



# IFPRI's Tracker to monitor export restrictions in the food and fertilizer domain

Link to the tracker

<https://public.tableau.com/app/profile/ifpri.food.security.portal/viz/shared/2CPYTB4G8>

Tracker documentation:

<https://www.ifpri.org/publication/documentation-food-and-fertilizers-export-restriction-tracker-tracking-export-policy>

For more information on our work on the Ukraine crisis:

<https://www.ifpri.org/landing/war-ukraine-blog-landing-page>

Abdullah Mamun

International Food Policy Research Institute

IISD-IFPRI webinar | 09/29/2023



## Based on existing experience

- Food Export restrictions tracker developed in the early month of the COVID-19 crisis. See [Laborde and Mamun \(2022\)](#); [Laborde, Mamun and Parent \(2020\)](#)
- Large community of users
  - Other IOs and their various trackers: FAO, WFP, WTO
  - Academics, including the non-Ag Econ community (e.g. citations in Lancet)
  - News outlets, including Bloomberg
  - Used in many policy forum:
    - G20
    - WTO CoA
    - APEC and other regional summits
- This has led to strong requests by partners (e.g. WTO, USDA) and donors (USAID, FCDO) to reactivate this effort → Reactivation & improvements (e.g. Fertilizers)



# Summary of the data process

Every day  
API 22 languages + Human

News & Policy Monitoring



Updated on a daily basis if new information recoded

For Indicators

USDA:  
Stock and production data



IFPRI:  
Trade in Macro-Nutrient database  
+ Trade in Fertilizer nutrient database

# Overview



About the Tracker Download & Notification	<b>Food Export Restrictions</b>	Time Profile and period of implementation	List of Export Restrictions on Food Products	List of Export Restrictions on Fertilizer Products	WTO notification on export restrictions	Impacts on Food Importers	Impacts on fertilizer importers	Exporter profile on Food products	Comparing 2022, 2020 and 2007 & 2008	2007-2008
--	---------------------------------	---	--	--	---	---------------------------	---------------------------------	-----------------------------------	--------------------------------------	-----------

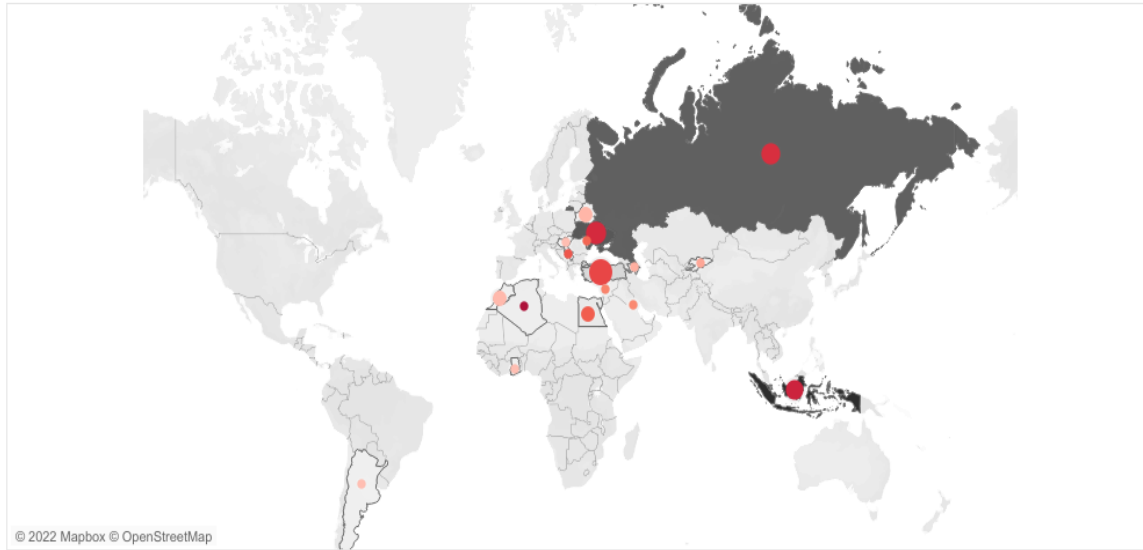
Navigation  
Tabs: 10+1

## Food Export Restrictions during the Ukraine-Russia crisis:

(updated 4/12/2022 9:02:28 PM, check the [About the tracker](#) section)

Read more at: <https://www.ifpri.org/blog/how-will-russias-invasion-ukraine-affect-global-food-security>

Map on [ALL](#) policies during the year



Select measures starting during the period:

01/01/2022 to 12/31/2022

and Null values

Share of exports restricted (Kcal) in total country exports



Share of country in global markets for restricted products (Kcal)



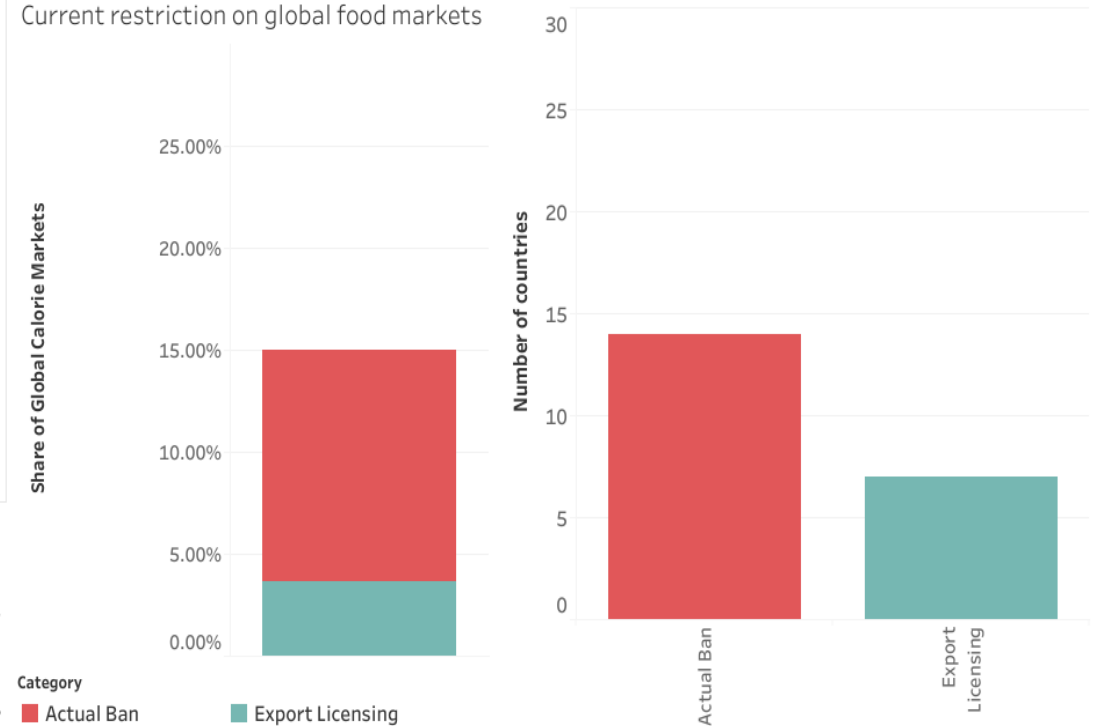
Weekly changes in the number of active measures:

+2

## Policy Status

Active

## Current restriction on global food markets





# The need to build a specific dataset: export restrictions are poorly notified

	Number/Value	Percent
Total number of countries who imposed restriction	33	
Number of non-member countries in WTO	7	
Total number of measures	140	
Number of measures notified to WTO	15	0.7%
Number of measures not notified to WTO	44	99.3%
Number of measures coming from non-member countries	7	
Number of measures notified after start date of restriction	12	80%
Number of measures notified in advance or on time	3	20%
Average number of days passed between start date of restriction and notification	70	
Max of days passed between start date of restriction and notification	245	
Min of the days passed between start date of restriction and notification	3	

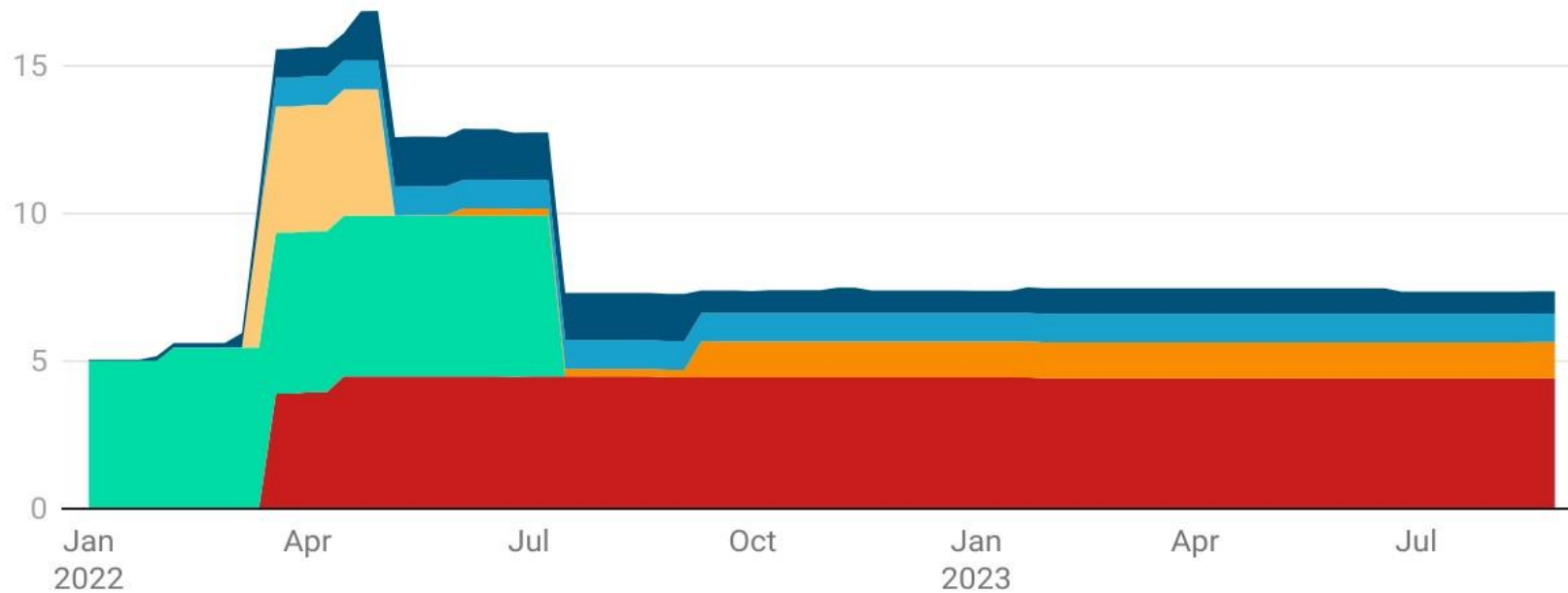


# Overview (2)

## Share of food and feed trade affected by export restrictions, by exporter imposing restrictions

Percent of trade

Russia Indonesia India Ukraine Argentina Other



Percent of trade in food and feed expressed in Kcal

Source: IFPRI Food Security Portal

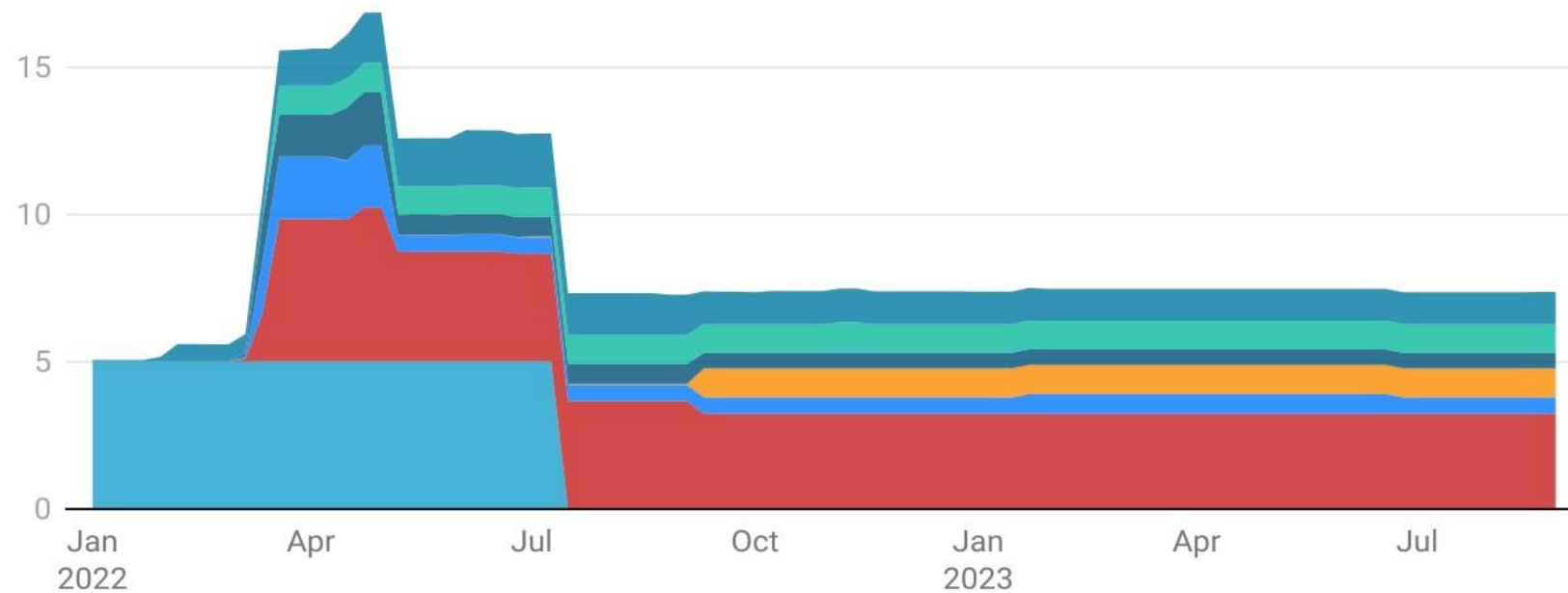


# Overview (3)

## Share of food and feed trade affected by export restrictions, by product

Percent of trade

Legend: Palm oi (light blue), Wheat (red), Maize (blue), Rice (orange), Sunflower oil (dark blue), Soybean oil (green), Other (teal)



Percent of trade in food and feed expressed in Kcal

Source: IFPRI Food Security Portal

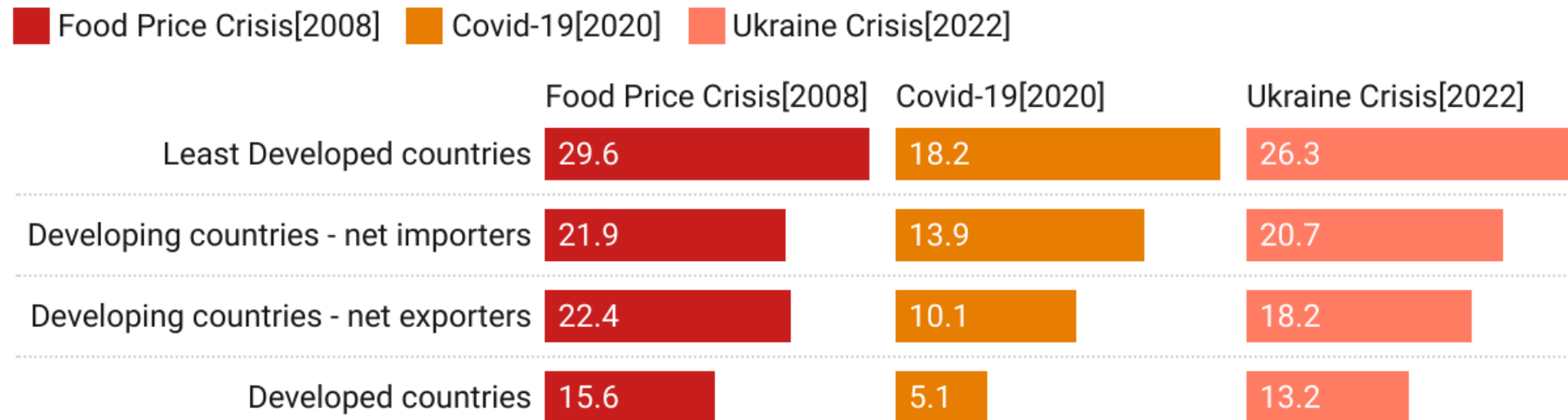




# Who is impacted?

## Share of imported calories impacted by export restrictions

Breakdown by economic group.



*Numbers include products used for food, feed or energy. Intra-EU trade excluded from computations.*

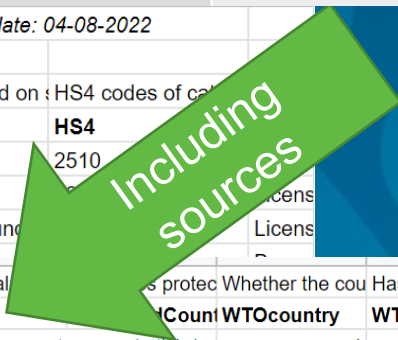
Chart: Abdullah Mamun • Source: Export restriction tracker





# Dataset is **documented** and underlying information could be **downloaded** (based on daily updates) in CSV format

About the Tracker Download & Notification		Food Export Restrictions	Time Profile and period of implementation	List of Export Restrictions on Food Products	List of Export Restrictions on Fertilizer Products	WTO notification on export restrictions	Impacts on Food Importers	Impacts on fertilizer importers	Exporter profile on Food products	Comparing 2022, 2020 and 2007 & 2008	2007-2008 Crisis		
1	(c) IFPRI 2022	License: ODC-By	Citation: Laborde D. & Mamun A. (2022). Food and fertilizer export restrictions during the Ukraine-Russia crisis. Last update: 04-08-2022										
3	Policy unique identification	Date that the entry	Date, MM/DD/YYYY	Starting date of	Year of the start	Unique 3-letter c	Name of country	text list of names of products, based on	HS4 codes of ca				
4	Code	LastUpdate	Announcement	StartingDate	EndDate	Country_Alpha	Country_Label	Products	HS4				
5	104	3/23/2022	9/8/2021	9/28/2021	12/31/2022	CHN	China	Phosphate rock	2510				
6	105	3/23/2022	10/11/2021	9/24/2021	12/31/2022	CHN	China	Fertilizers					
7	106	4/7/2022	11/3/2021	11/3/2021	6/3/2022	RUS	Russia	Nitrogenous fertilizers (inc. compound					
8	107	3/23/2022	12/7/2021	11/11/2021									
9	108	2/28/2022	1/3/2022	1/1/2022									
10	109	2/28/2022	1/3/2022	1/1/2022									
11	110	2/9/2022	1/27/2022	1/1/2022									
12	111	3/23/2022	2/18/2022	2/26/2022									
13	112	3/23/2022	2/24/2022	3/1/2022									
14	113	3/6/2022	3/4/2022	3/7/2022						0.00043045076	0.01885272113	0.037129	
15	114	4/1/2022	3/9/2022	1/31/2022						0.000987445974	0.01995423868	0.033499	
16	115	4/7/2022	3/9/2022	3/9/2022						0.745791722	0.5156000875	0.54784	
17	116	3/31/2022	3/10/2022	2/4/2022							0	0	
18	117	3/18/2022	3/10/2022	3/10/2022						0.4668136715	0.186611395	0.0033815	
19	118	4/8/2022	3/12/2022	3/12/2022									
20	119	4/5/2022	3/10/2022	3/10/2022						0.8119512048	0.6087968742	0.54612	
										0.2848322833	0.2171385493	0.075887	
										0	0	0	
										0.5403785511	0.1927867003	0.0041227	
											0	0	
										0.4981884154	0.09556438232	0.0065425	



# Ongoing issues, next steps and utilizations

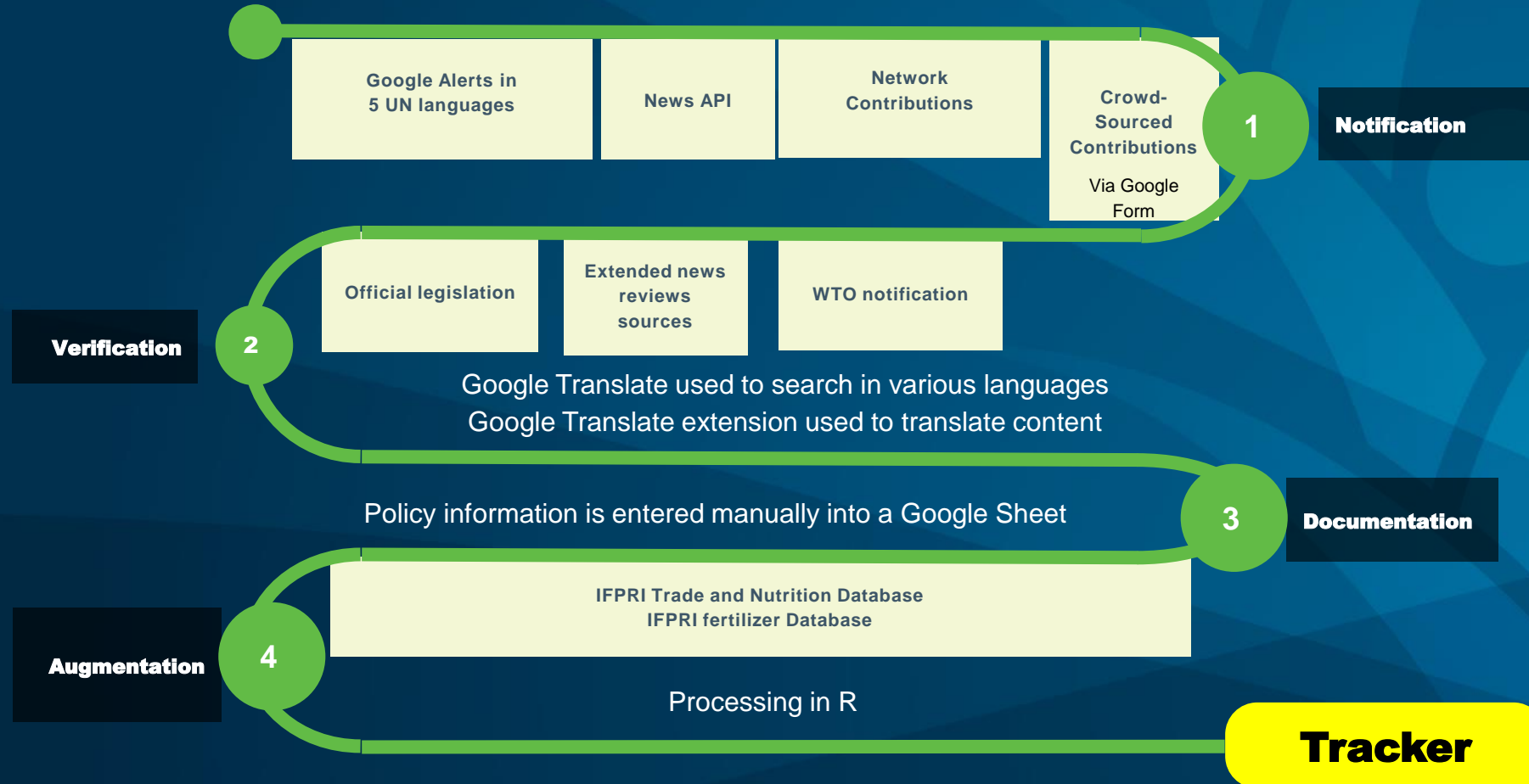
- Tracker generates information for other tools (e.g. **fertilizer dashboard**, or vulnerability analysis)
- Classification of measures remains somewhat subjective: licensing vs bans
- Difficulty to track the phasing out of the measures
- Additional automation on its way
  - Multi-language coverage of the tool still imperfect: need more support to “clear” the translation of key words
- New “dataset” on quota size: are measures binding or not?



**Add-on**



# Step by Step process: news collection, verification, documentation and augmentation (indicators computation)







# Export Restriction and Transparency

- **Improve the consultation and notification process**
  - Basis for common trust
  - Avoid market panics
- **Example of good practices**
  - Timely notification by Kazakhstan on all measures
- **Information sharing on food stock and policy development**
  - Reporting requirements on public stockholding or reserves
  - Reduces market uncertainty
  - AMIS, covers 80-90% of global production, consumption and trade volume, publish reports on key staples – wheat, rice, maize, and soybean
  - During COVID-19, some countries (e.g. Japan, India, Indonesia, Ukraine etc.) published regular reports on stock of staples



# Q&A