



**C.E.P.M.**



European Confederation of Corn Production



**CDG FOR ARABLE CROPS**  
*5th March 2021*



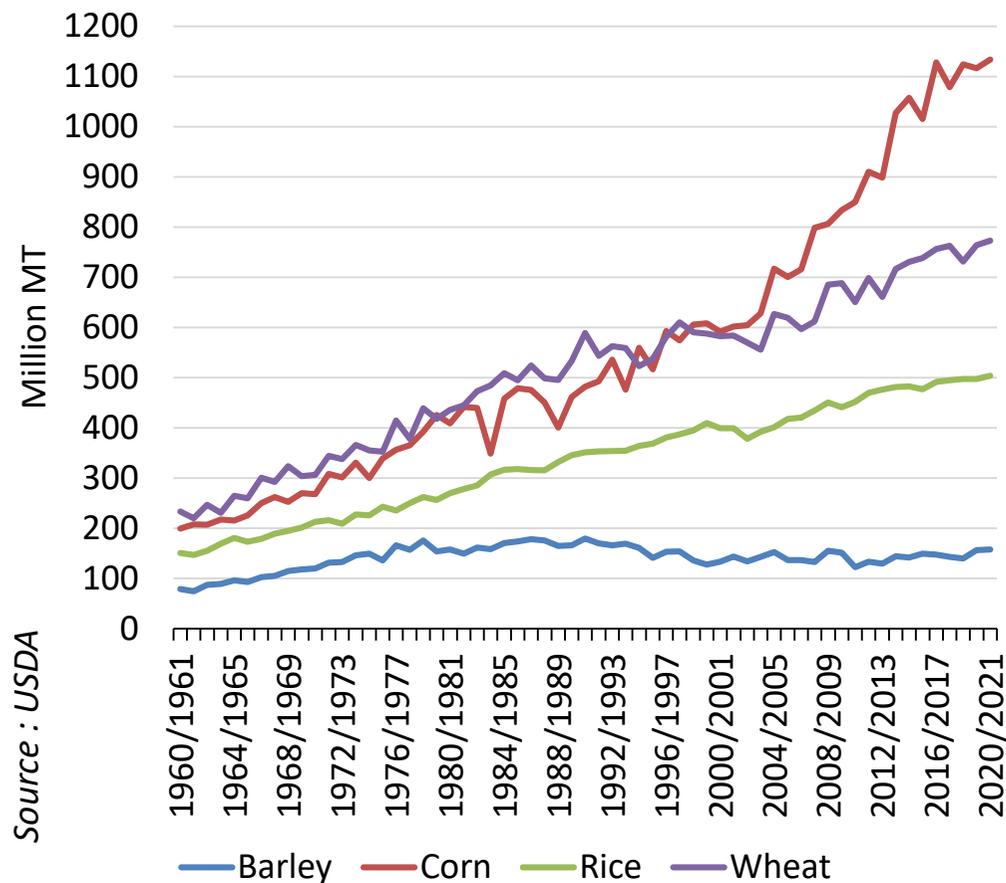
**Céline IMART**  
*C.E.P.M. Delegate*



CEPM  
maizEUROP

# The world's first cereal

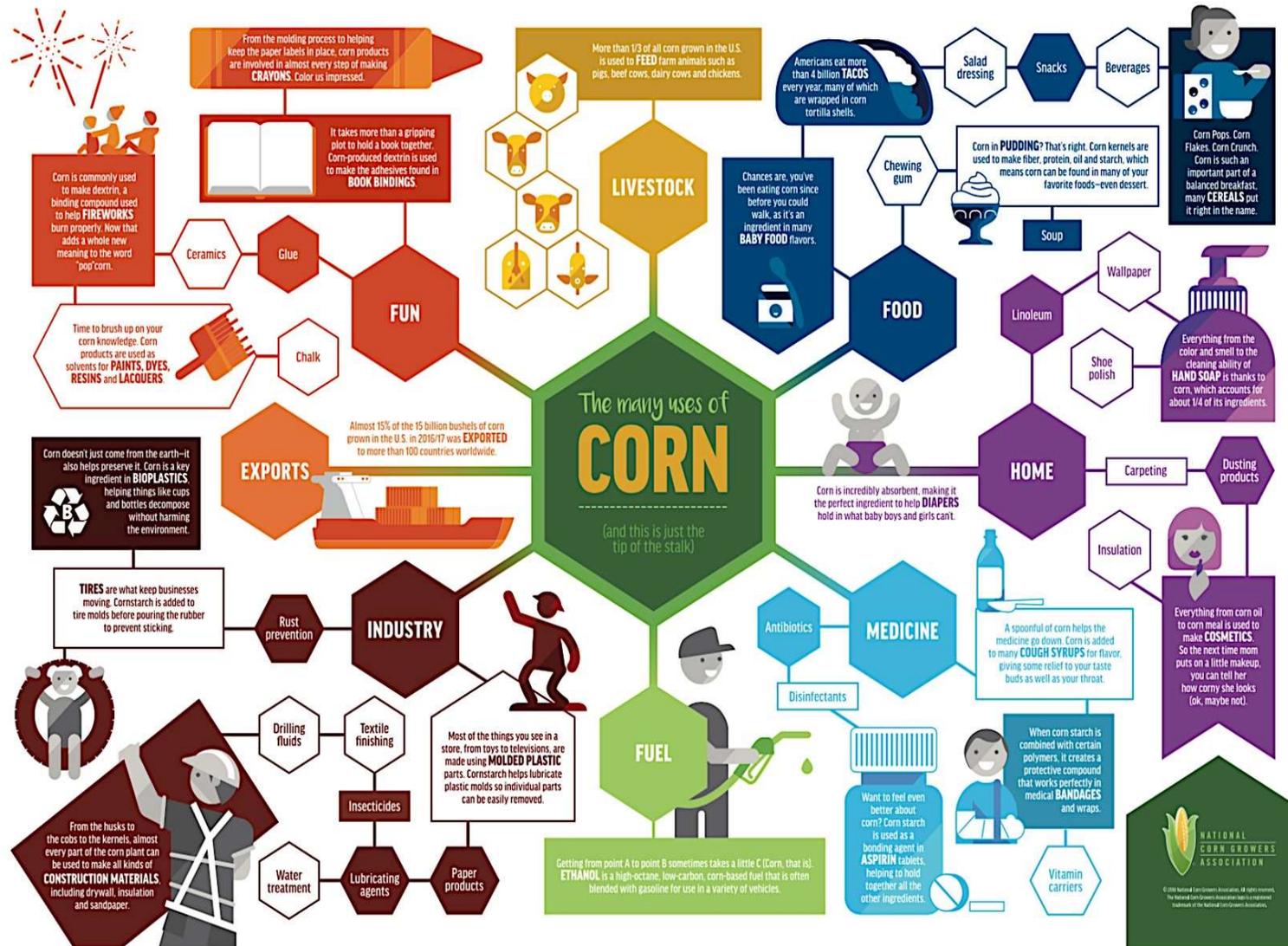
World production



Source : USDA

- World production exceeds one billion tonnes per year and has almost doubled in 20 years.
- Accompanying the growth of the world population overall, and the growth of the world's middle class (meat consumption).

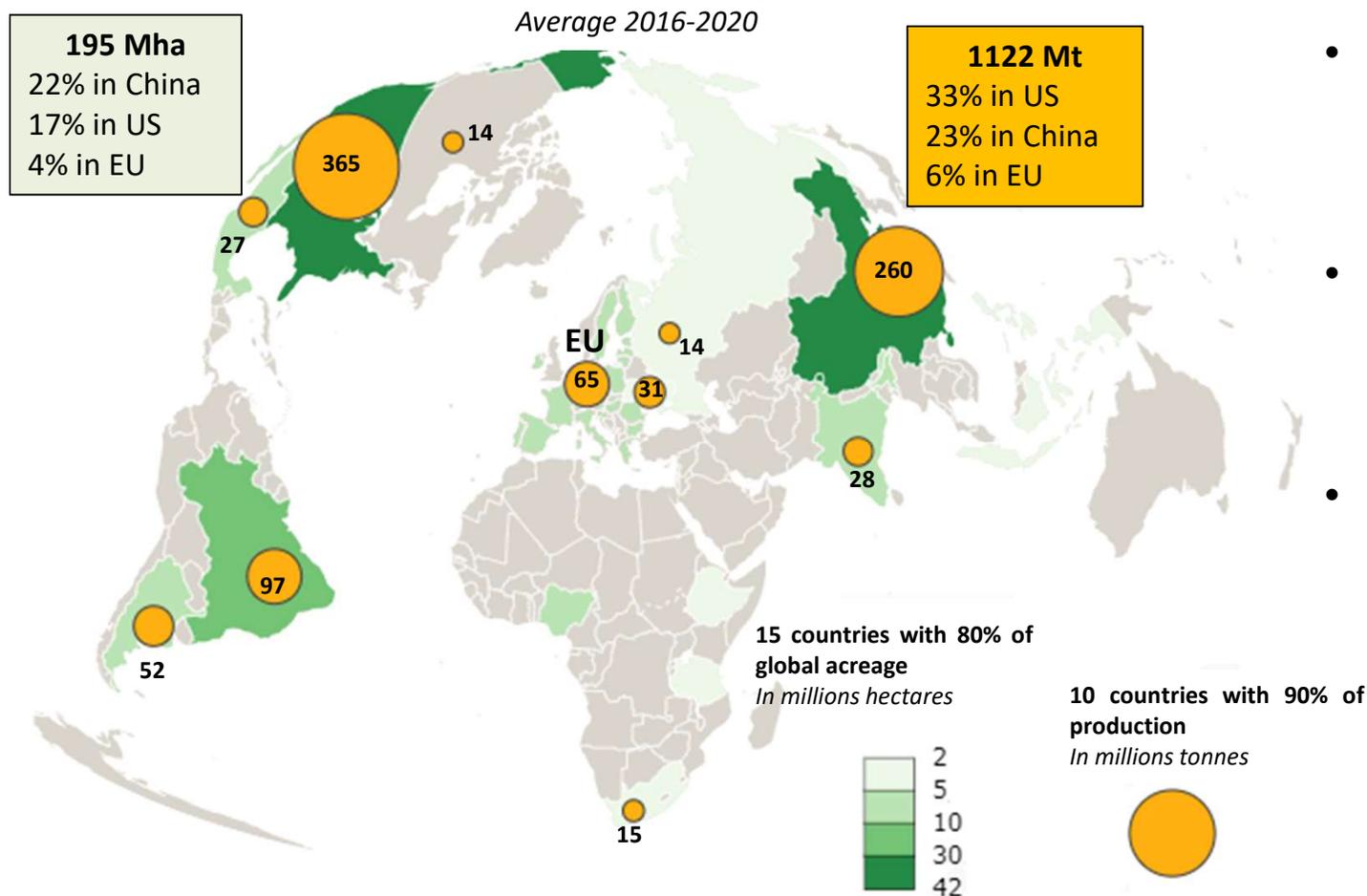
# Many uses



- Animal feed
- Human food
- Biofuel
- Biomaterials
- ....

# Overview of global maize production

## Maize : main countries in acreage and production



- Some 50 countries have significant maize acreage.
- 15 countries account for 80% of the world's acreage
- 10 countries account for 85% of world production

# Concentrated global trade

## Maize: exports and imports

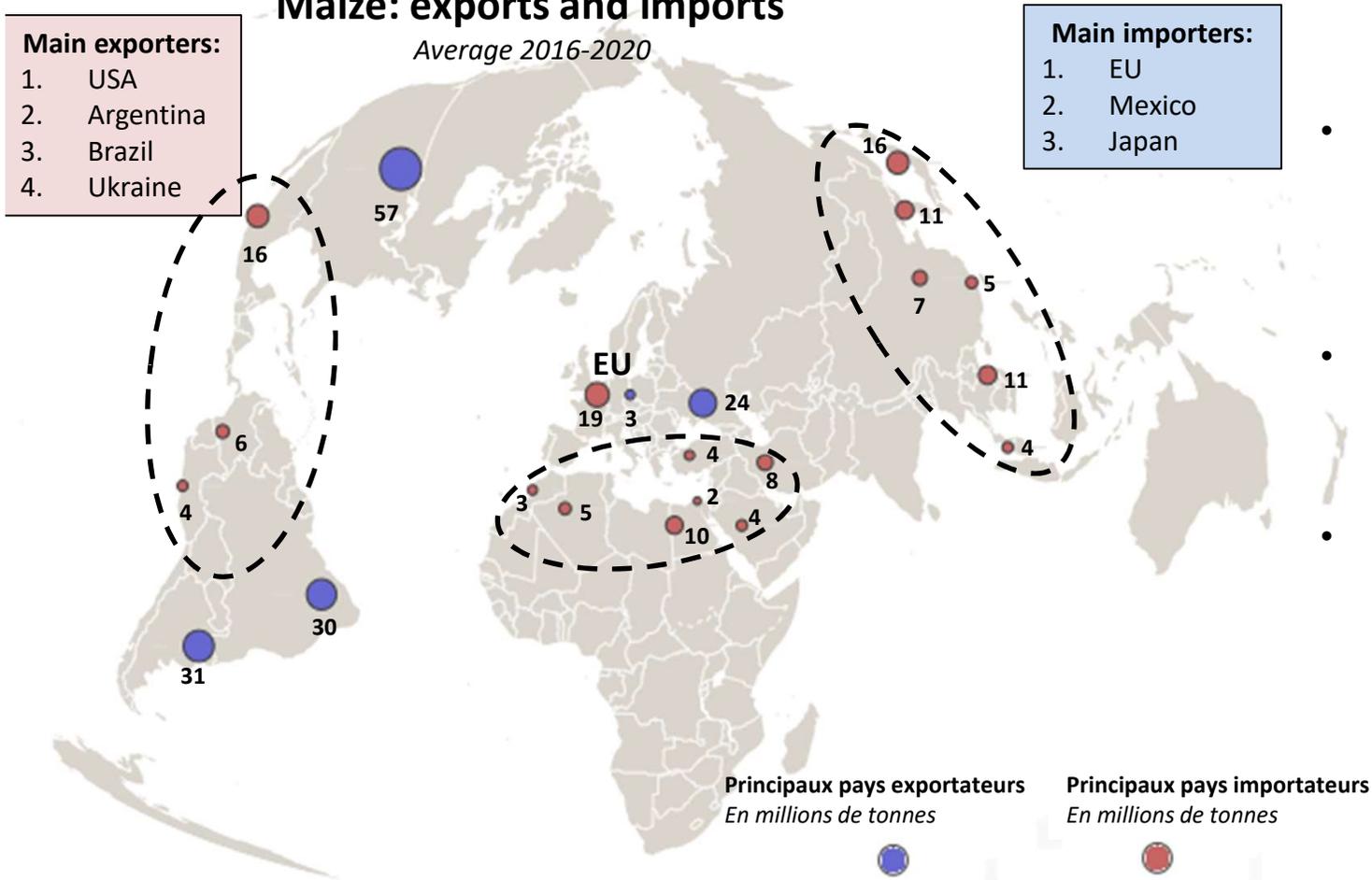
Average 2016-2020

### Main exporters:

1. USA
2. Argentina
3. Brazil
4. Ukraine

### Main importers:

1. EU
2. Mexico
3. Japan

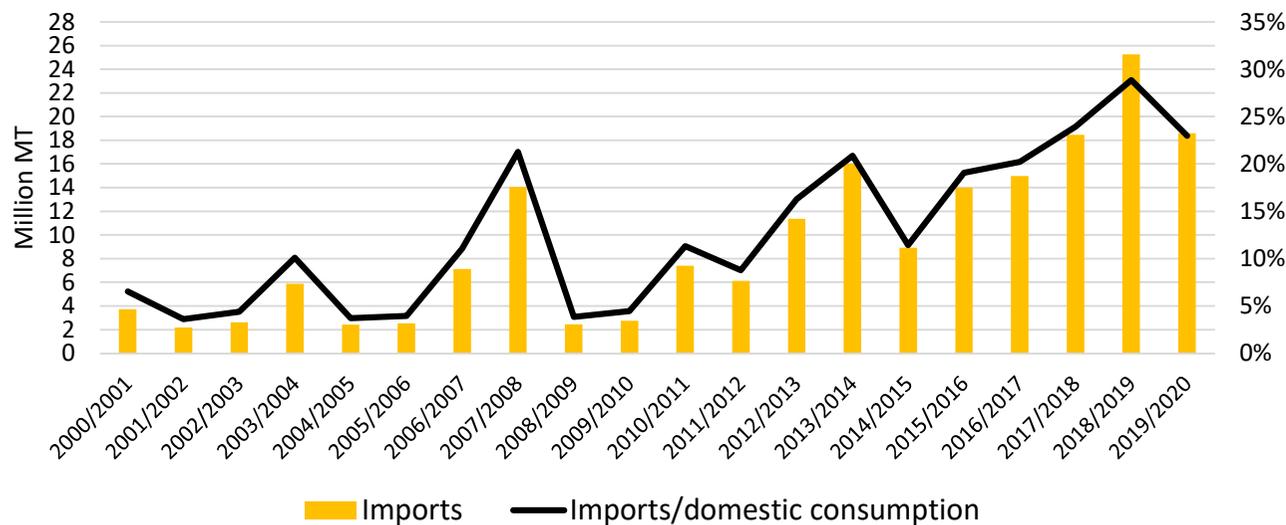
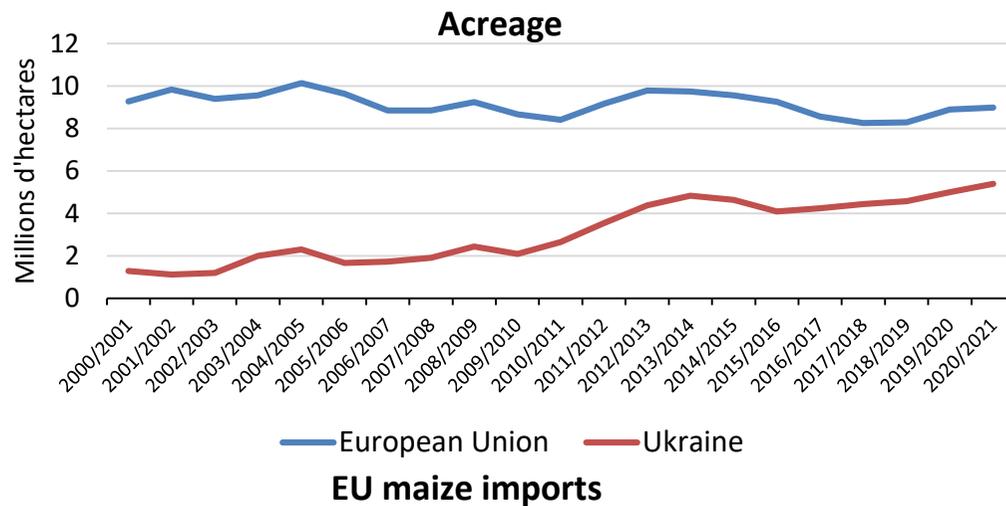


Principaux pays exportateurs  
En millions de tonnes

Principaux pays importateurs  
En millions de tonnes

- 2nd most traded cereal after wheat (about 15% of world production). A growing trade.
- 4 exporters account for about 90% of world exports
- 4 major import areas (90% of world imports) :
  - European Union
  - Asia Pacific
  - Mediterranean-Middle East
  - Latin America

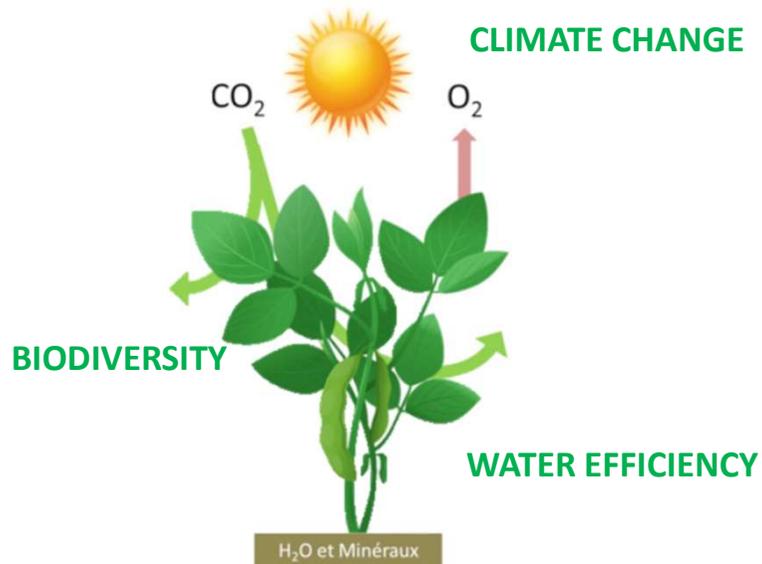
# European Union: top global importer



- Growth of production in the Black Sea area (Ukraine) which is competing with European producers :
  - Production x 10 in 20 years
- Massive competitive distortions :
  - Lower production costs
  - Access to means of production banned in the EU
- EU: acreage declining and imports increasing

# What is maize?

SOIL PROTECTION



## ■ A very effective plant in C4

- ▶ + CO<sub>2</sub> capture
- ▶ High biomass production
- ▶ Restitution of residues to the ground

➔ 1ha = 20 tons of biomass, of which 50% grain et and 50% stems and leaves, without counting the roots!

# How is maize used ?

## MAIN OULTETS IN THE EU



### Human food

Sweet Corn 460 KT

Pop Corn maize : ~70 KT

Semolina/flour and starch: 5 MT



### Animal feed

Silage : 247 MT

Corn : 62 MT



### Alternative to fossil fuel

Energy/ biofuel : 6 MT

Methanisation : 51,3 MT

biomaterials (starch-based) : 5 MT