



**European
Flour
Millers**

Berlin – 18 May 2017

Wheat Markets Security and Risks in the Mediterranean

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PART 1



Geopolitics **of Food and Agriculture**

CARTE DU MONDE
CONFORME A LA SURFACE REELLE
PROJECTION PETERS
Echelle de surface: 1:850 000 000 MILLIONS
1 CM DE LA CARTE = 85 000 KM
EN GRANDEUR NATURELLE

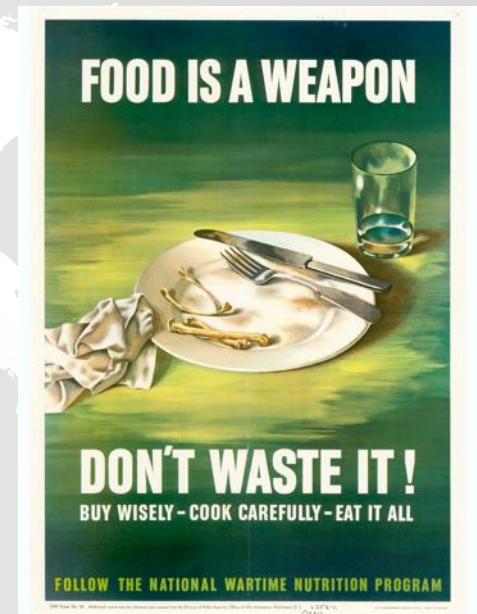
CETTE PROJECTION, CONFORME A LA SURFACE REELLE, EST BASEE SUR LE RESEAU DECIMAL DE LA CARTE CITER PAR ANDRÉ PETERS. ELLE DIVISE LA SURFACE DE LA TERRE PAR DEPLACEMENT DU MERIDIEEN ZERO A LA LONGUEUR CORREE DU CHANGEMENT DE DATE, EN 100 RECTANGLES LONGITUDINAUX DE LONGUEUR EGALE ET EN 100 RECTANGLES PARALLELES A L'EQUATEUR DE HAUTEUR EGALE. PAR CETTE PROJECTION UN OBJET DANS LA REGION DE L'EQUATEUR DES RECTANGLES MERIDIEUX SE TRANSFORME, EN SE PROJOCTANT DES POLES EN CARRÉS PLUS EN RECTANGLES HORIZONTAUX, LE NOMBREMENT DES DEUX SORTES DE RECTANGLES SE TROUVE EN MARQUE DE LA CARTE A COTE DU NUMEROTAGE DU RESEAU USUEL INDIQUE.

CLASSIFICATION DES VILLES
Approximations urbaines:
• plus de 5 millions d'habitants
• plus de 1 million d'habitants
• 100 000 à 1 million d'habitants
• moins de 100 000 habitants

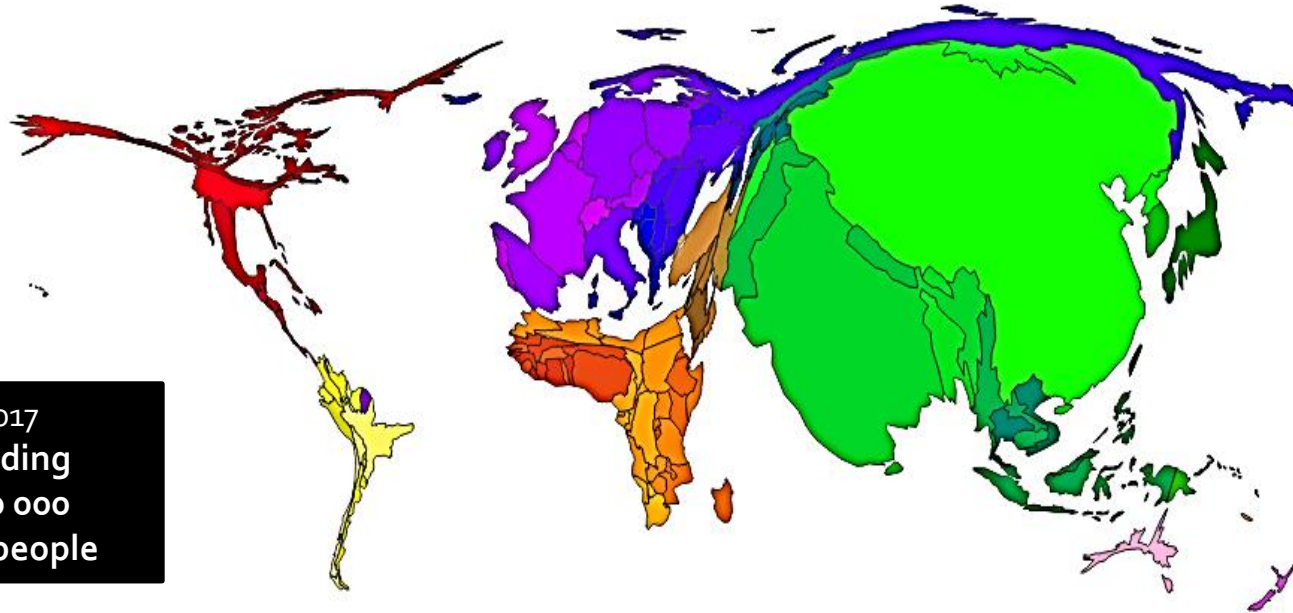
COPIRIGHT HUBER VENLIS

...But still some evidences

- Food is Life
- Agriculture for Food
- Ancestral need...for the future
- **Food, Human Security and Peace**
- Commodities and Geopolitics
- **Climate & Agriculture**



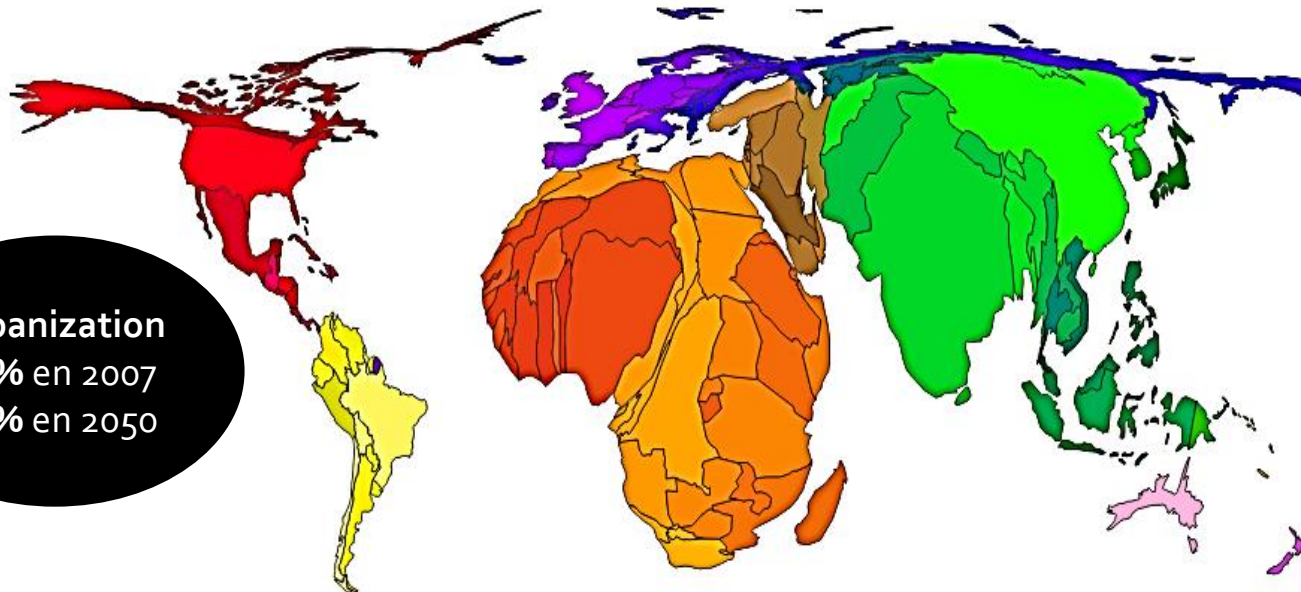
Demography : The Global Shift



2017
Feeding
220 000
new people

1800
1.0 billion
World Population

2050
9,6 billion
or 8,6 ou 10,8 ?



Urbanization
50% en 2007
70% en 2050

2100
11.2 billion
World Population

Rural-Urban Disparities

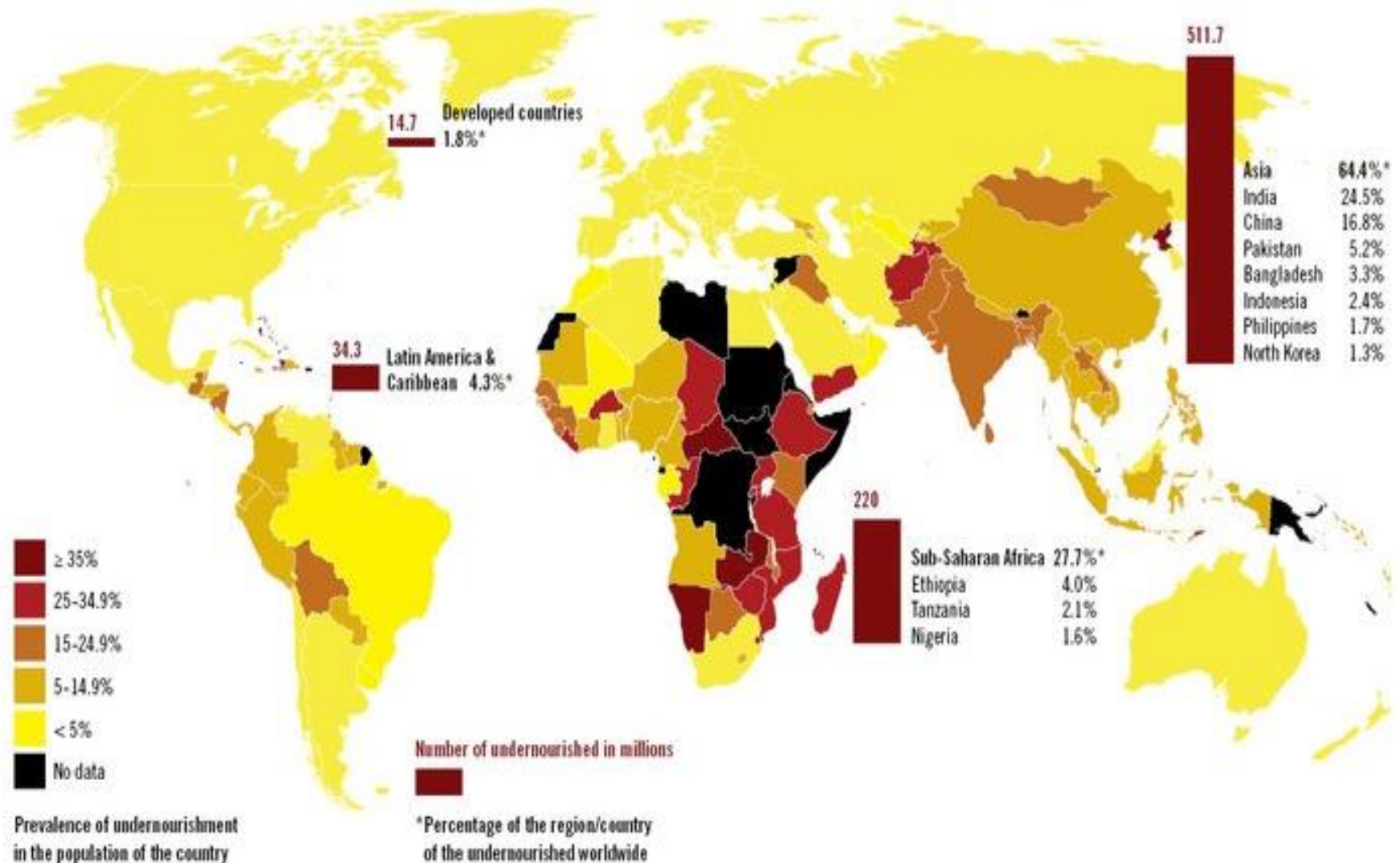


Non-Inclusive Growth

City / Countryside
Urban and Coastal Dynamics
Rural Instabilities

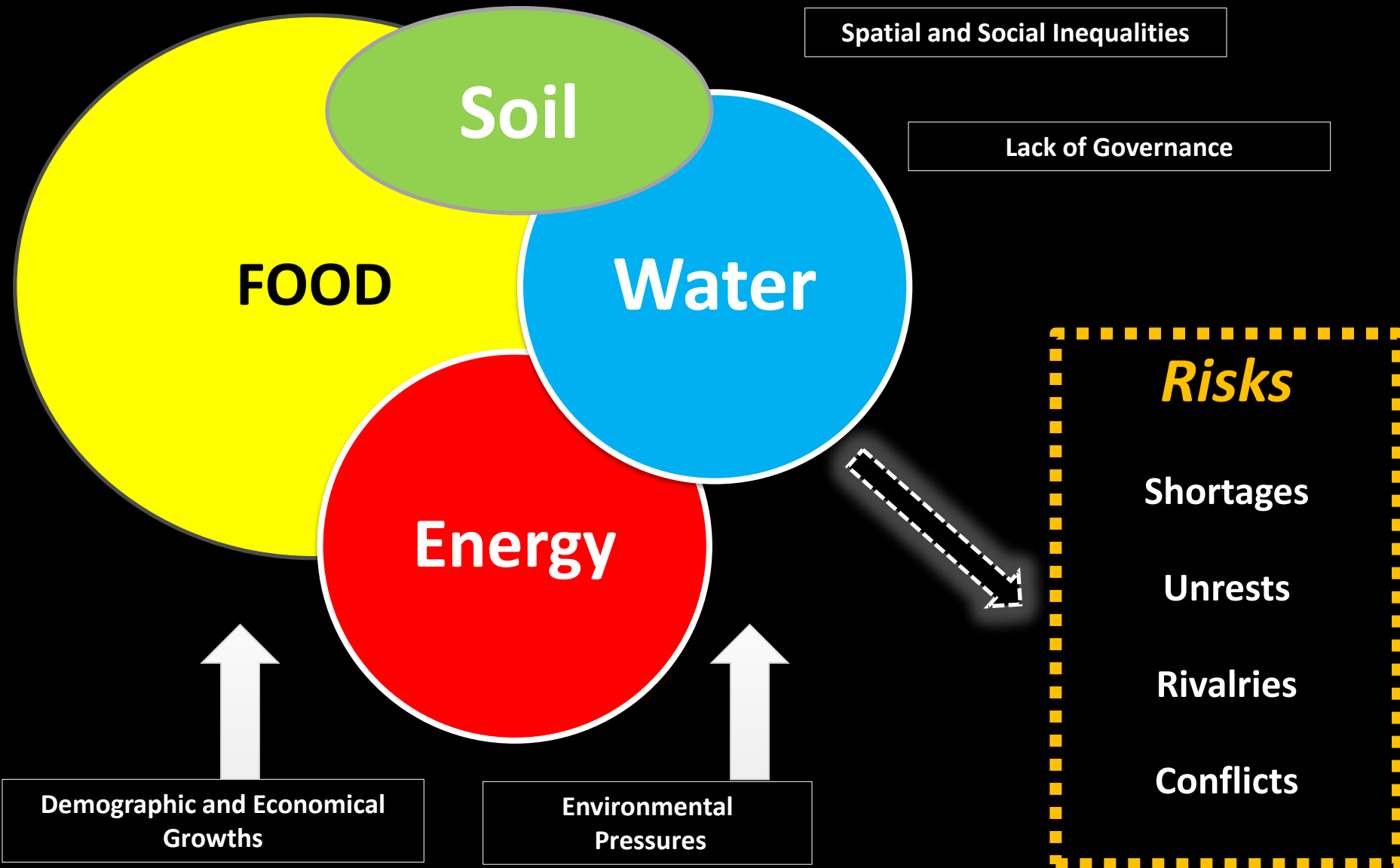


Hunger, Poverty and War: The Vicious Circle

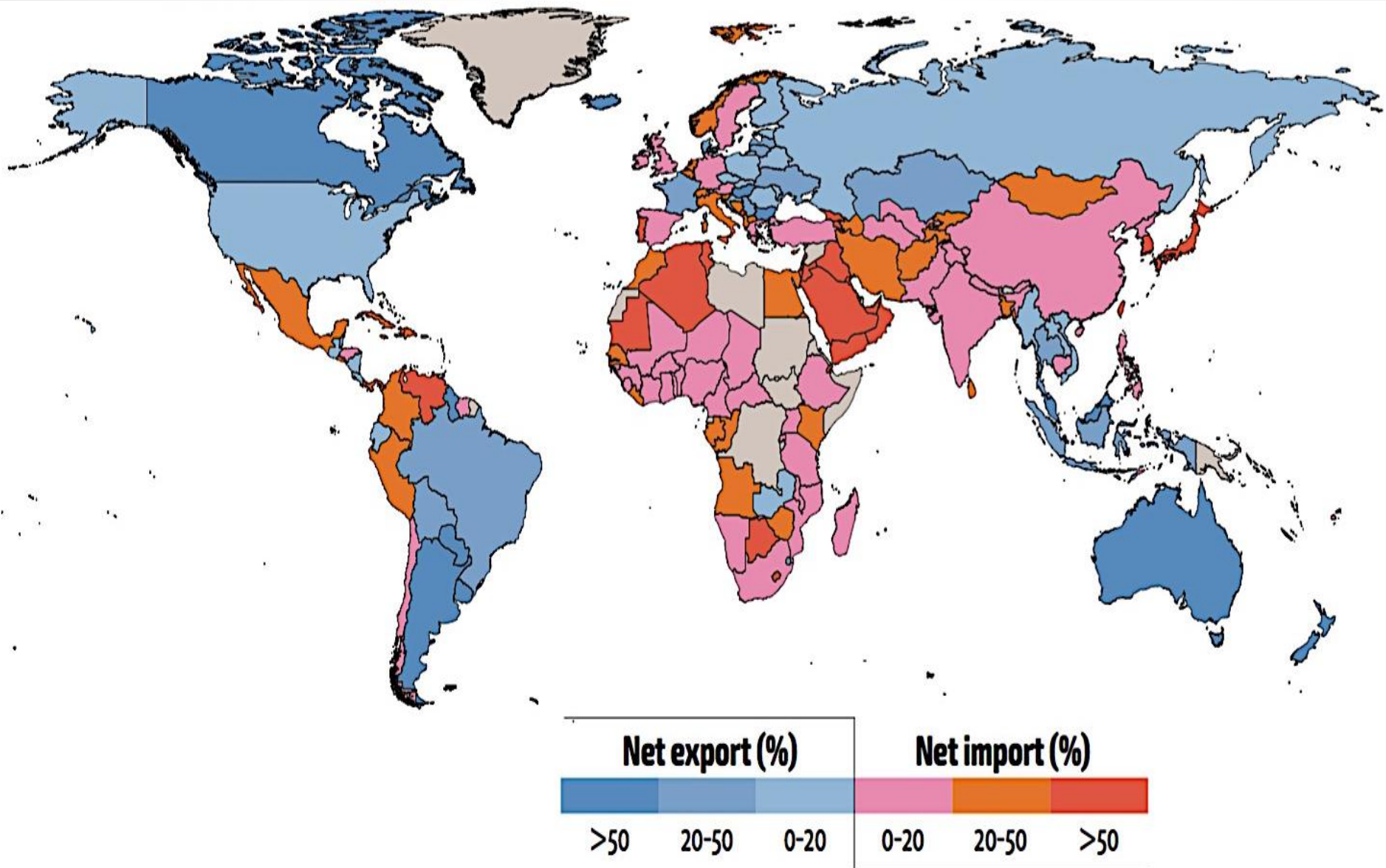


Source: FAO (2015), data for the period 2014-2016

Access to the Resources

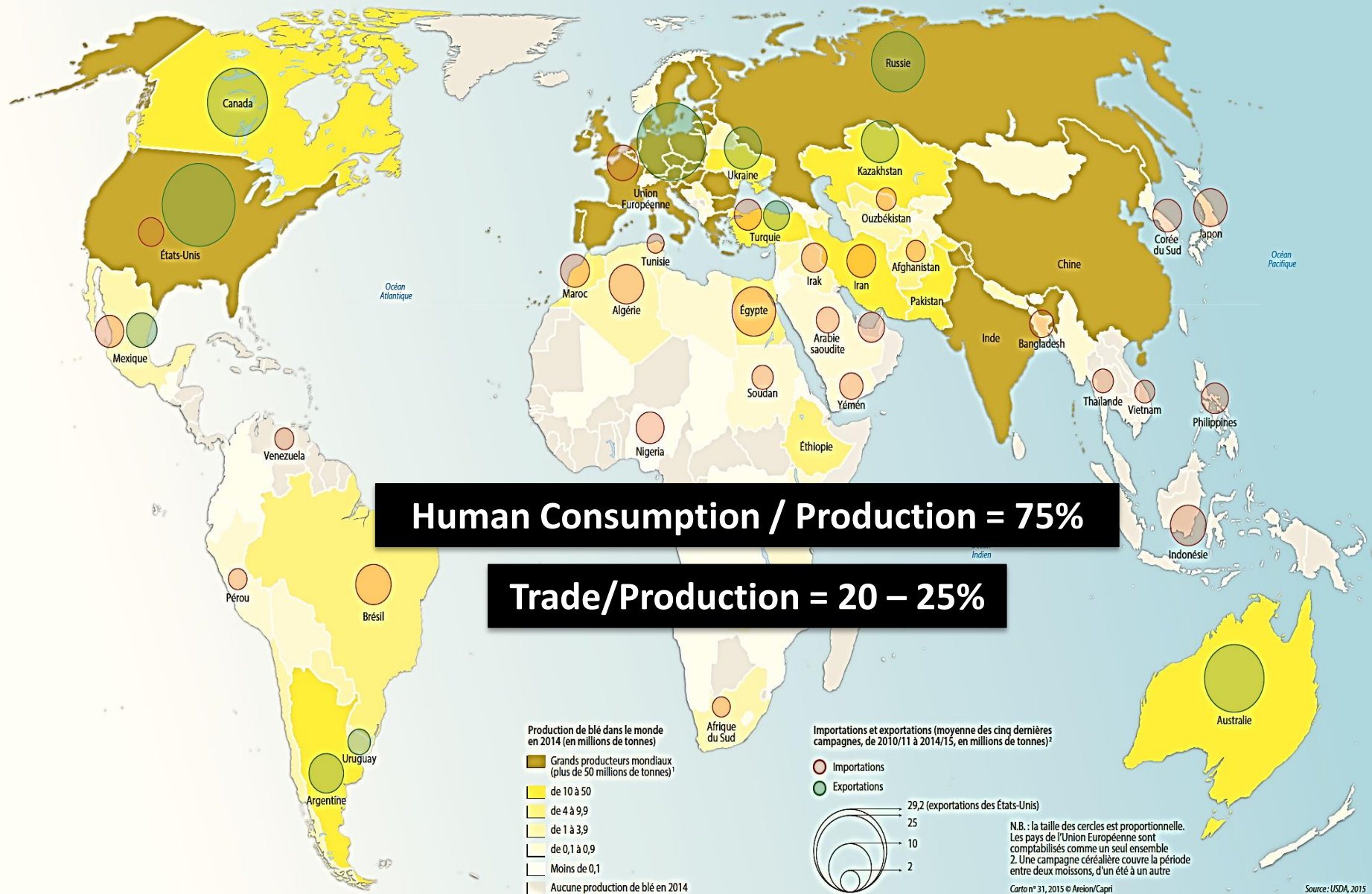


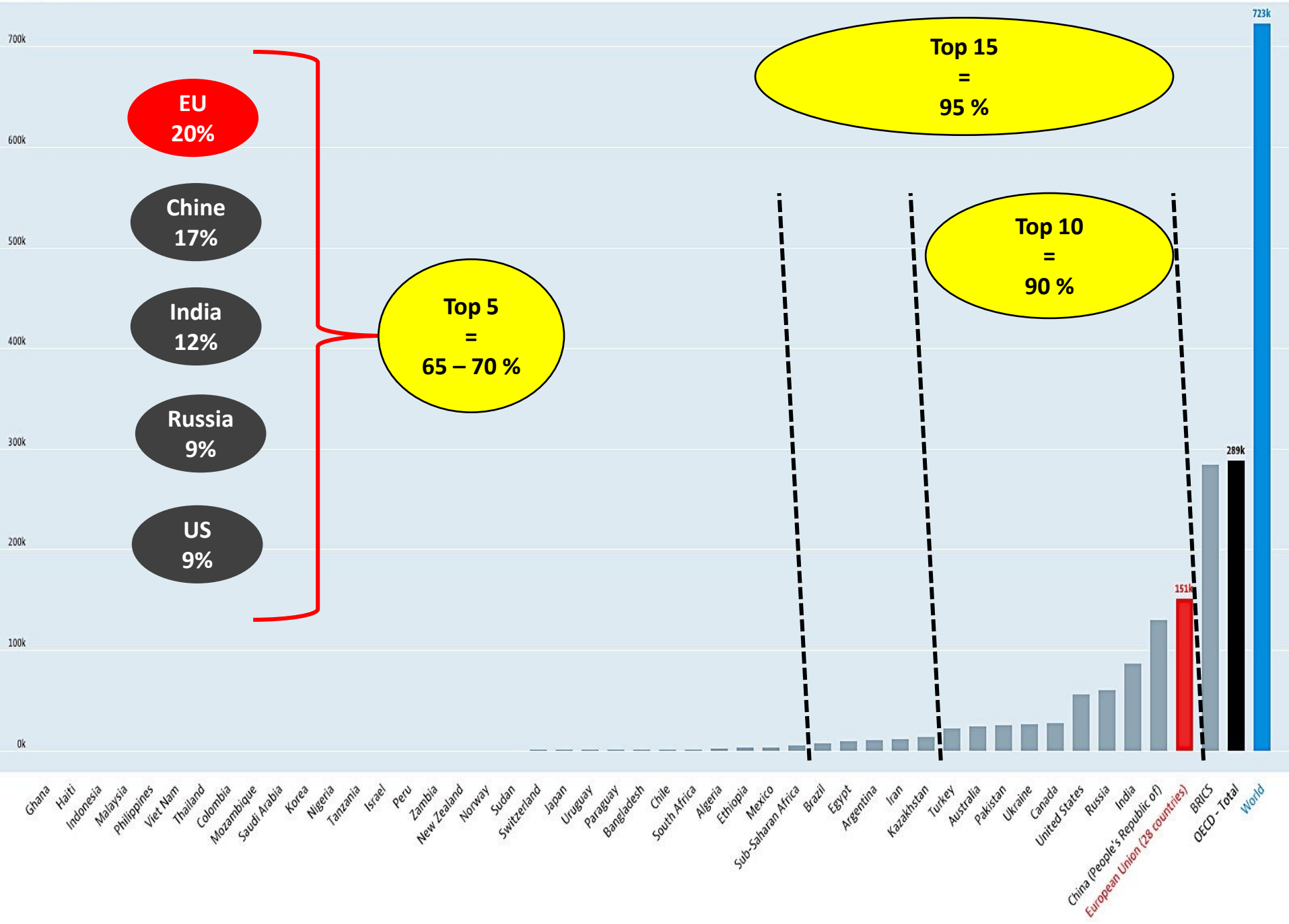
Food Imbalances between countries and regions



Source: FAO Global Perspectives Studies, using 2011 food balance sheets from FAO, 2016a.

Geopolitics of Wheat





The World (Food) Crisis

Was Malthus Right ?

Produce more and better with less

A new Geopolitics of Food ?

Dangerous Trends and widening Imbalances

Food Security ?

Key driver for People and for Nations

PART 2

The MENA Barometer

A Grain Hyper-Dependency

Geohistory of a grain at the heart of power



-9500 -386 -68 1774-1775 1979 1984 2008-2011



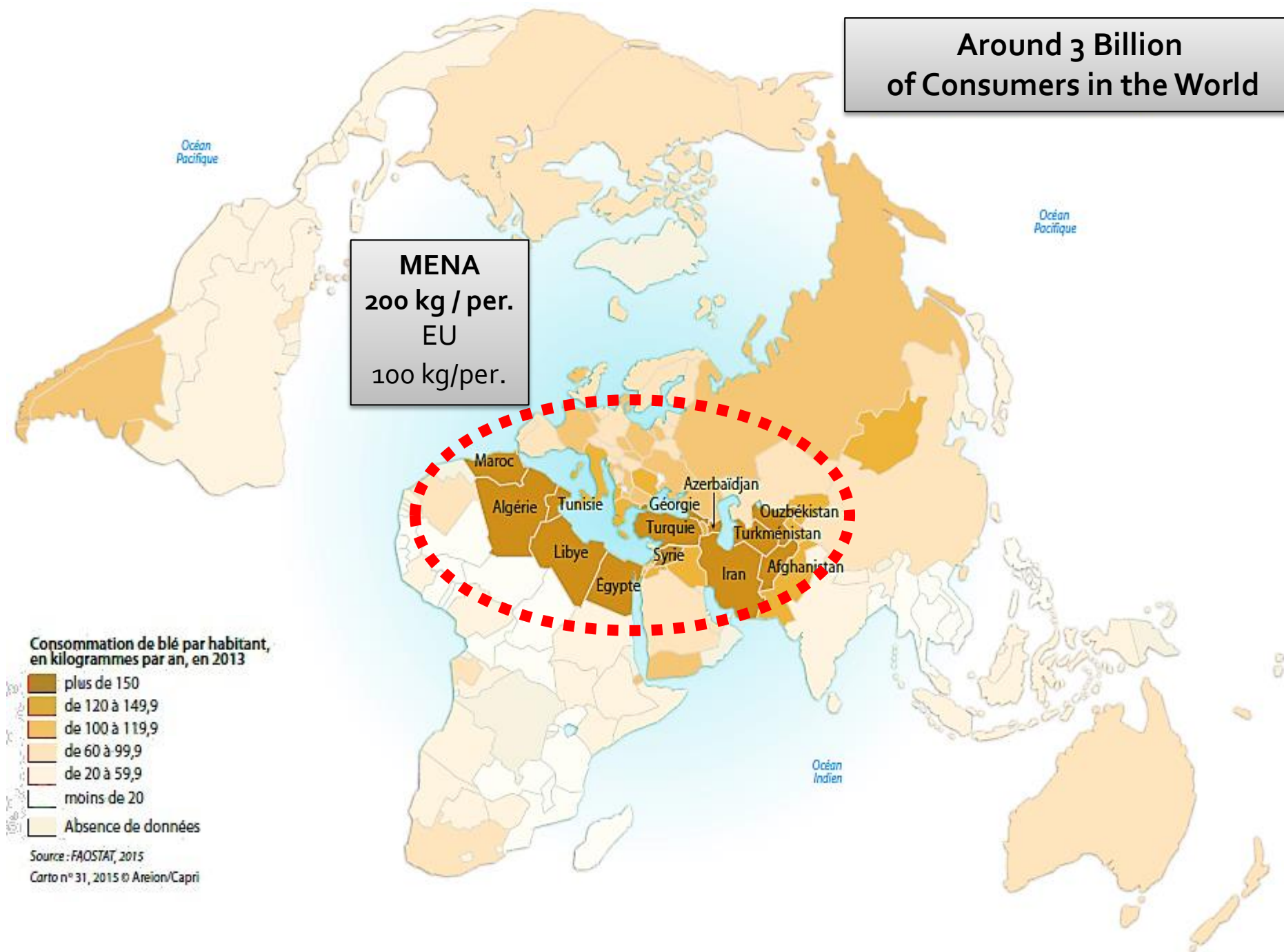
**Around 3 Billion
of Consumers in the World**

MENA
200 kg / per.
EU
100 kg/per.

**Consommation de blé par habitant,
en kilogrammes par an, en 2013**

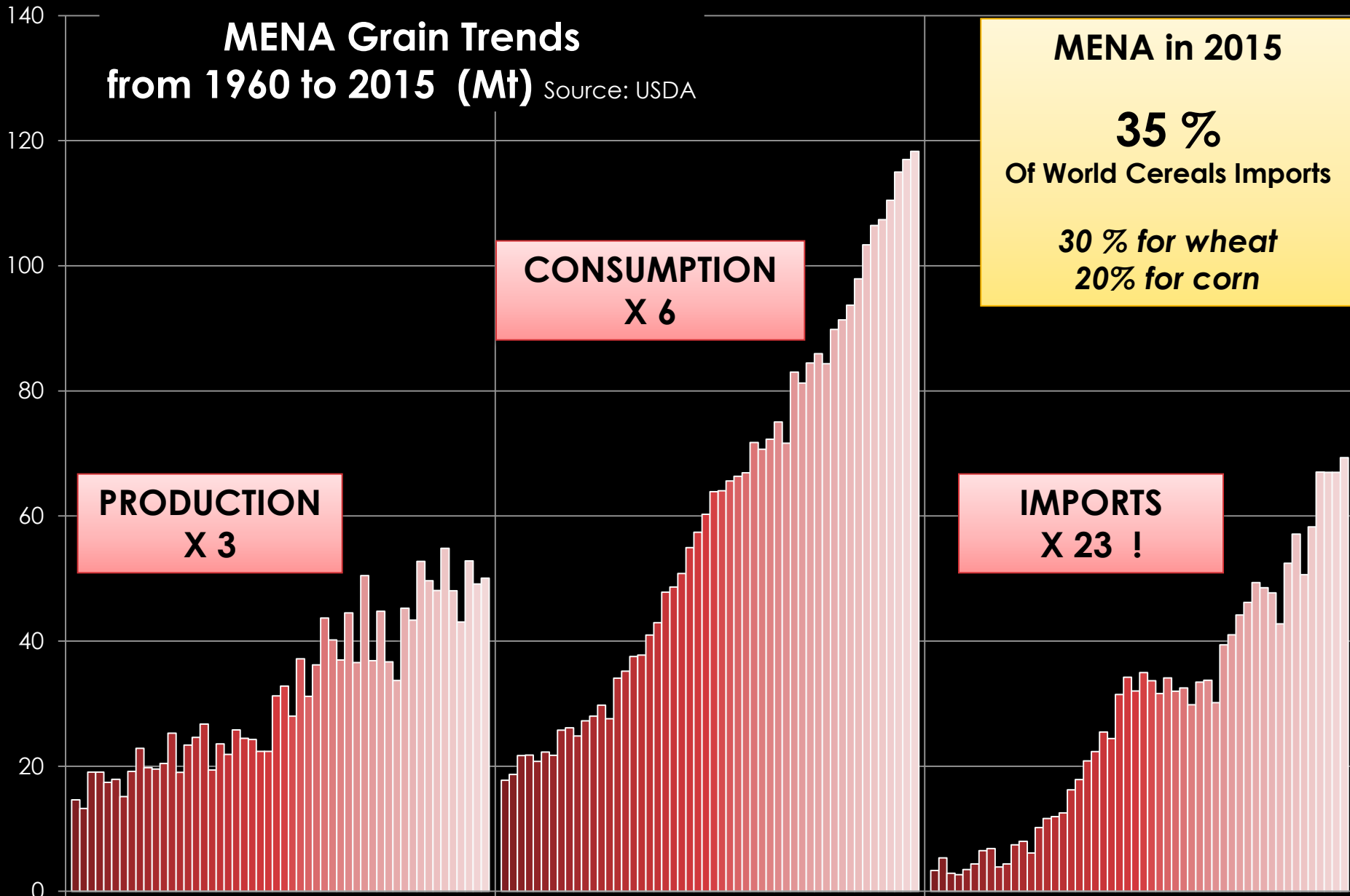


Source : FAOSTAT, 2015
Carto n° 31, 2015 © Areion/Capri



MENA Grain Trends from 1960 to 2015 (Mt)

Source: USDA



MENA in 2015

35 %

Of World Cereals Imports

30 % for wheat

20% for corn

PRODUCTION
X 3

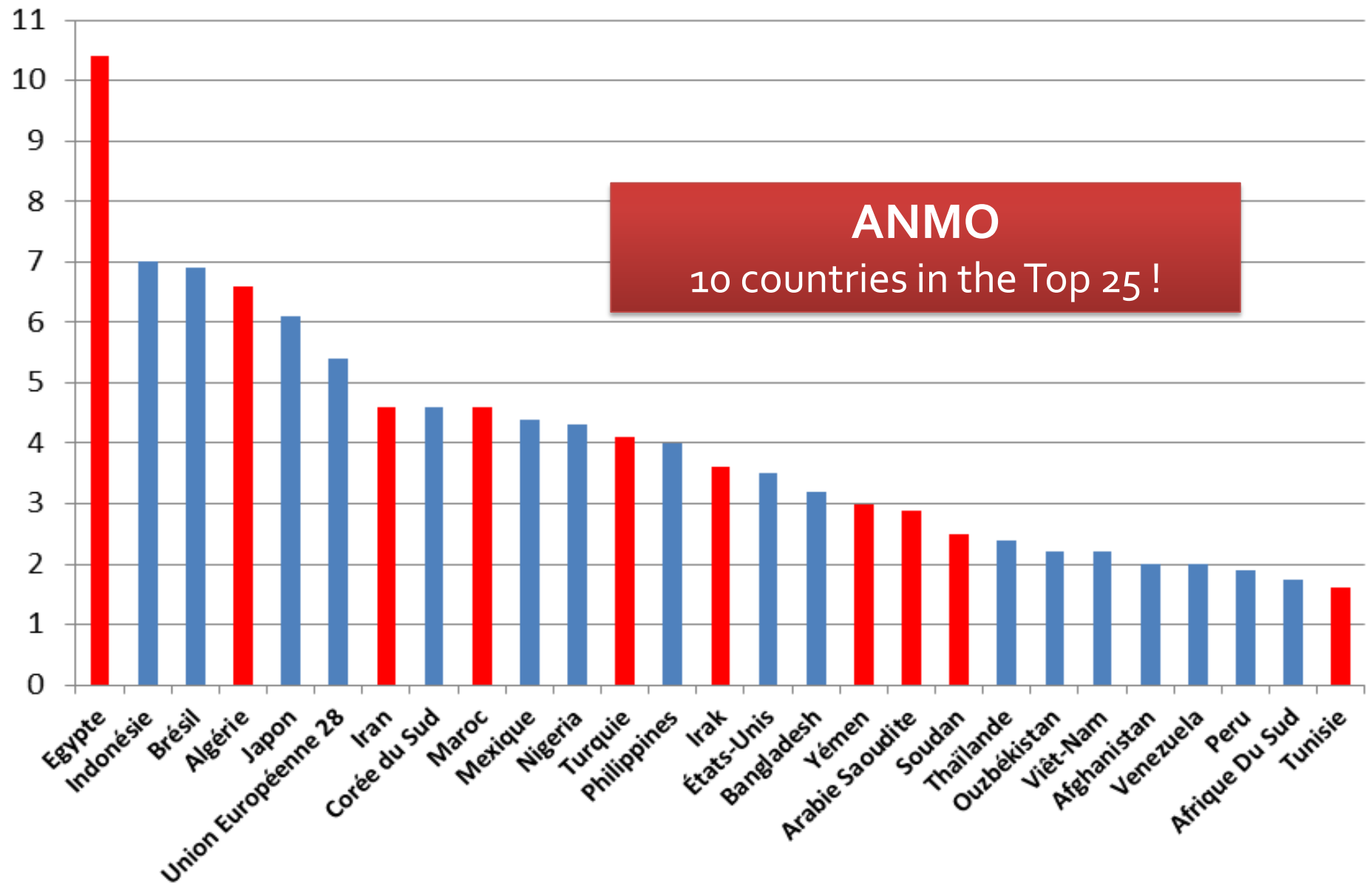
CONSUMPTION
X 6

IMPORTS
X 23 !

50 MT producted but 120 MT consummed
Need to find 70 Mt in the Markets

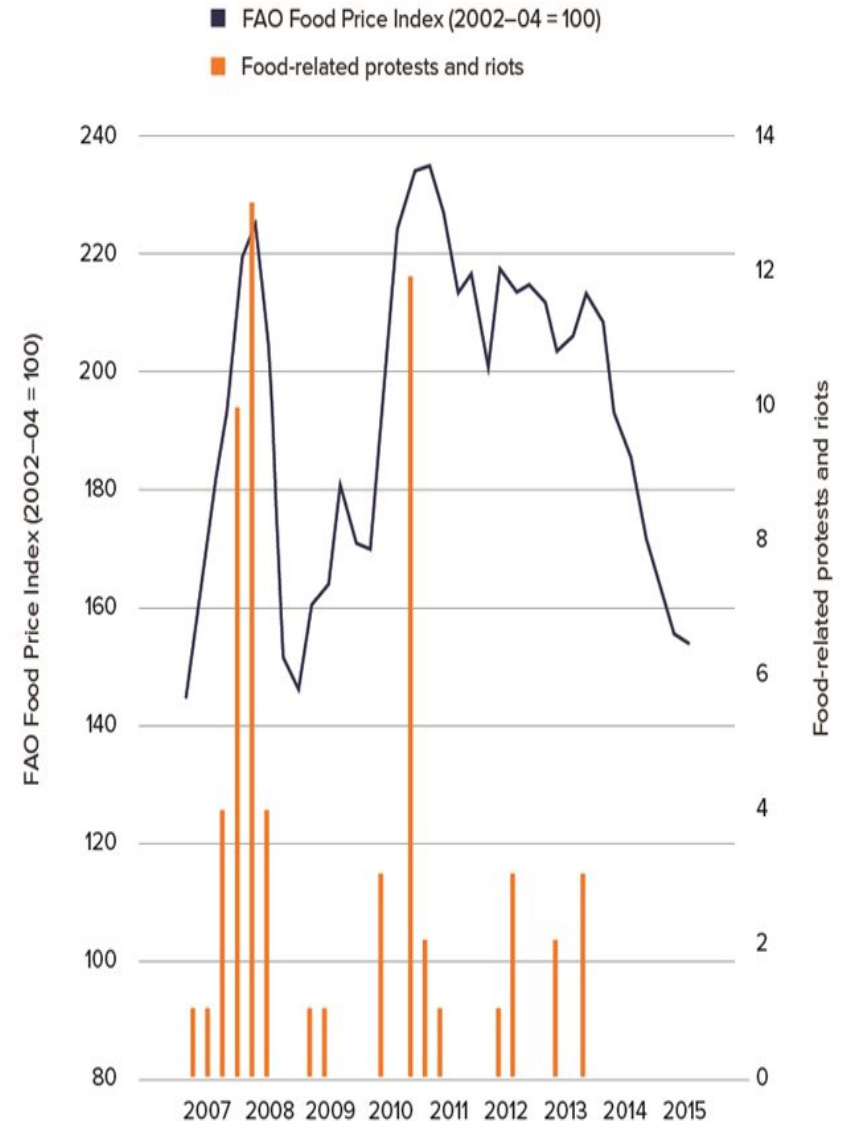
Major Wheat Importers

(In MT, annual average from 2010/11 to 2015/16, from USDA)



The end of the social contract ?

- Wheat and the Mediterranean Diet
- Bread is « Life »
- 30-50% of monthly budget to food expenses
- Food Subsidies = Buying social stability
- Inflation, reforms, shortages...
- ...uprisings, revolutions
- « Bread, Freedom and Social Justice »
- MENA = 30-40 Billion in Food Subsidies
- But expensive and inefficient system
- Bread: still vital product for the security ?



EGYPT Domestic Utilization and Production in the 21st Century (Source: AMIS)

25

20

15

10

5

0

Production Utilization

22 MT

Imports
12 MT

9 MT

92 M

13 MT

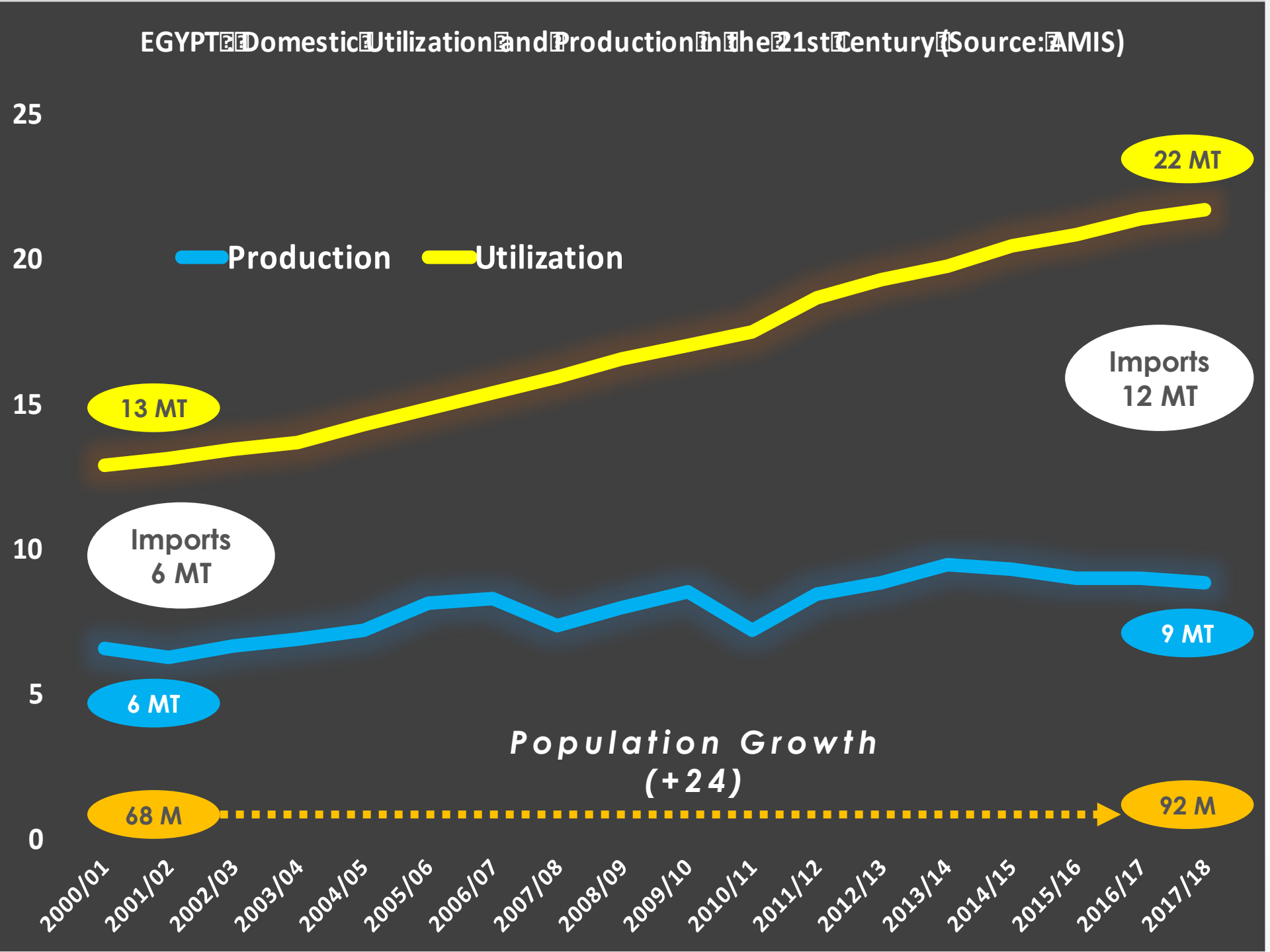
Imports
6 MT

6 MT

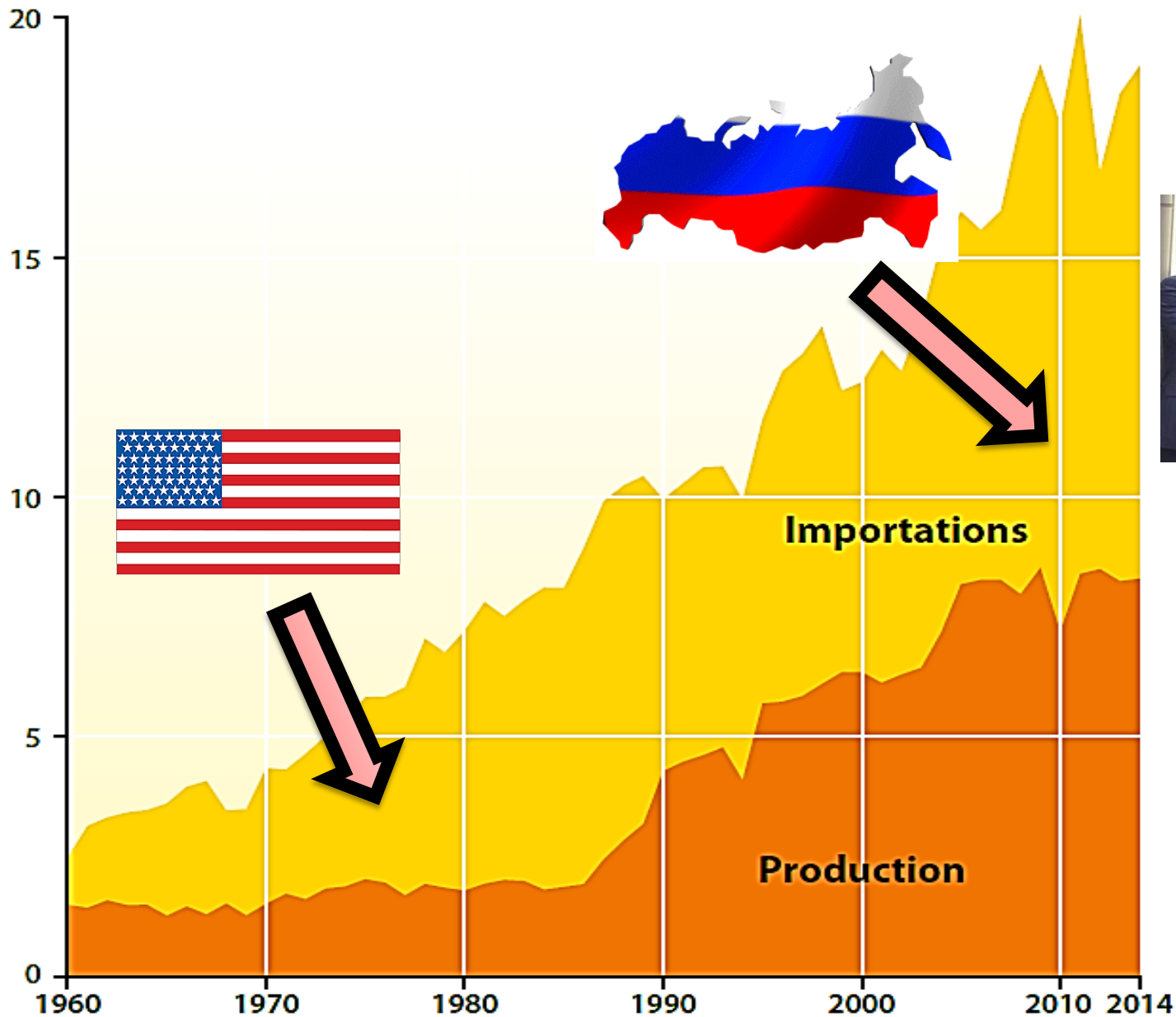
68 M

Population Growth
(+24)

2000/01 2001/02 2002/03 2003/04 2004/05 2005/06 2006/07 2007/08 2008/09 2009/10 2010/11 2011/12 2012/13 2013/14 2014/15 2015/16 2016/17 2017/18



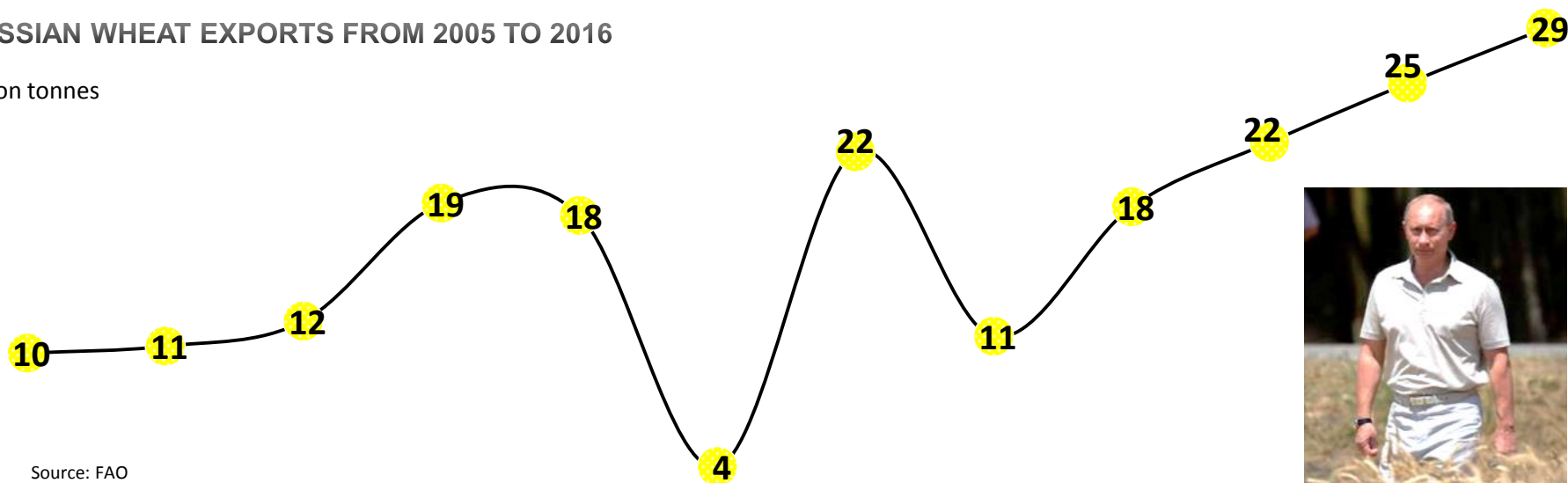
Wheat in Egypt: from Cold War to Grain Peace ?



The Russian (Wheat) Power

RUSSIAN WHEAT EXPORTS FROM 2005 TO 2016

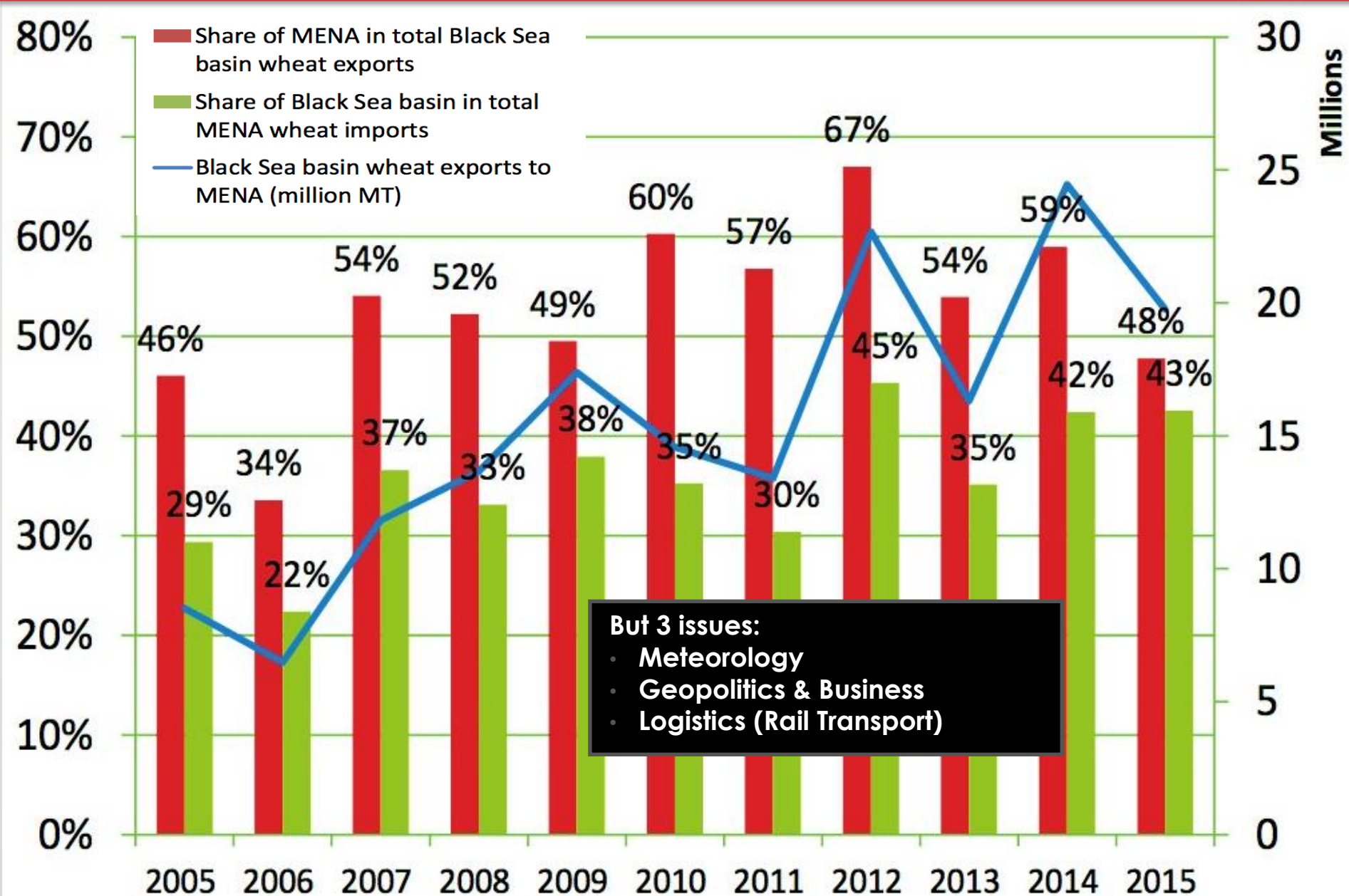
Million tonnes



2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

1	United States	United States	United States	United States	United States	United States	United States	United States	United States	EU	EU	Russia
2	Canada	Canada	Canada	EU	EU	EU	Australia	EU	EU	Canada	Russia	EU
3	Australia	EU	Russia	Russia	Canada	Australia	Russia	Australia	Canada	United States	Canada	United States
4	EU	Australia	EU	Canada	Russia	Canada	Canada	Canada	Russia	Russia	United States	Canada
5	Russia	Argentina	Argentina	Australia	Australia	Argentina	EU	Russia	Australia	Australia	Australia	Australia
6	Argentina	Russia	Kazakhstan	Argentina	Kazakhstan	Kazakhstan	Argentina	Argentina	Kazakhstan	Kazakhstan	Argentina	Argentina
7	Kazakhstan	Kazakhstan	Australia	Kazakhstan	Argentina	Russia	Kazakhstan	Kazakhstan	Argentina	Argentina	Kazakhstan	Kazakhstan

Black Sea and MENA Region: The « Wheat Momentum »



« Syriaq » : Understanding ISIS Objectives



WATER

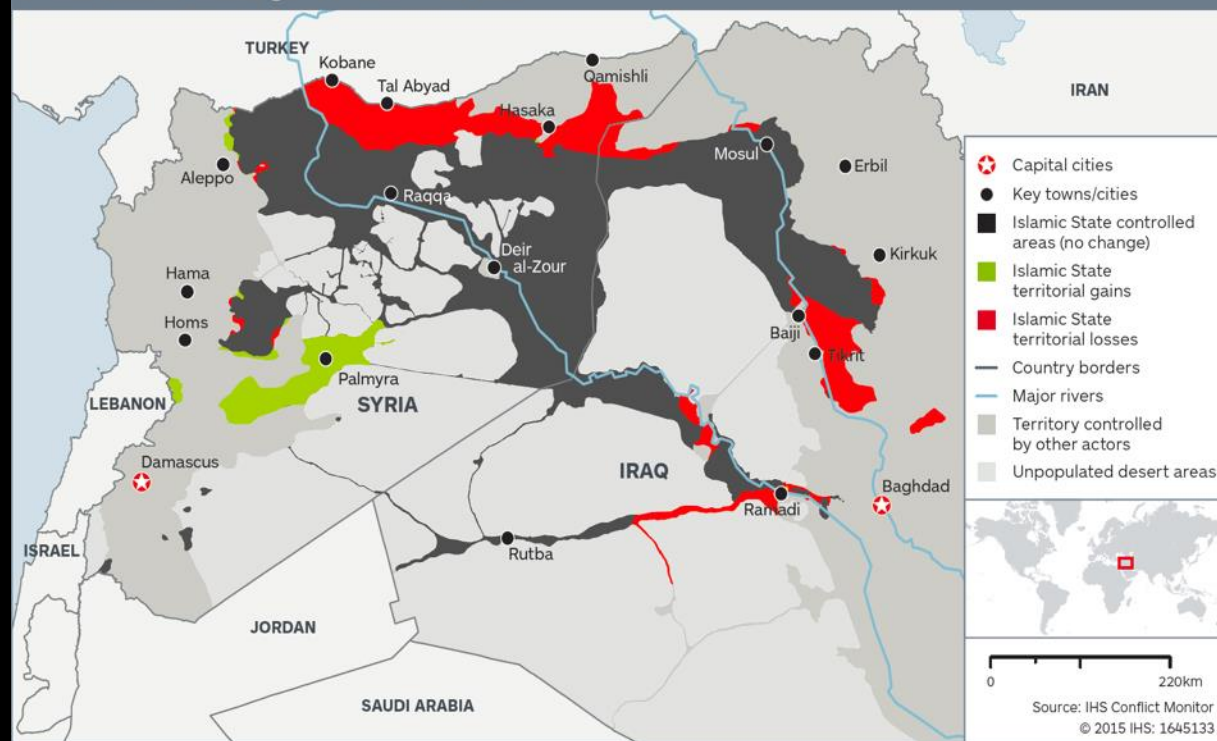


OIL



WHEAT

Islamic State territorial gains and losses in 2015



**Strategic and bankable
Resources**

2016: Morocco facing drought



Climate Change and Volatility

Managing Drought and Water Scarcity

Decrease of 80% for Wheat Production

More Imports, especially from Black Sea

Resilience thanks to The Moroccan Green Plan

COP22 & Africa (Food and Agricultural Diplomacy)

GRAIN Markets



MED-AMIN

Mediterranean Agricultural Markets Information Network



- **Launched in 2014** following the request of the CIHEAM Member Countries.
- It aims at fostering cooperation and experience sharing among the national information systems on agricultural markets
- It is dedicated in a first stage to **cereal products** (wheat, corn, barley, and rice)
- This network will operate in relation with the secretariat of the multilateral initiative **AMIS** (Agricultural Markets Information System) based in Rome, with FAO, and with the European Commission.

PART 3

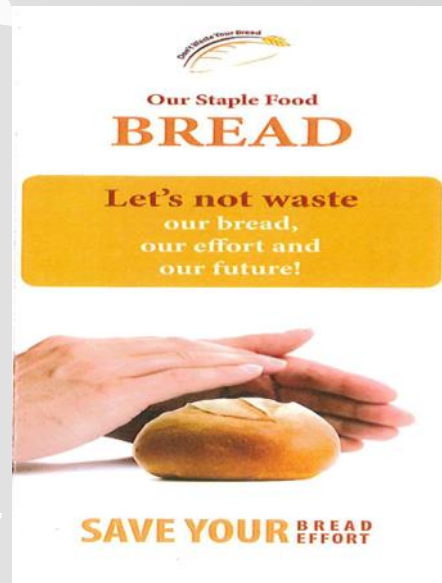
A faint, light gray world map is visible in the background of the slide, centered behind the text.

Foresight considerations **in an uncertain future**

Avoiding Waste in the Mediterranean

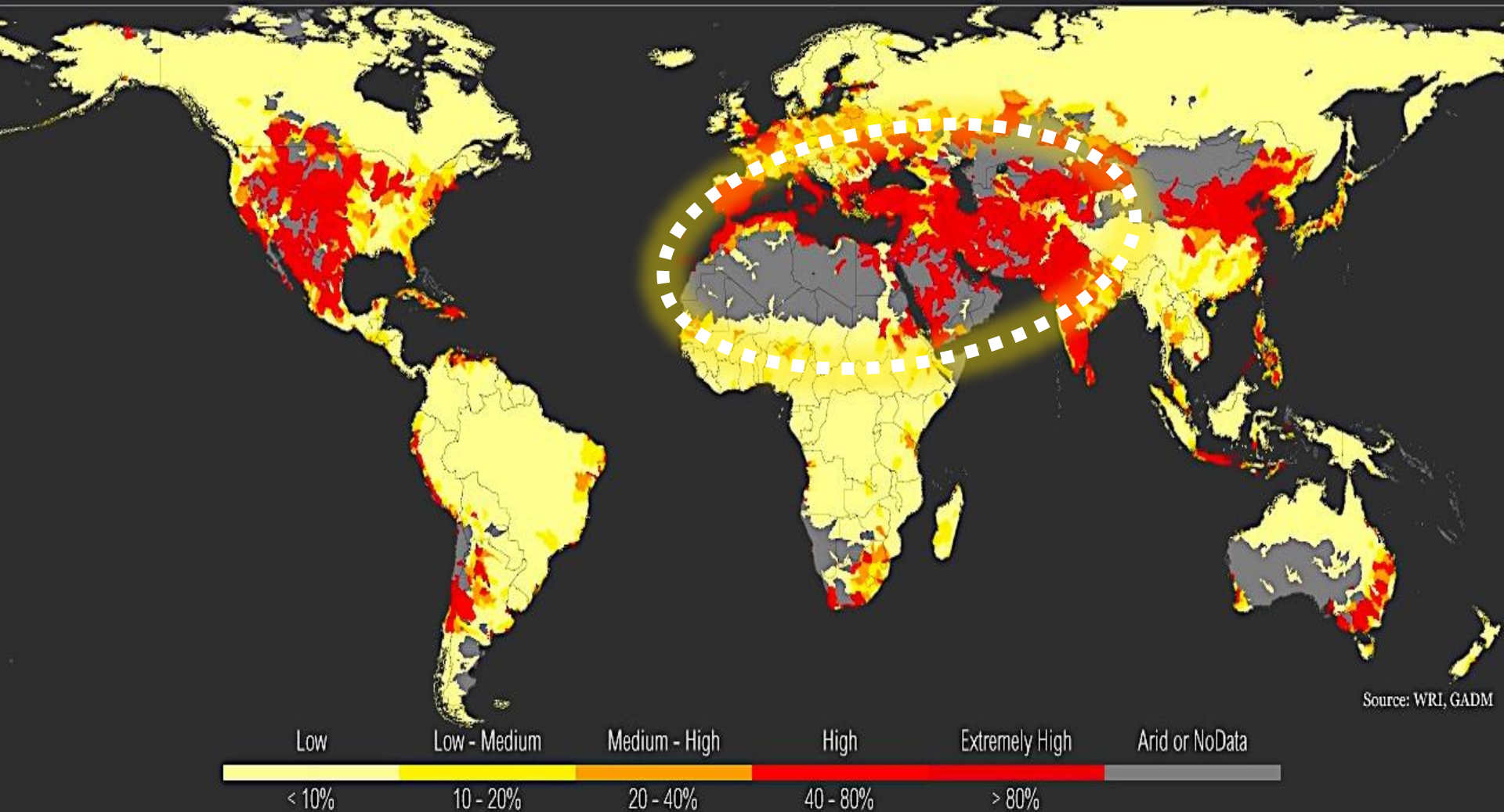
- Production
- Food Chain
- Transport and Logistics
- Consumption
- Corruption !
- Knowledge
- Biodiversity

**Integrated
Approach**

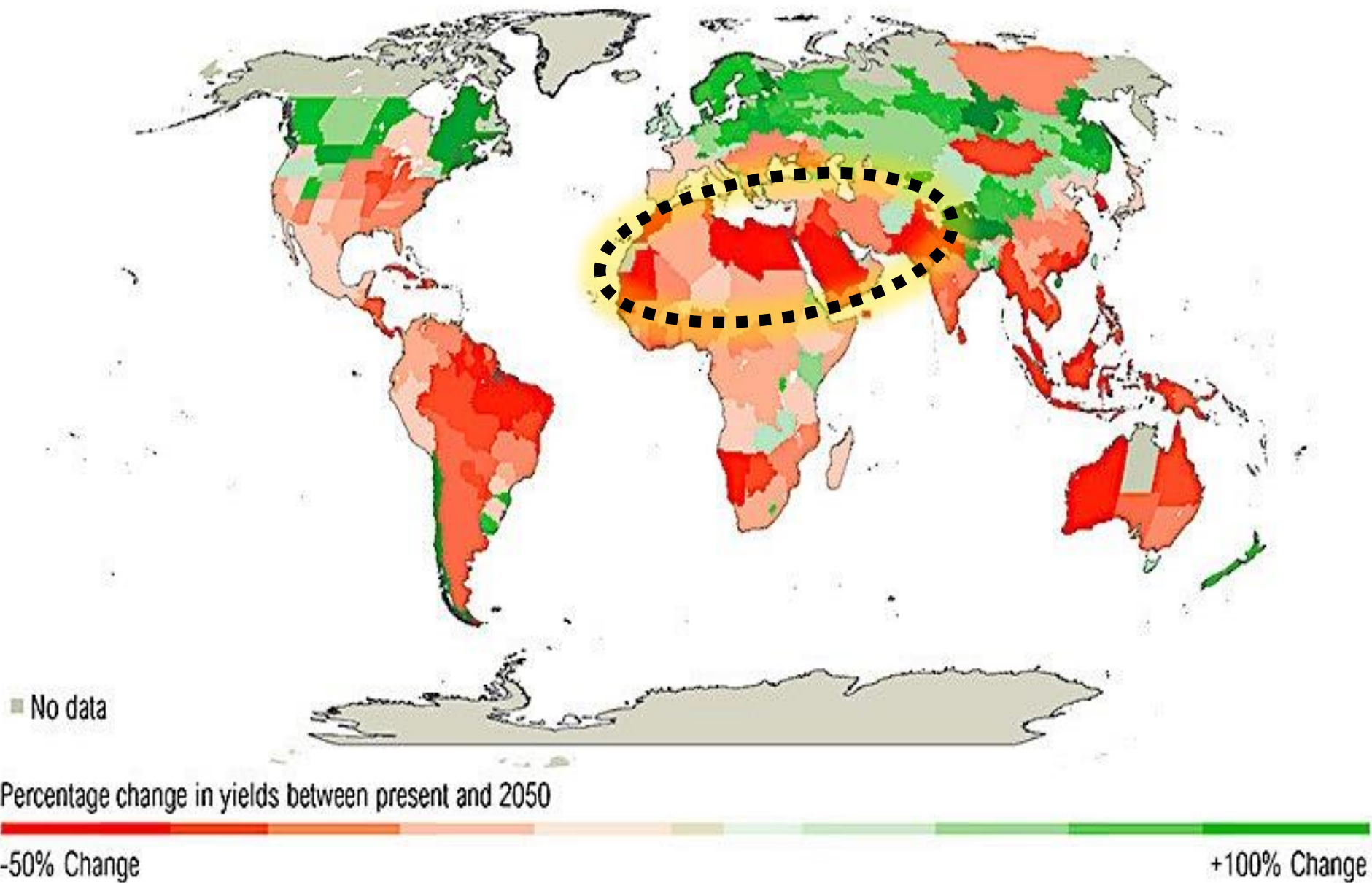


Water Stress in 2050

in a business as usual scenario



Climate Change in 2050





**Food security,
conflict and international
migration**

Trading Food : more than ever strategic !



Growing gap between the regions where the food needs are increasing and the regions able to produce in agriculture

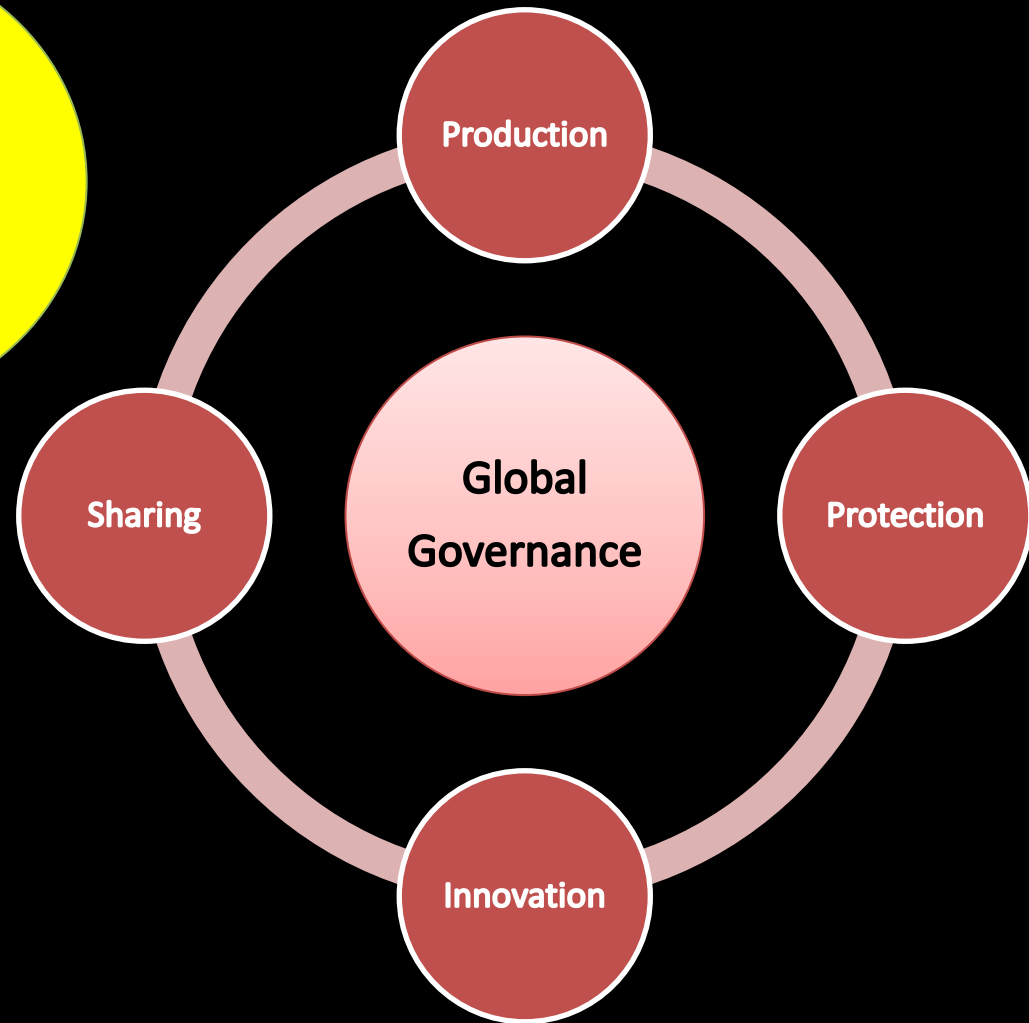
**Sustainability
&
Agenda
post-2015**

2010

15% of world population depend on the international Markets for their food

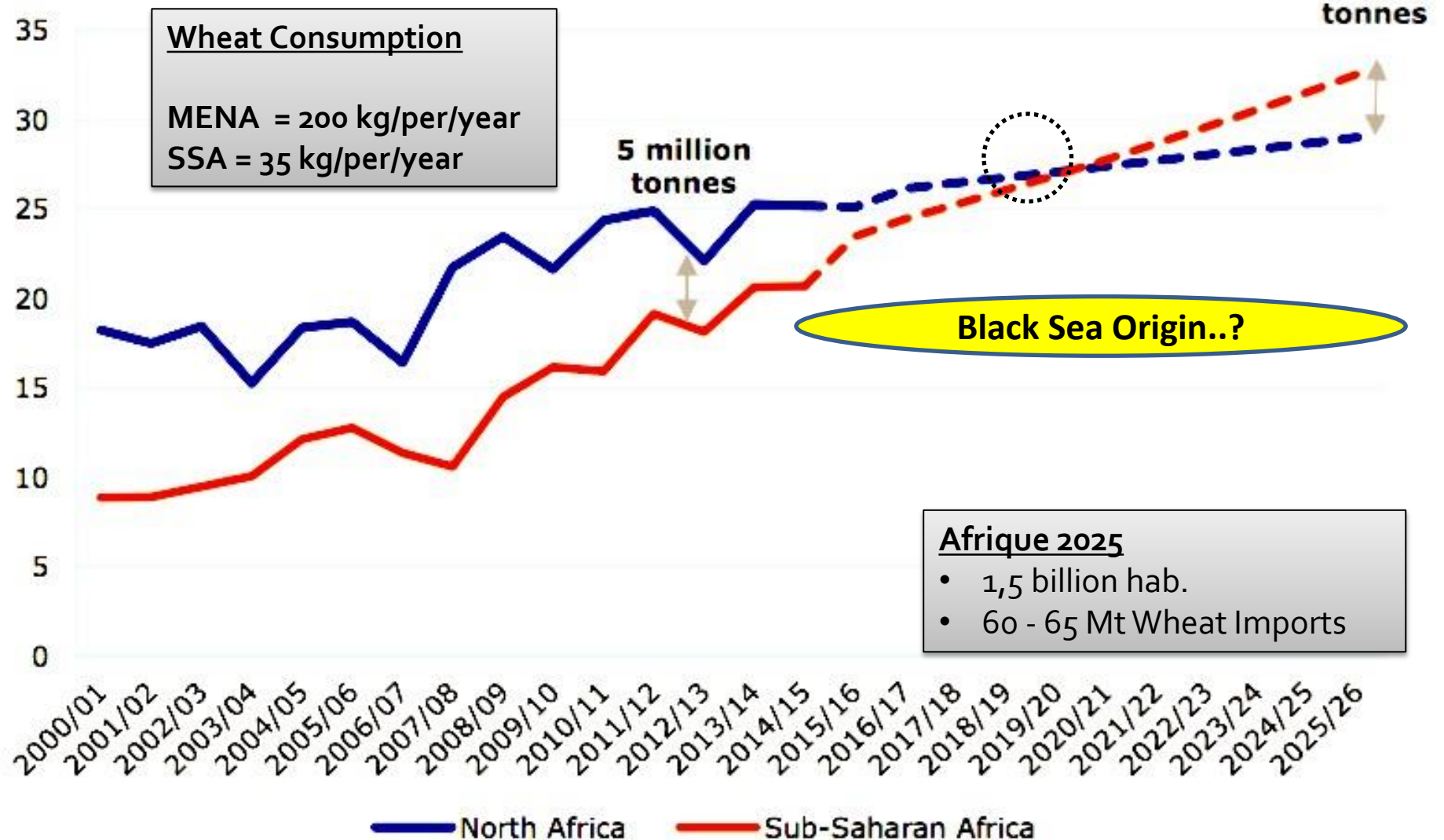
2050

The ration should be 40-50 %



Beyond MENA...The African Challenge !

million tonnes

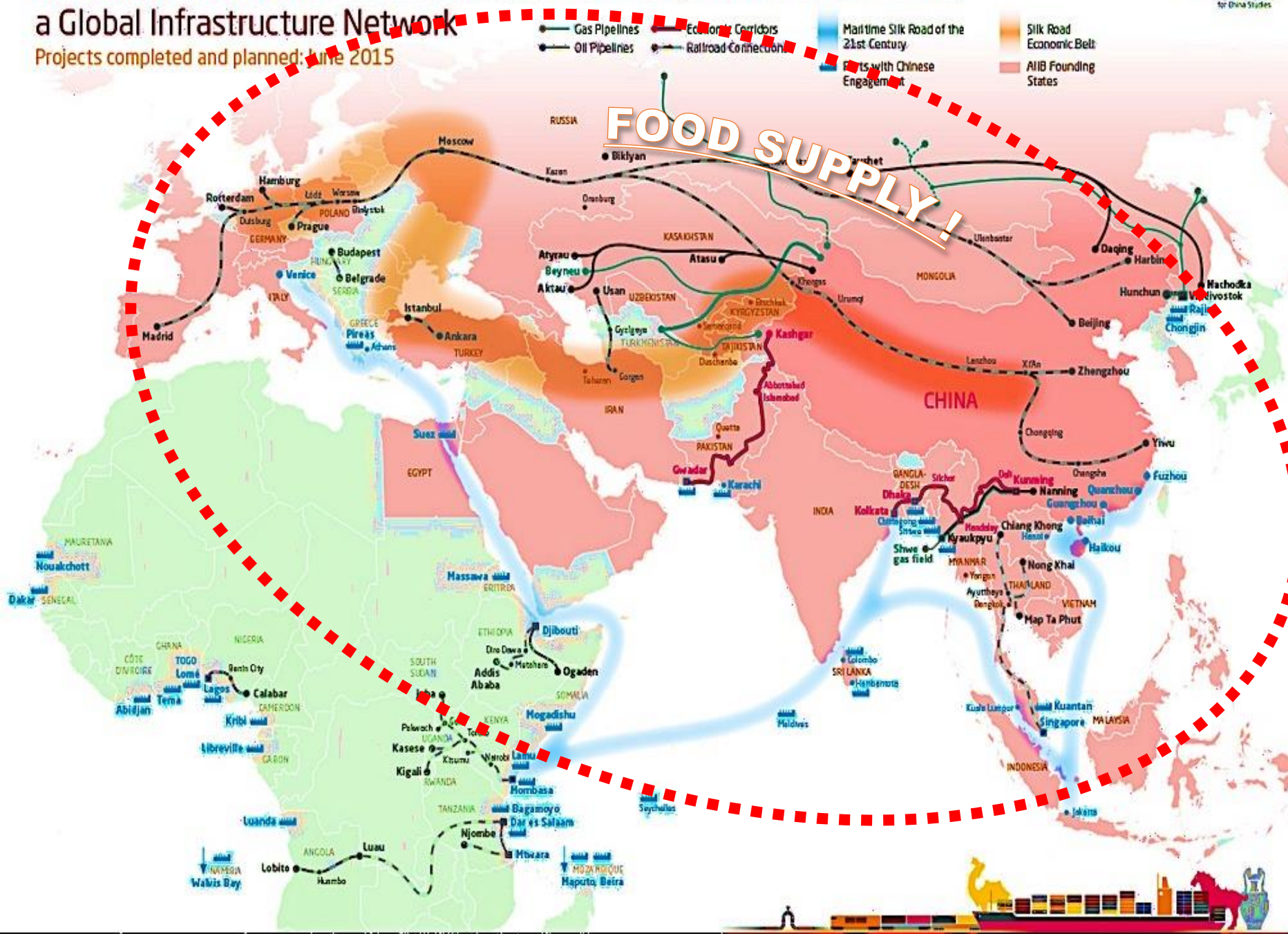


Africa : Food Monopoly & Risks associated to Scarcity



One Belt, One Road: With the Silk Road Initiative, China Aims to Build a Global Infrastructure Network

Projects completed and planned: June 2015



Towards the Future

- *Hierarchy of Grain Powers*
- *Trust between the stakeholders*
- *Quantity and Quality*
- *Profile of importers (public or private sector)*
- *Stocks location*
- *Transport Risks in the age of interdependance*
- *Climate Change pressures*
- *Research & Innovation*
- *Trade and Cooperation*

A solid red circle with the text "Geopolitical Issue" centered inside it.

*Geopolitical
Issue*

A solid blue circle with the text "Smart Power" centered inside it.

Smart Power

Europe – Mediterranean – Africa

Food Trade and Agricultural Development

**Responses
to Resources
Threats**

**Securing
supplies**

**Managing
Volatility**

**Diplomacy
and
Cooperation**

**Research
and Training**



Europe post-2020: no more CAP ?



Thanks !



SÉBASTIEN ABIS

Géopolitique du blé

Un produit vital
pour la sécurité mondiale

GAGNANT 2017
du prix du meilleur livre de géopolitique
jeune auteur EDF/Conflits

ARMAND COLIN


IRIS
éditions



SÉBASTIEN ABIS
MOHAMMED SADIKI

Agriculture et climat

Du blé par tous les temps

Max Milo


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