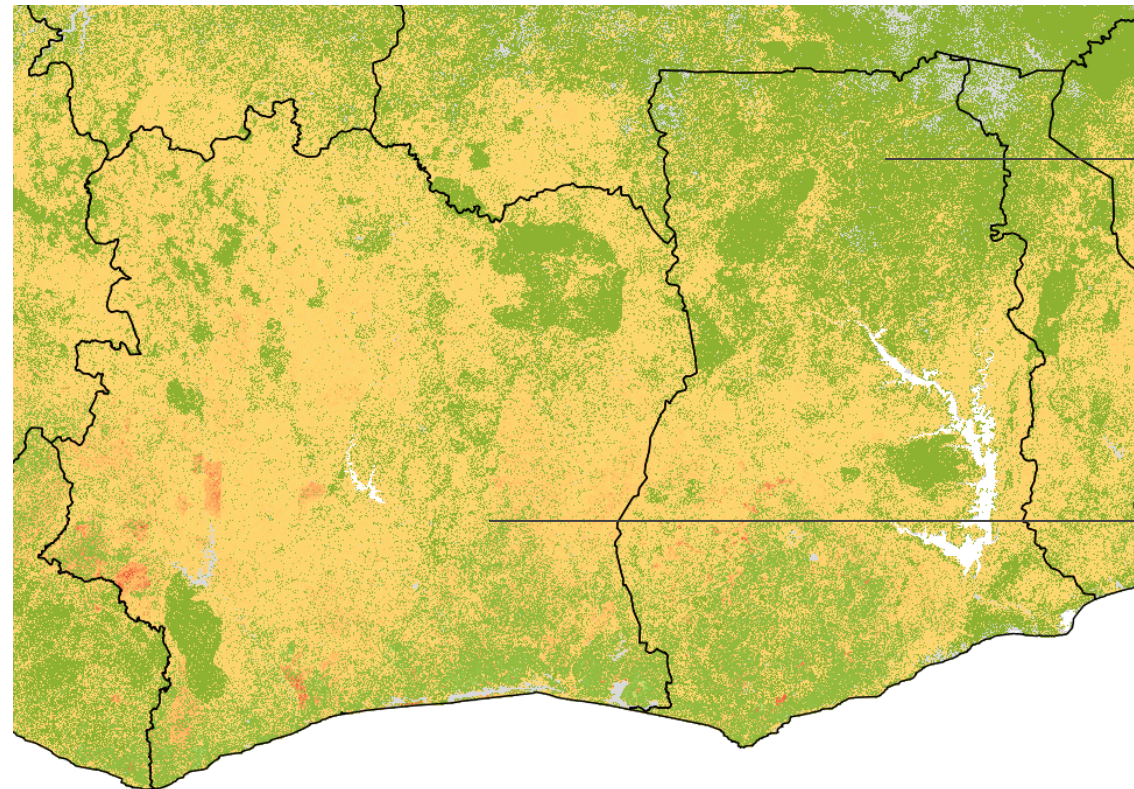
\*EU member state average. 10 = tightest regulations. • Source: Verisk Maplecroft ©Verisk Maplecroft

# EU's new Deforestation Regulation poses new challenges

## Cattle, cocoa, coffee, palm oil, rubber, soya & wood supply chains under the spotlight

Deforestation index, 2024-Q2 subnational exposure in major cocoa-exporting jurisdictions

- The compliance bar is now high for companies
- Data and corporate strategy changes required
- EU Deforestation Regulations integrate HR/E concerns across multiple commodities and products
- Still need a legislative level playing field



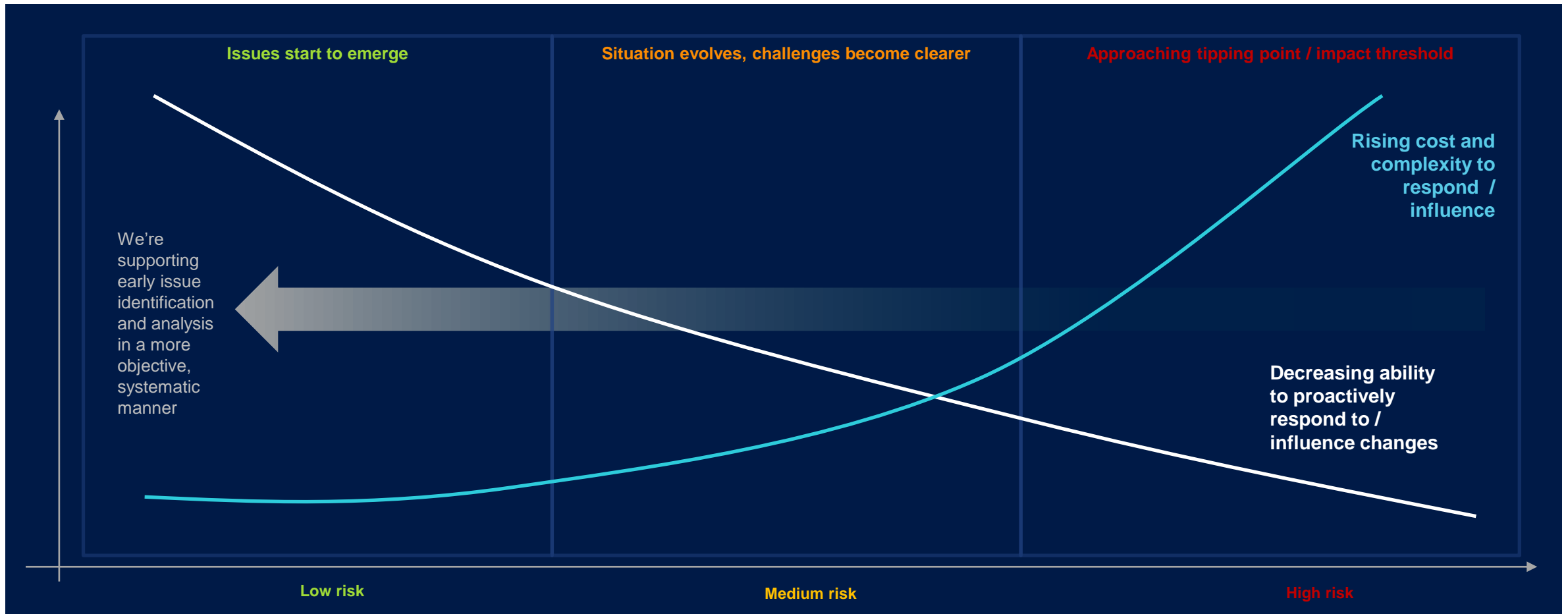
### Ghana

Human rights index	Risk category
Forced Labour	High
Child Labour	High

### Cote d'Ivoire

Human rights index	Risk category
Forced Labour	High
Child Labour	High

# Our data helps organisations identify, understand, monitor & respond to emerging risks and opportunities at the earliest possible point



## Question & Answer

Thank you for attending!

Do not hesitate to get in touch: [Jimena.blanco@maplecroft.com](mailto:Jimena.blanco@maplecroft.com)

# End Slide



Verisk Maplecroft is a Verisk business

These materials, including any updates to them, are published by and remain subject to the copyright of Maplecroft.Net Limited ("Verisk Maplecroft"), and are made available to clients of Verisk Maplecroft under terms agreed between Verisk Maplecroft and those clients. The use of these materials is governed by the terms and conditions of the agreement under which they were provided. The content and conclusions contained are confidential and may not be disclosed to any other person without Verisk Maplecroft's prior written permission. Verisk Maplecroft makes no warranty or representation about the accuracy or completeness of the information and data contained in these materials, which are provided 'as is'. The opinions expressed in these materials are those of Verisk Maplecroft, and nothing contained in them constitutes an offer to buy or to sell securities, or investment advice. Verisk Maplecroft's products do not provide a comprehensive analysis of the financial position or prospects of any company or entity and nothing in any such product should be taken as comment regarding the value of the securities of any entity. Verisk Maplecroft does not warrant or represent that these materials are appropriate or sufficient for your purposes. If, notwithstanding the foregoing, you or any other person relies upon these materials in any way, Verisk Maplecroft does not accept, and hereby disclaims to the extent permitted by law, all liability for any loss and damage suffered arising in connection with such reliance. Please also note that the laws of certain jurisdictions may prohibit or regulate the dissemination of certain types of information contained in these materials, such as maps, and accordingly it is your responsibility to ensure that any dissemination of such information across national boundaries within your organisation is permitted under the laws of the relevant jurisdiction. Copyright © 2024, Maplecroft.Net Limited. All rights reserved.

©Verisk Analytics, Inc. All rights reserved.