



Global Observatory for  
**Accurate Livestock Sciences**

UNECE August 2023

Towards a more sustainable and circular  
food system: The role of livestock

# The Dublin Declaration of Scientists calling for scientific evidence to be the basis for policy on livestock



## The Dublin Declaration

START SIGN SIGNATURES ACTIVITIES ENGLISH FRENCH PORTUGUESE SPANISH GERMAN ITALIAN



**1125**  
SIGNATURES

LATEST SIGNATURES

2

The image shows a screenshot of a website for "The Dublin Declaration". At the top, the title "The Dublin Declaration" is in bold yellow text. Below it is a navigation menu with links for "START", "SIGN", "SIGNATURES" (underlined), "ACTIVITIES", "ENGLISH" (underlined), "FRENCH", "PORTUGUESE", "SPANISH", "GERMAN", and "ITALIAN". The main content area features a world map where various countries are shaded in different intensities of blue, representing the locations of signatories. To the right of the map, the number "1125" is displayed in large blue font, with "SIGNATURES" written below it in a smaller, grey font. At the bottom of the map area, the text "LATEST SIGNATURES" is visible. In the bottom right corner of the page, the number "2" is shown.

# Weighty endorsements



IICA DIRECTOR GENERAL ANNOUNCES THE INSTITUTE'S ENDORSEMENT OF THE DUBLIN DECLARATION ON THE ROLE OF LIVESTOCK PRODUCTION AND HIGHLIGHTED THE ACTIVITY'S ECONOMIC, SOCIAL AND NUTRITIONAL BENEFITS

## The Dublin Declaration

### nature food

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[nature](#) > [nature food](#) > [correspondence](#) > article

Correspondence | [Published: 19 June 2023](#)

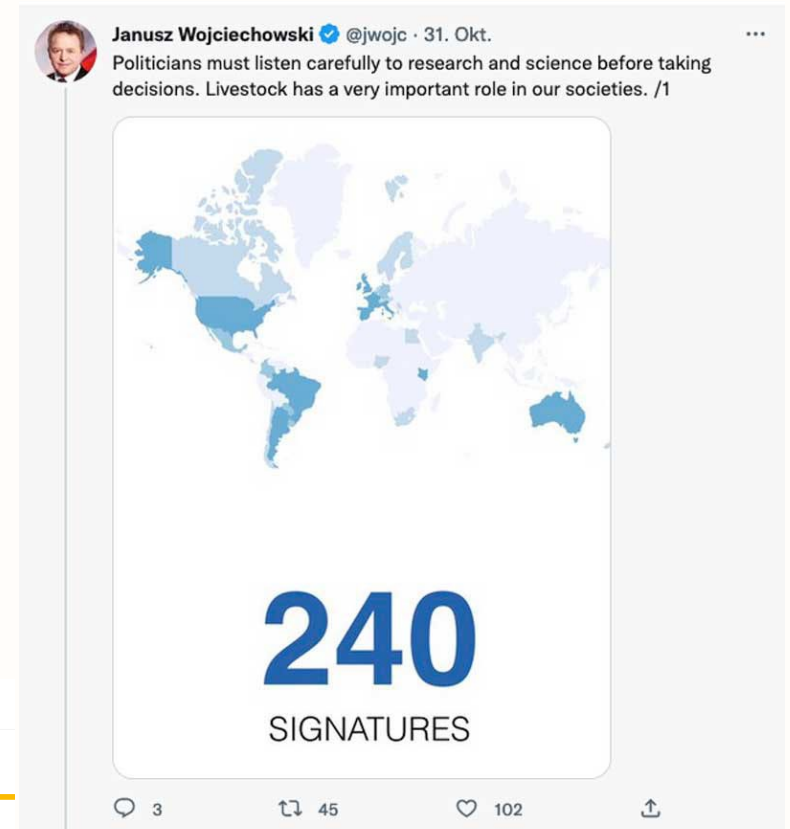
### The Dublin Declaration of Scientists on the Societal Role of Livestock

[Frédéric Leroy](#) & [Peer Ederer](#)

[Nature Food](#) 4, 438–439 (2023) | [Cite this article](#)

284 Accesses | 388 Altmetric | [Metrics](#)

The practice of science in livestock-related disciplines is often confronted with paralysing references to a scientific consensus that presents animal agriculture as a global problem that needs to be downsized rather than optimized – a claim amplified by some prominent voices in media, policy and academia. This is a



# THE reference publication for a global evidence-based livestock argumentation

## THE SOCIETAL ROLE OF MEAT



### DAY 1

Wednesday, October 19, 9am-5pm

#### THE ROLE OF MEAT IN DIET AND HEALTH

Moderating session: Diana Rodgers

##### Chronic disease

Speakers : Alice Stanton & Bradley Johnston

##### Essential nutrients

Speakers : Neil Mann & Nick Smith

Power workshops discussion



#### THE ROLE OF MEAT IN A SUSTAINABLE ENVIRONMENT

Moderating session: Franck Mitloehner

##### Ruminants

Speakers : Jason Rowntree & David Frame

##### Monogastrics

Speakers : Jean-Louis Peyraud & Wilhelm Windisch

Power workshops discussion



### DAY 2

Thursday, October 20, 9am-3pm

#### THE ROLE OF MEAT IN SOCIETY, ECONOMICS AND CULTURE

Moderating session: Theo de Jager

##### Pro

Speakers : Shirley Talawari & Peer Ederer

##### Anti

Speakers : Candice Croney & Paul Wood

Power workshops discussion



#### CONCLUSION & ACTIONS

Peer Ederer & Frederic Leroy

Short description about the papers?



Follow-up  
in Oct  
2024 in  
USA




3-Oct



4

# Dublin Declaration roots in the UN Food System Summit 2021

Final statement  
on Sustainable  
Livestock at the  
Summit  
Declaration: 

“Human civilization has been built on livestock from initiating the bronze-age more than 5000 years ago towards being the bedrock of food security for modern societies today. Livestock is the millennial-long proven method to create healthy nutrition and secure livelihoods, a wisdom deeply embedded in cultural values everywhere. Sustainable livestock will also provide solutions for the additional challenge of today, to stay within the safe operating zone of planet Earth’s boundaries, the only Earth we have.”

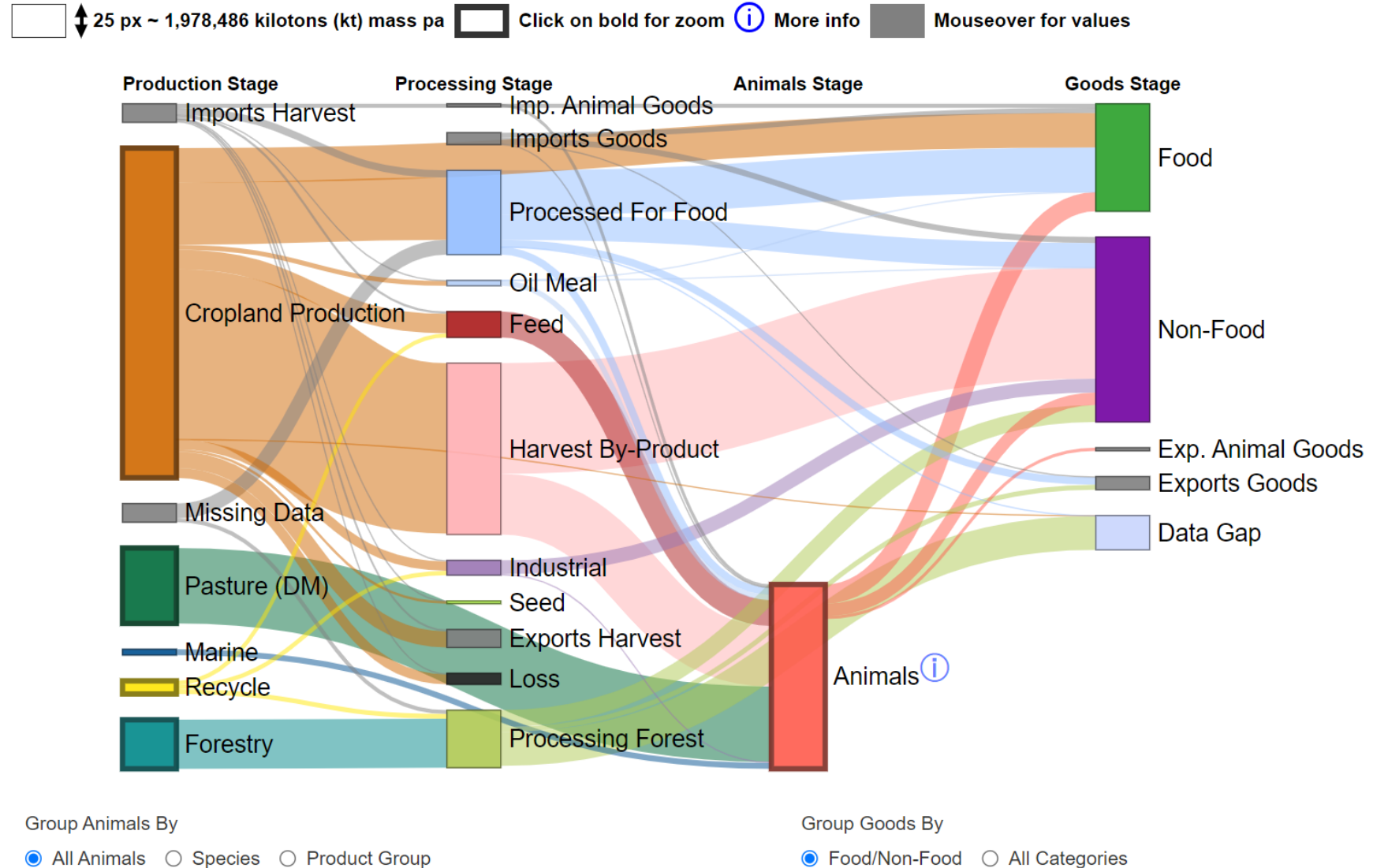




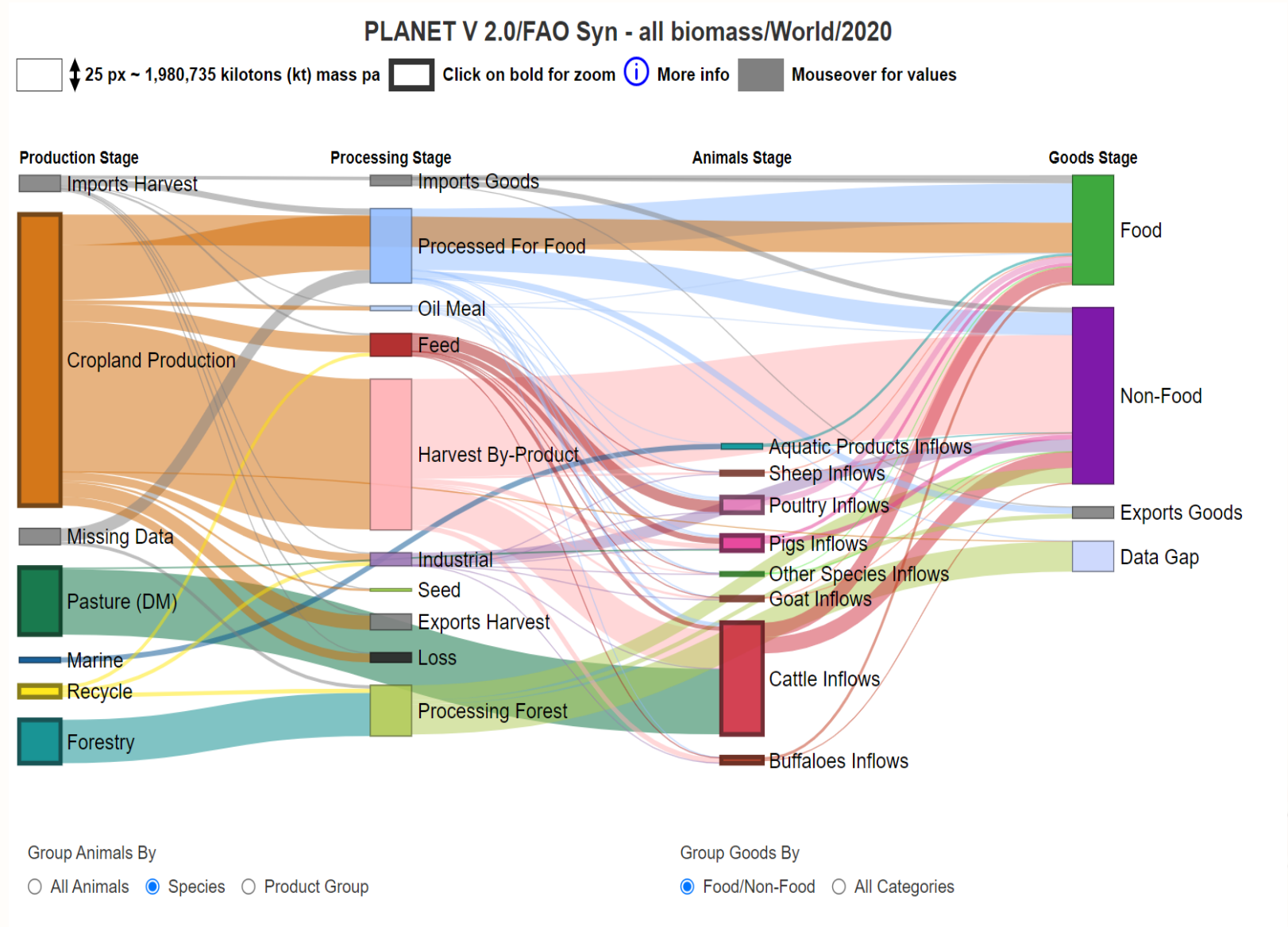
# PLANET

<https://goalsciences.org/planet-food-system-explorer>

## PLANET V 2.0/FAO Syn - all biomass/World/2020



# PLANET – Separating flows by species

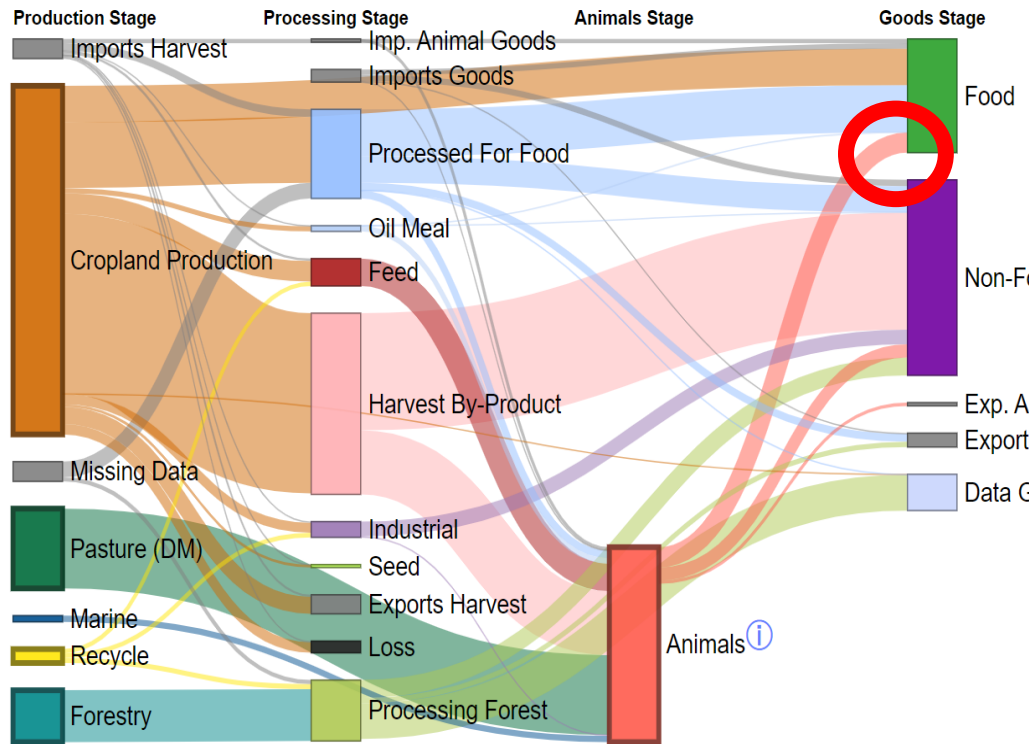


# PLANET – kilos of biomass vs kilos of protein

PLANET V 2.0/FAO Syn - all biomass/World/2020

25 px ~ 1,978,486 kilotons (kt) mass pa

Click on bold for zoom More info Mouseover for values



Group Animals By

All Animals  Species  Product Group

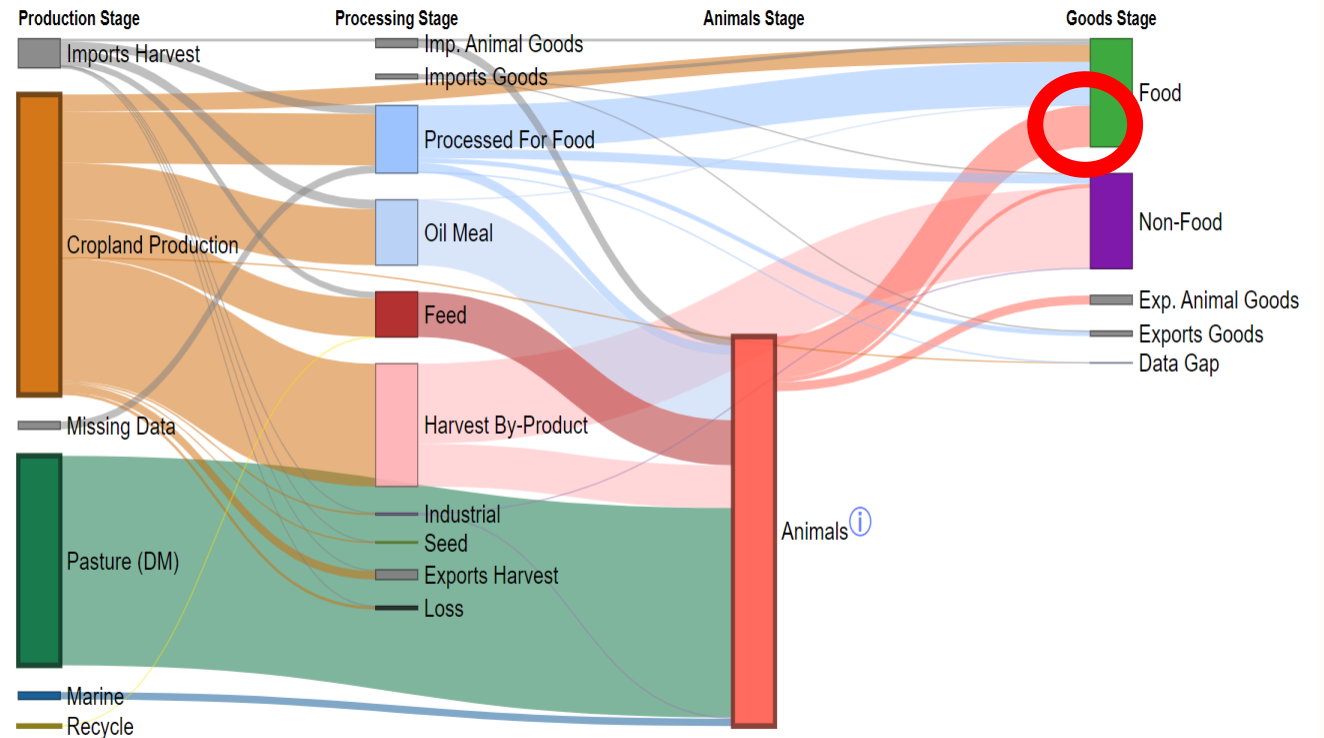
Group Goods By

Food/Non-Food  All Categories

PLANET V 1.3/FAO Syn - all biomass/World/2020

25 px ~ 79,660,590 tons (t) protein pa

Click on bold for zoom More info Mouseover for values



Group Goods By

Food/Non-Food  All Categories



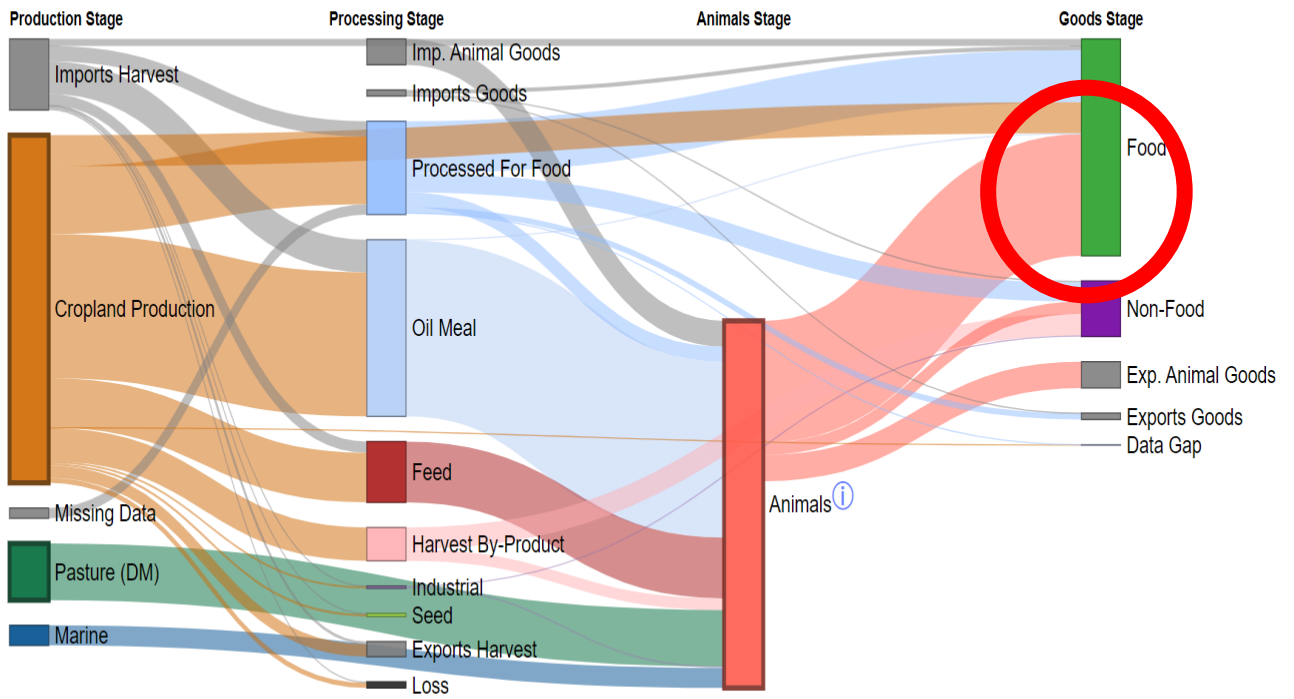
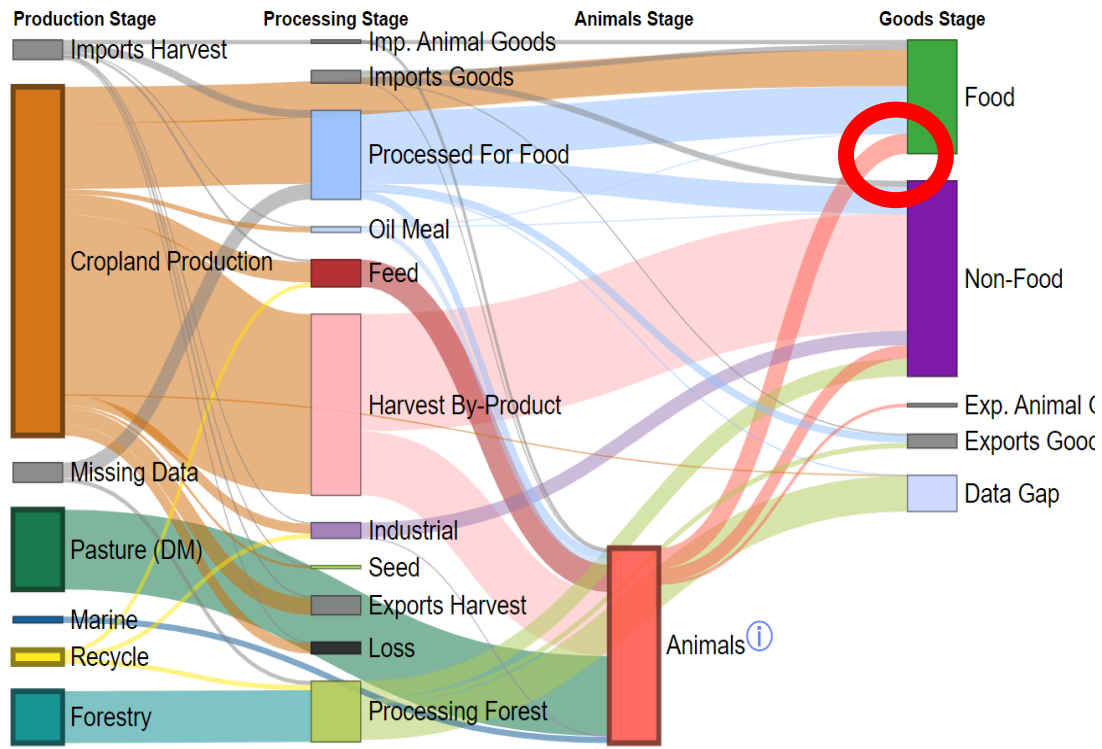
# PLANET – kilos of biomass vs kilos of BIOAVAILABLE protein

PLANET V 2.0/FAO Syn - all biomass/World/2020

PLANET V 1.3/FAO Syn - all biomass/World/2020

25 px ~ 1,978,486 kilotons (kt) mass pa  Click on bold for zoom  More info  Mouseover for values

25 px ~ 27,788,907 tons (t) adj. protein pa  Click on bold for zoom  More info  Mouseover for values

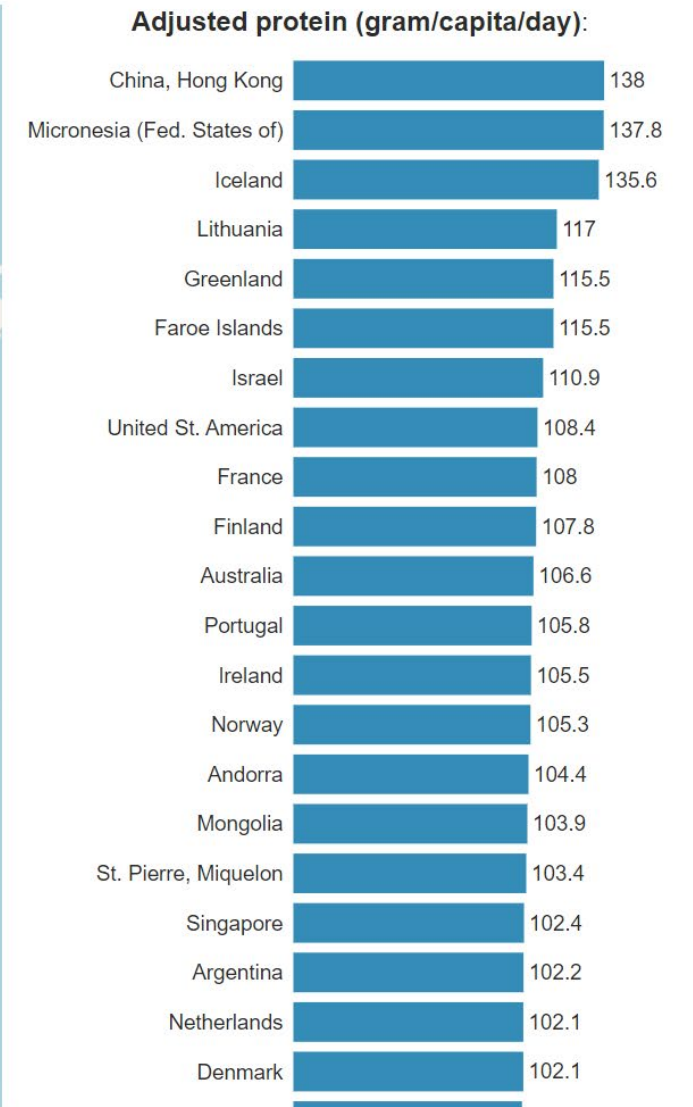
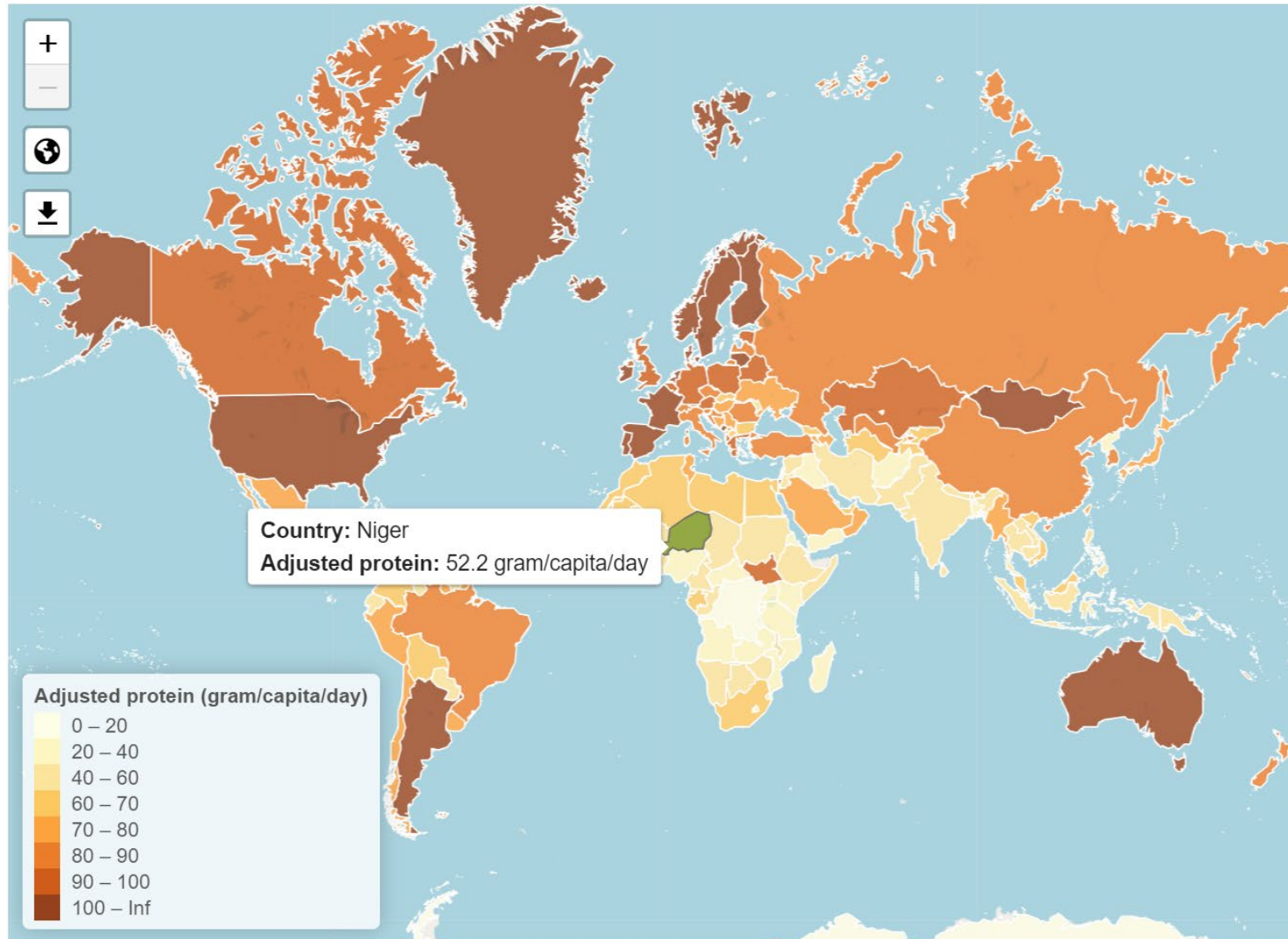


Group Animals By  
 All Animals  Species  Product Group

Group Goods By  
 Food/Non-Food  All Categories

Group Goods By  
 Food/Non-Food  All Categories

# PLANET Bioavailable protein per head per day

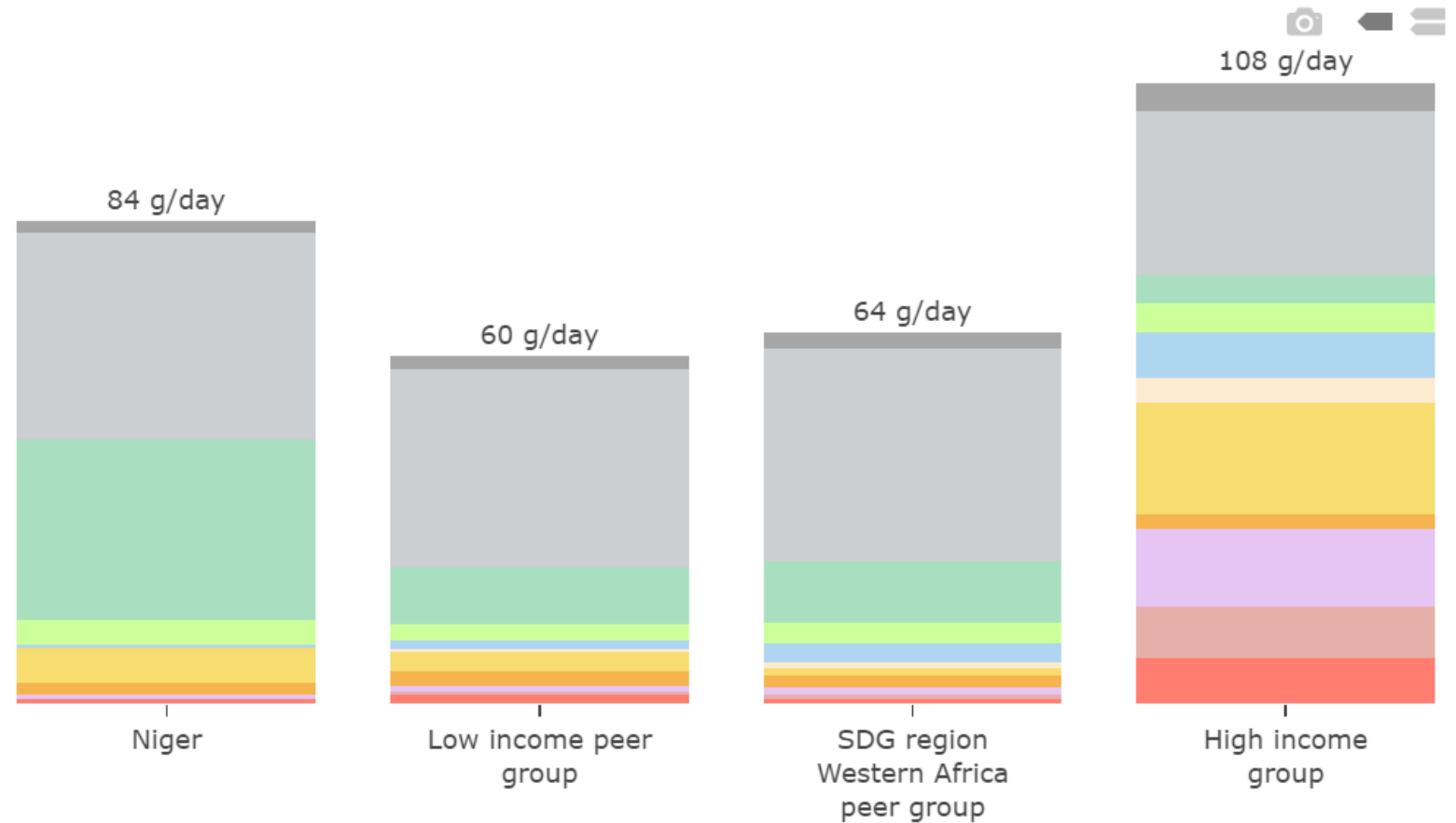


# PLANET <https://goalsciences.org/planet-food-system-explorer>

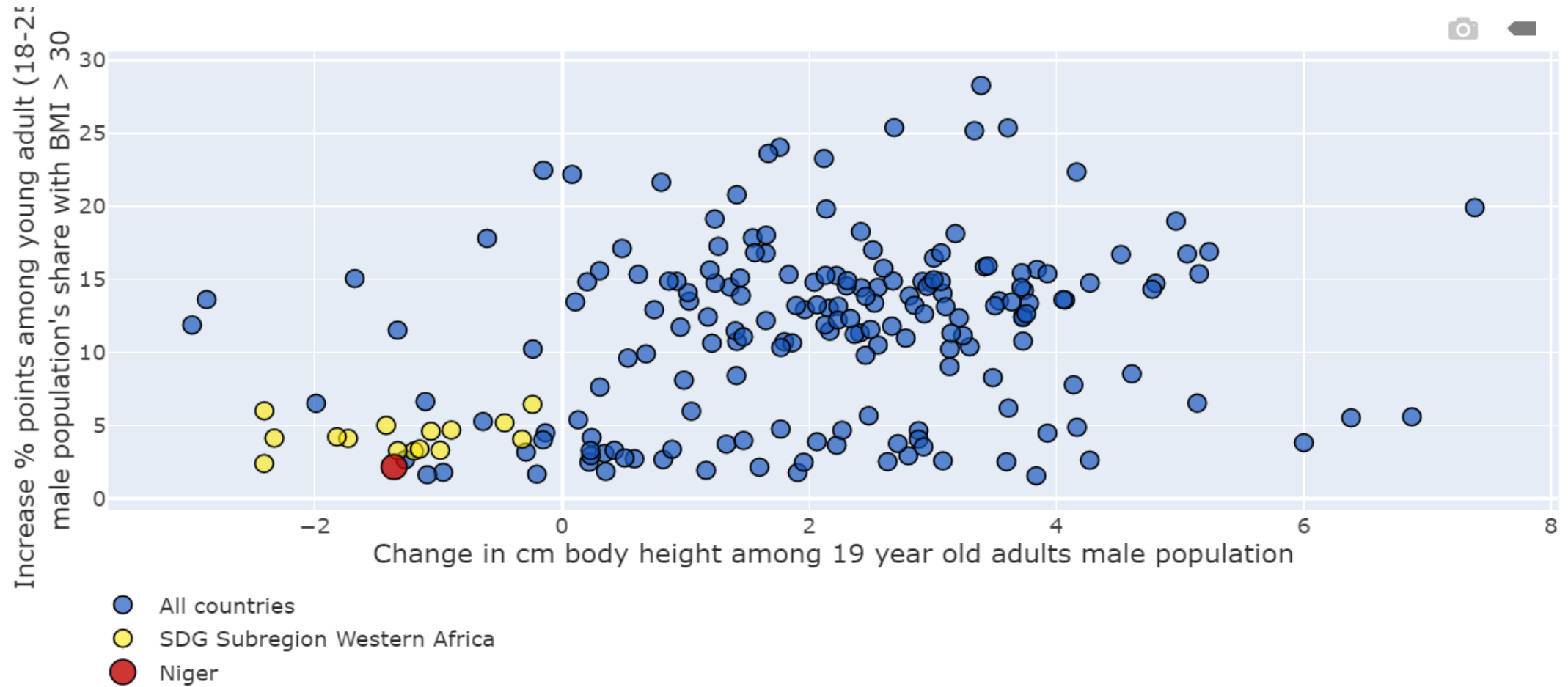
## Protein Composition in g/day per person, food available as per FAO, Niger 2020

### Products:

- Other
- Starchy staples
- Pulses and nuts
- Fruits and Vegetables
- Fish
- Chicken eggs
- Milk and cheese
- Other Meat and Offals
- Poultry meat
- Pork meat
- Beef meat



## Development of male body height and BMI (1985-2016), Niger



Source: GOALSciences calculations based on NCD RisC Lancet 2017.

# PLANET <https://goalsciences.org/planet-food-system-explorer>

## PLANET V 1.3/Resource Utilization/land/China, mainland/2020

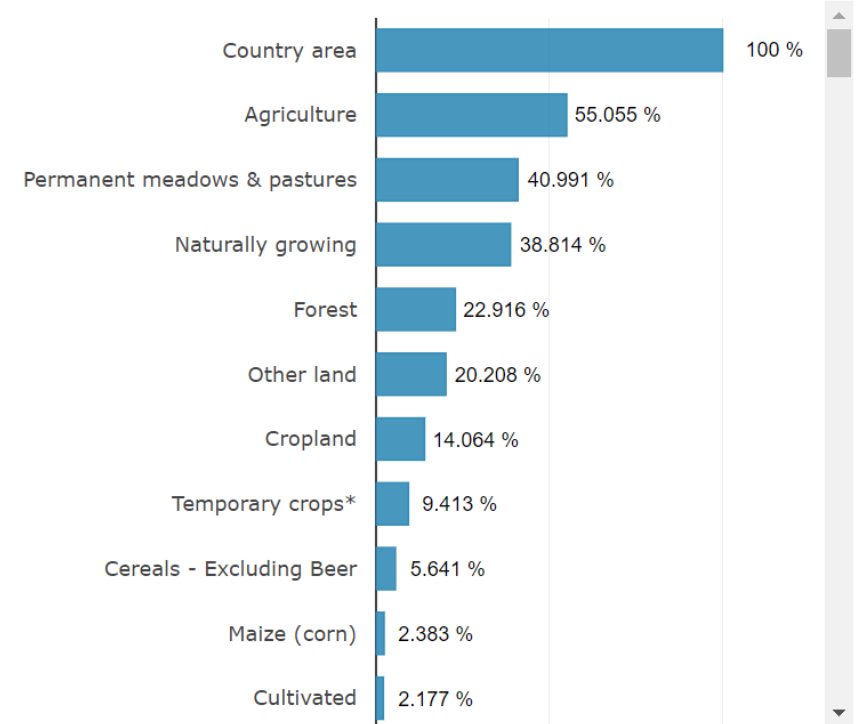
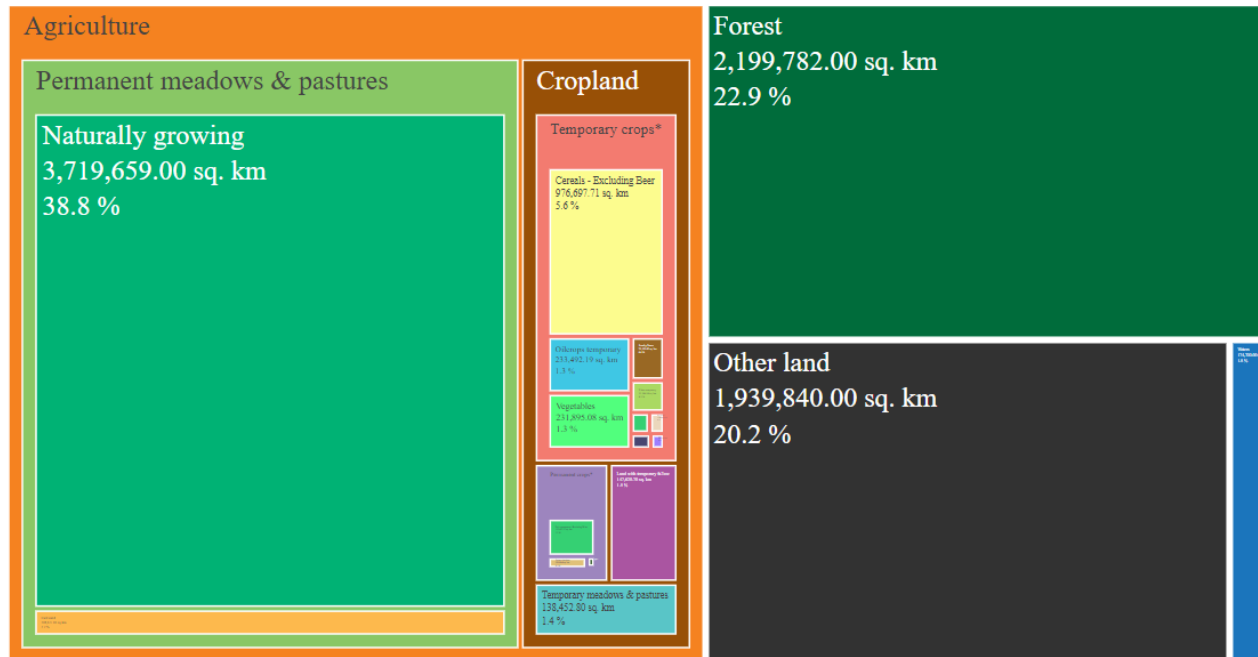
Sort by:

Alphabet  Value

Show by:

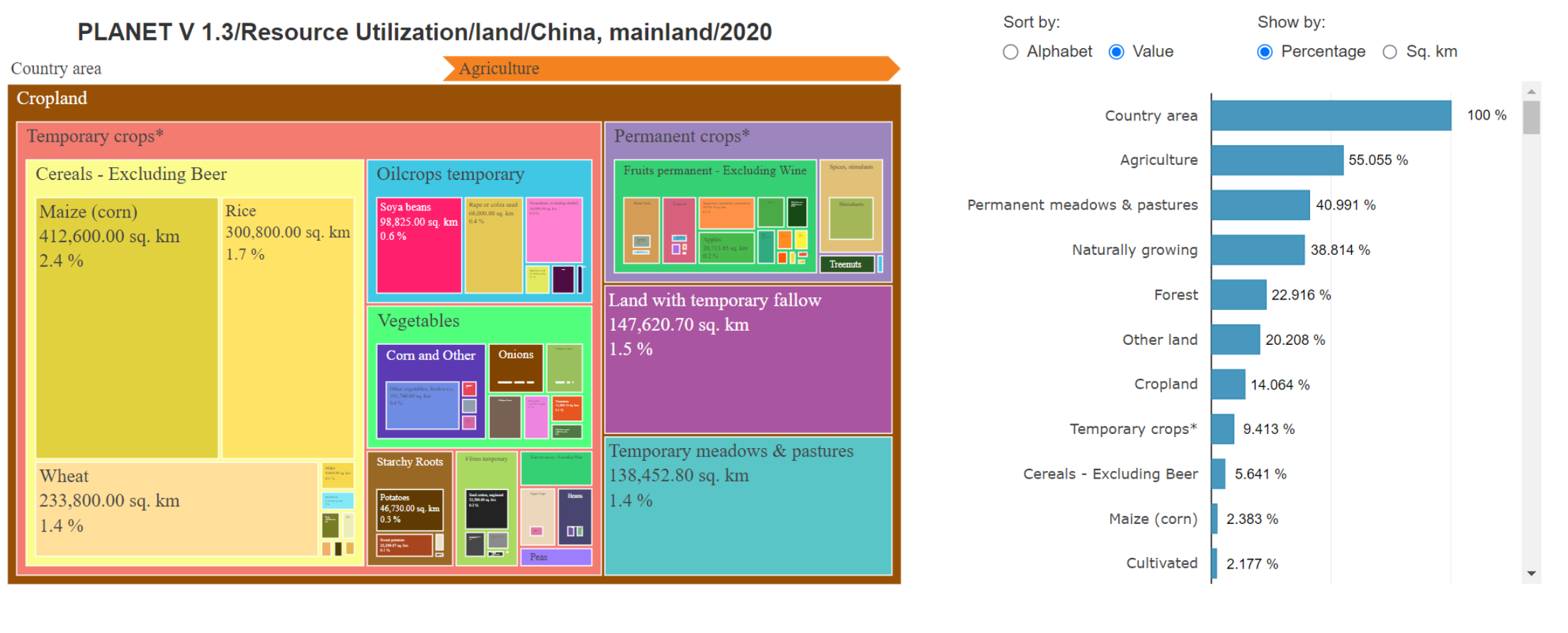
Percentage  Sq. km

Country area





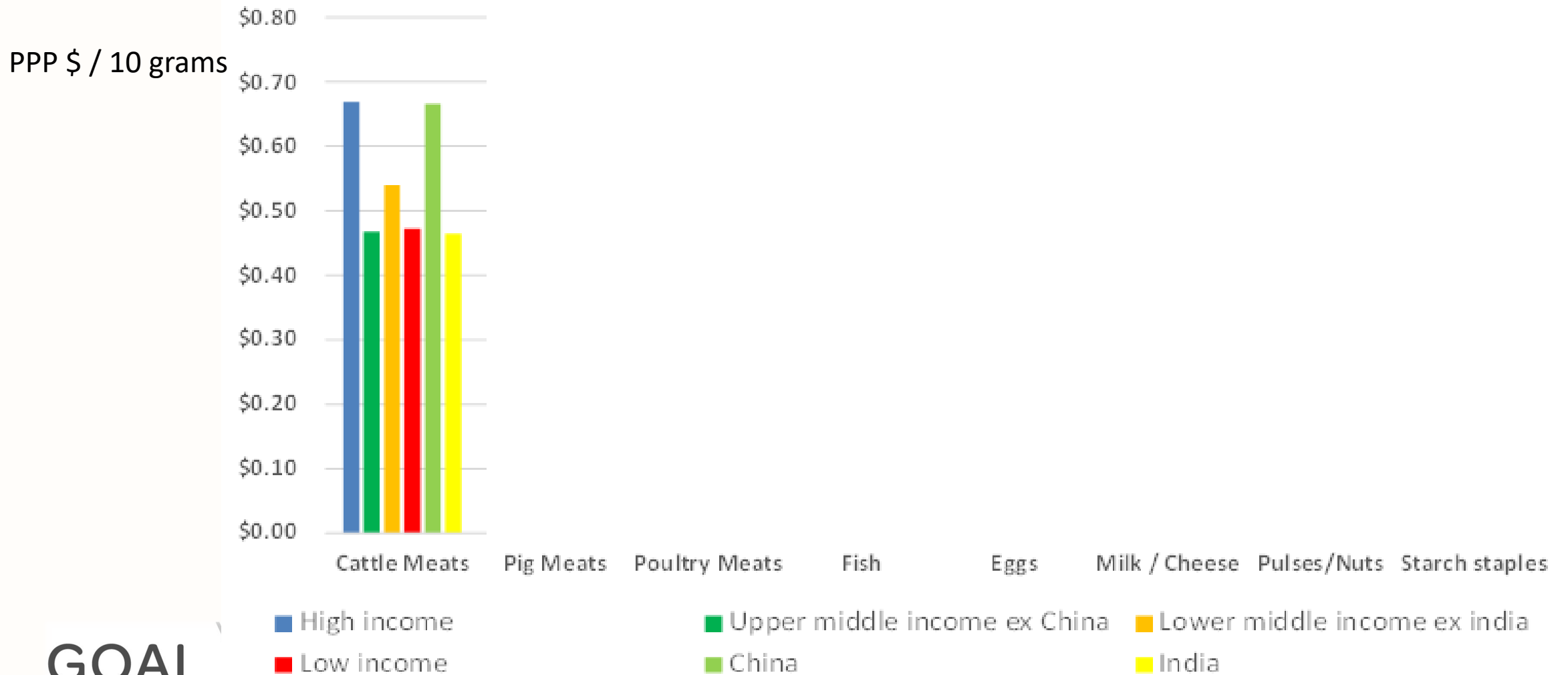
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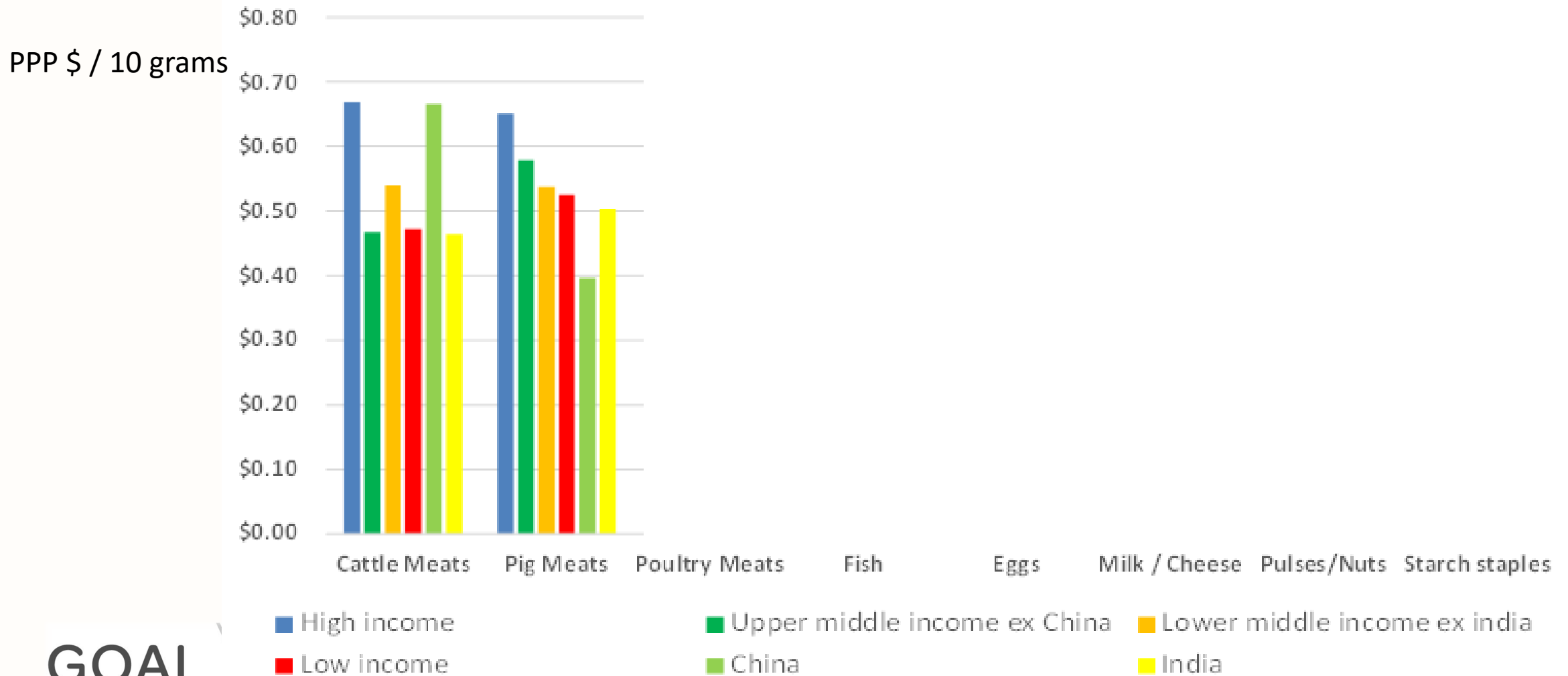
# Cost of proteins by source and region



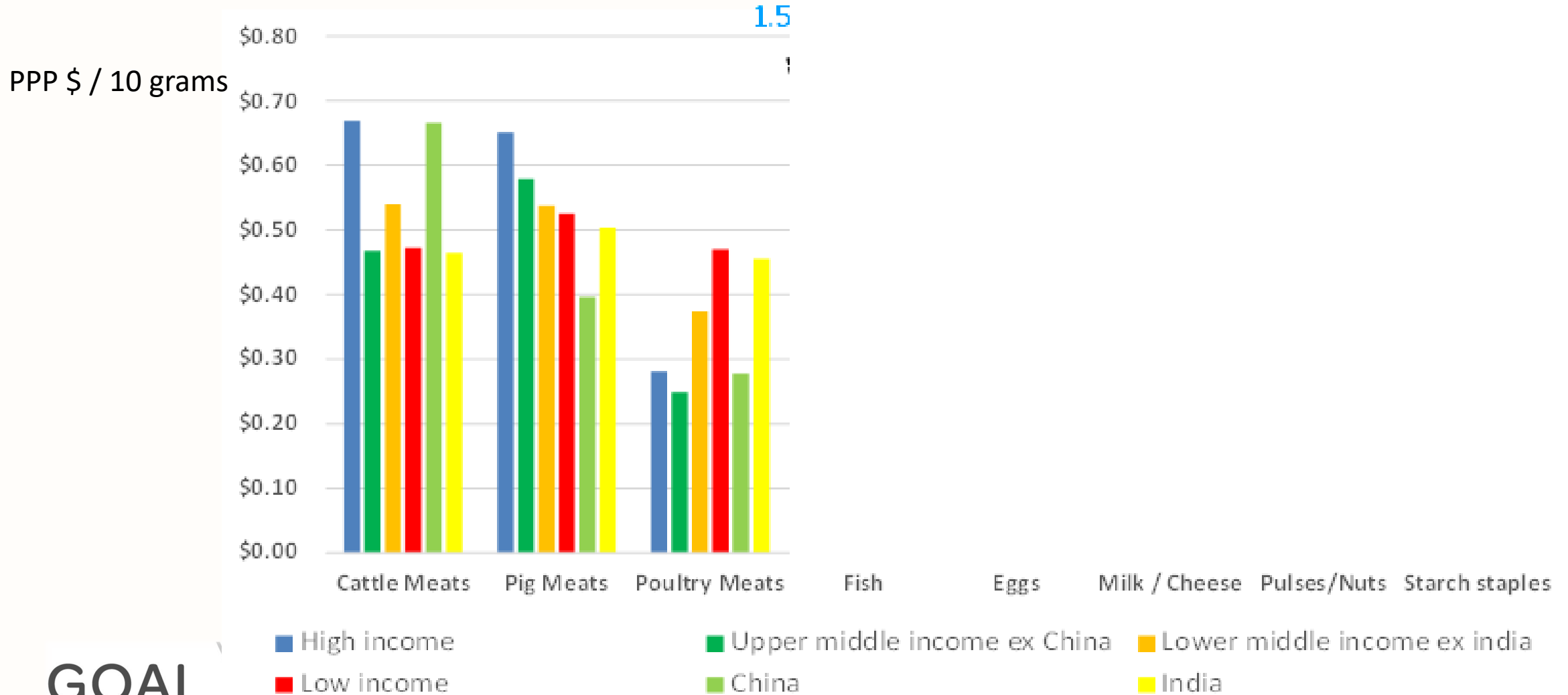
# Cost of proteins by source and region



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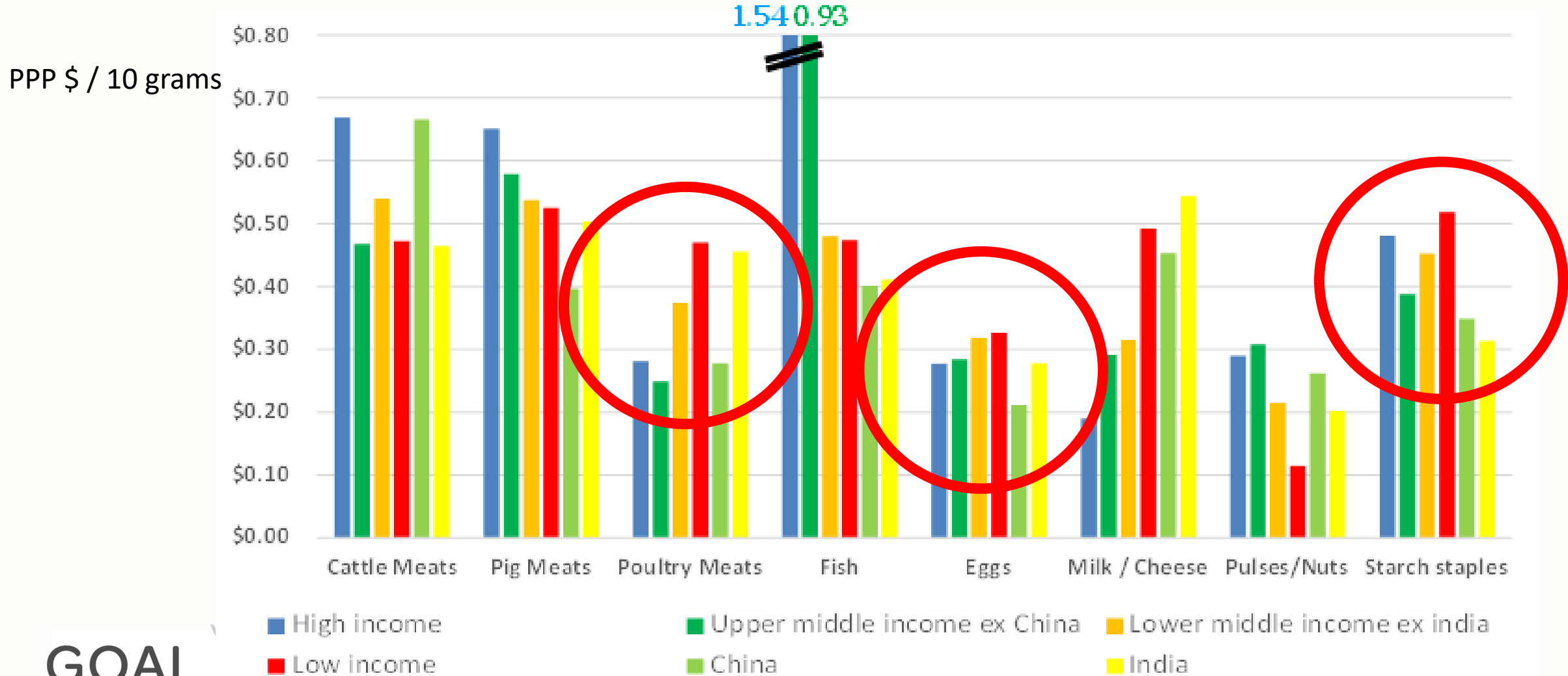


# Cost of proteins by source and region





# Cost of BIOAVAILABLE ! proteins



GOAL  
Science

Source: Computations by GOALSciences on the basis of FAOStat and World Bank ICP data



# GOAL Sciences Mission

GOAL facilitates, enables and accelerates multipliers / influencers by curating correct science and data on livestock and making them accessible / consumable for the non-scientist

