

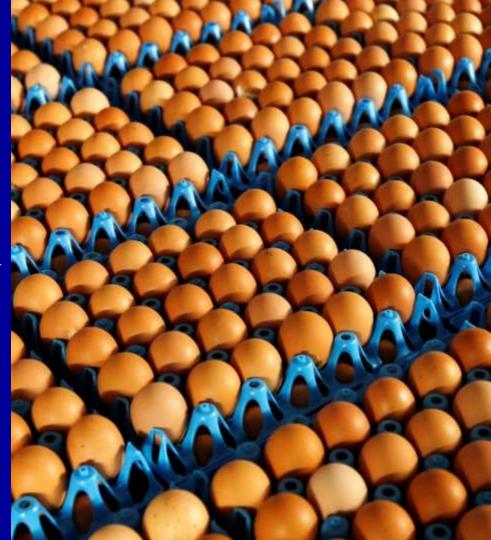
### Content

### Outlook for the global and European egg industry

- 1. Global egg market outlook
- 2. European egg outlook
- 3. Long term investment perspective

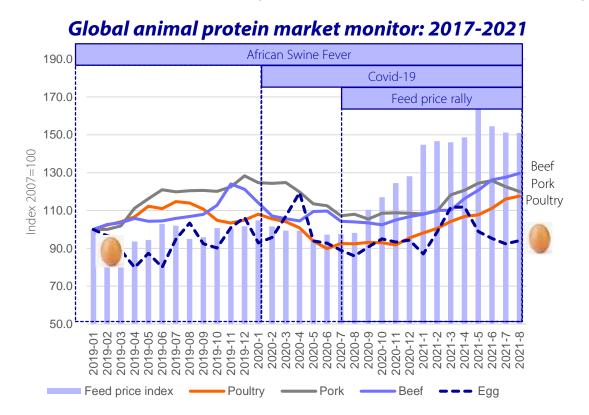


Global egg market outlook

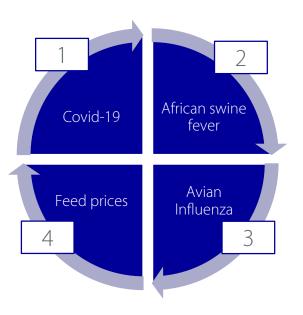


#### Global markets

#### Global market recovery has started but via a bumpy road

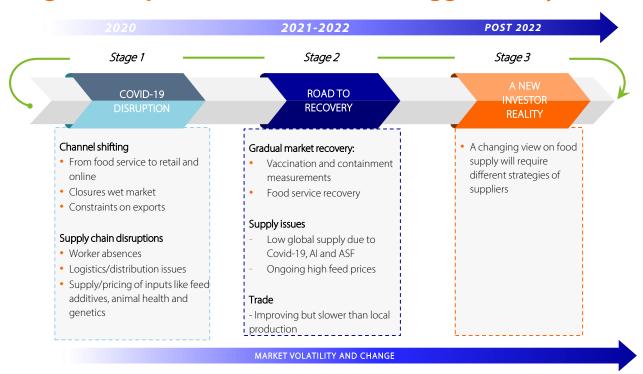


#### **Key factors 2021 outlook**



### 1. Covid-19 impact on industry

Three stages of impact of Covid-19 on the egg industry



Source: Rabobank, 2021

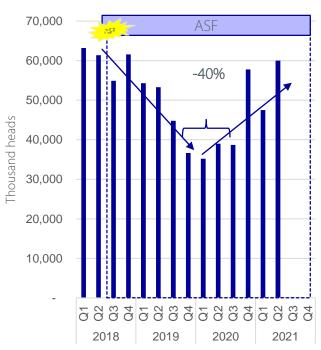
### 2. ASF in the pork industry

#### Recovery in China pork supply after 2018 40% drop, falling prices

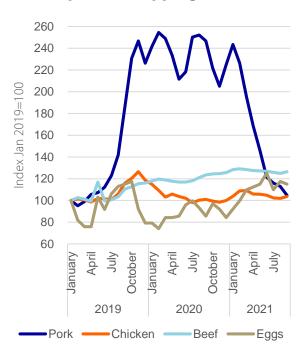
#### ASF in Asia in June-Aug ongoing pressure China's pork production: H1:+35%



Source: Rabobank analysis, 2021



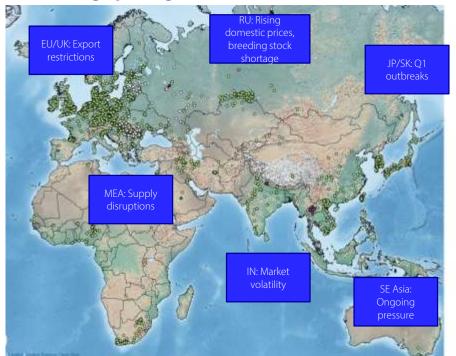
#### China prices: dropping



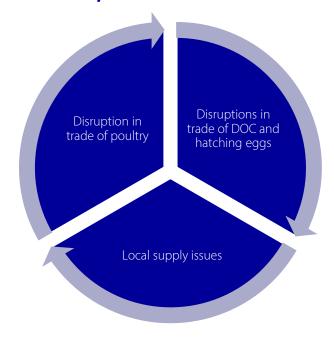
### 3. Avian Influenza will keep disrupting the industry

Big local impact on supply and trade in Europe, Africa and Asia





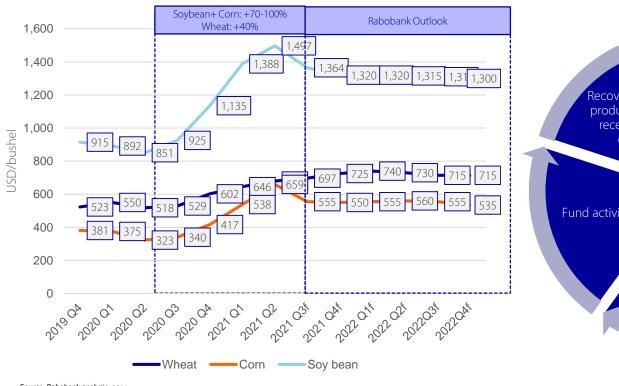
#### **Impact on markets**

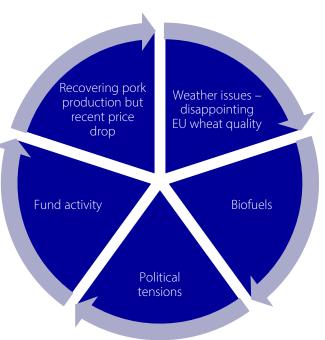


### 4. Global feed price rally in 2020/21

### Prices expected to stay high and volatile until deep 2021

#### **Rabobank Grains and oilseed price outlook**

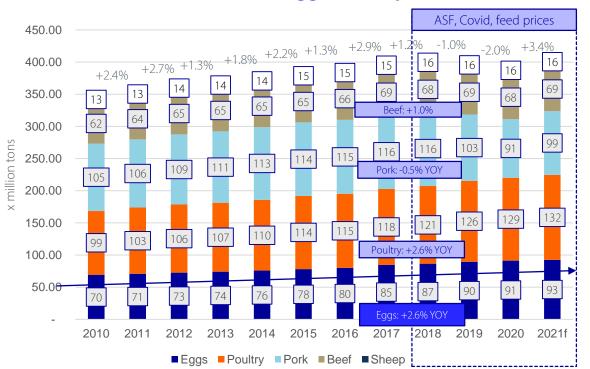




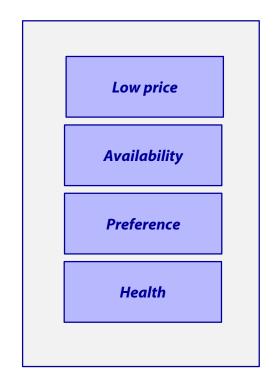
### Eggs is the winning protein worldwide

Egg consumption is rising and is on its way to become second protein

#### Global meat and egg consumption 2010-2021f

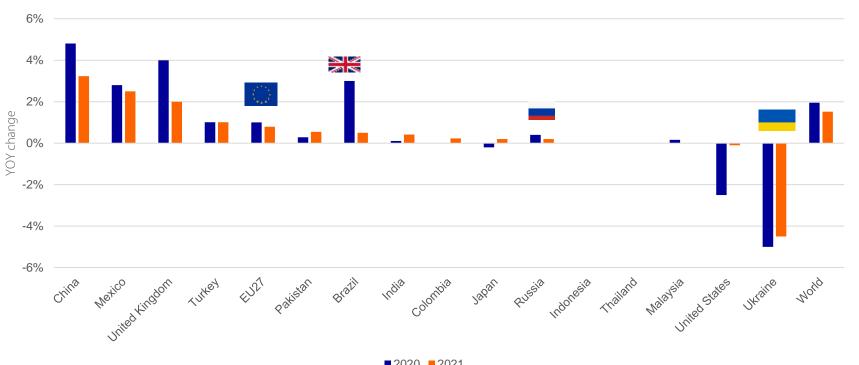


#### **Drivers for growth eggs**



### **Egg industry still growing: 2020 +1.9%, 2021: +1.5%** Strong egg demand during Covid-19 crisis in most countries, trade challenged

Worldwide Egg production growth by country in Covid-19 years 2020 and 2021



### EU and global market outlook

Improved performance but ongoing risks, supply discipline is key



#### **Global trends**

Global demand

To grow by 1.5%, Europe: 1%

**Peformance**: Improved conditions worldwide, EU supply discipline will be key

Covid-19 recovery via a bumpy road

Avian influenza: Ongoing business risk in EMEA/APAC

Ongoing high feed costs: Working capital issues

**Labor and logistics** issue will disrupt markets

Rabobank

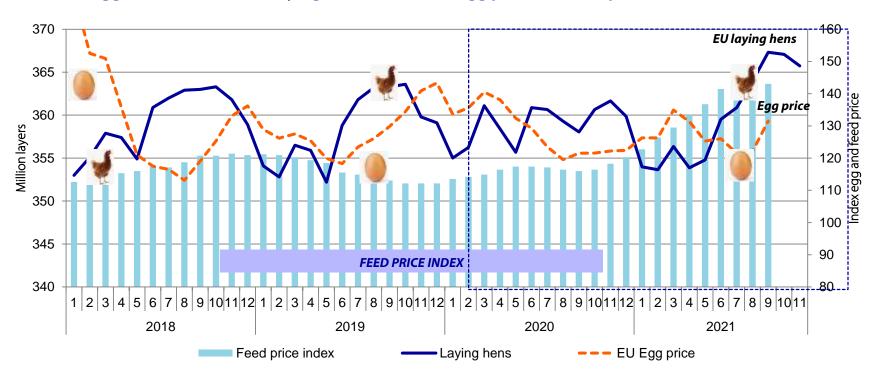
# EU egg market outlook



### EU Egg market in 2021: Supply concerns

Improved conditions in Q3, but expanding European laying hen flock

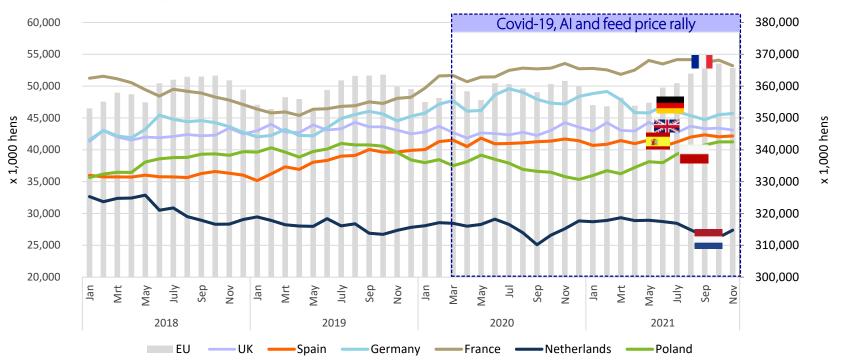
EU Egg market: Theoretic laying hen flock versus egg price and feed price



### Theoretic laying hen flock:

Expansion in France, Poland and Spain, drop in Germany and Netherlands

#### European laying hen flock 2017-2021 based on theoretic 14 months placements



## **Covid-19 and egg demand**Food service bounce back after lockdown driven strong retail sales



#### Germany retail egg demand, quarterly 2018-2021



#### EU/UK food service demand 2020/21 vs 2019

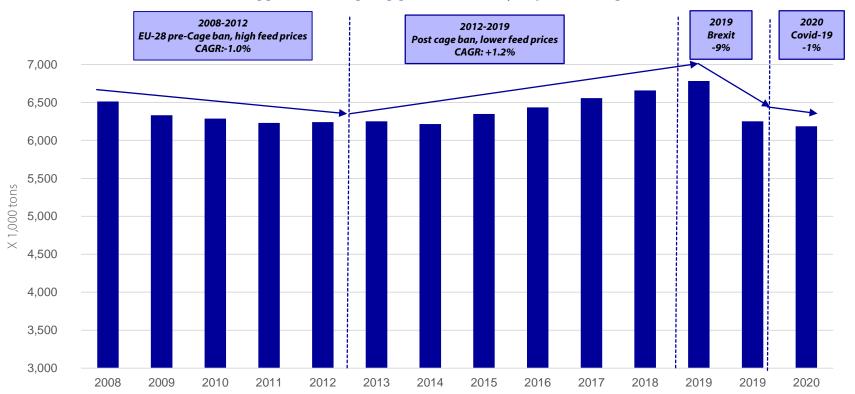


Source: Rabobank estimate based on Eurostat

### EU egg market: Brexit and Covid-19 shocks

Brexit has led to 9% drop in market size, Covid-19 added another -1%

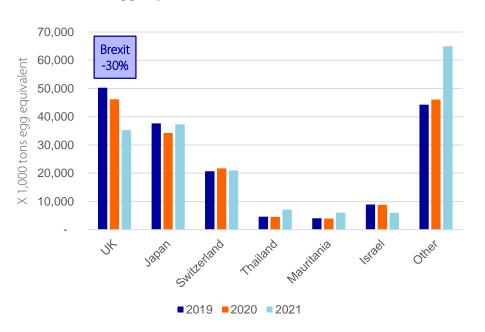
EU egg market: Ongoing growth driven by improved image



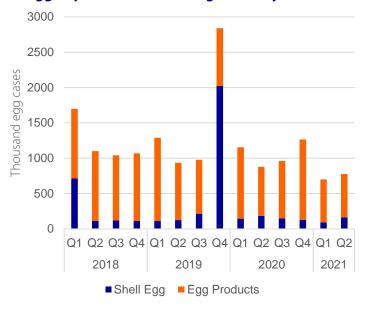
### EU exports: Less UK, more other destinations

Brexit has led to 30% drop in UK exports, other destination exports are rising





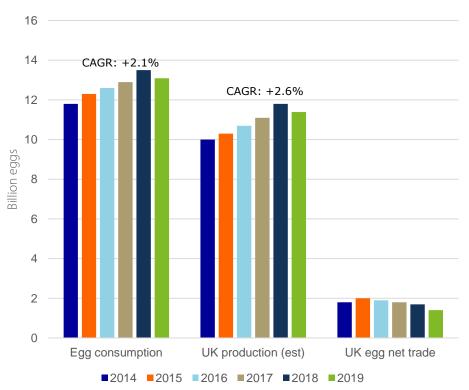
#### **UK egg imports 2018-2021: significantly down**

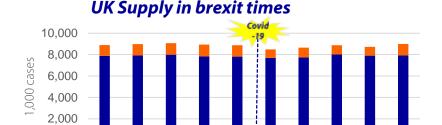


### Brexit: UK towards higher self sufficiency

Brexit to further increase UK's self sufficiency in shell eggs and egg products

#### UK balance sheet eggs: ongoing growth





Q1

Q2

2020

Q3

Q4

Q1

2021



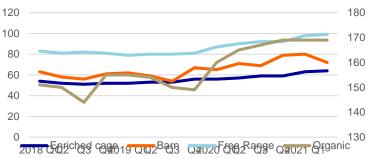
■ Egg packing Processing

Q4

Q3

2019

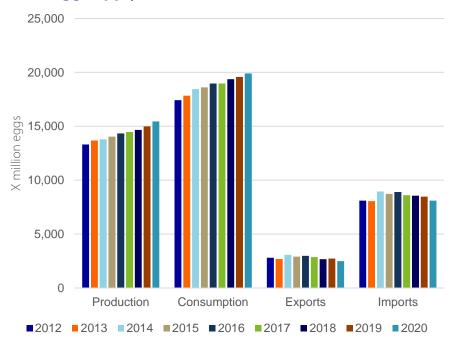
Q1



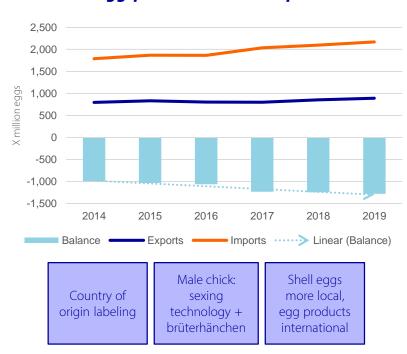
### Germany's move to higher self sufficiency

Covid-19 has accelerated the shift to more local, egg products more international

#### German egg supply: Covid-19 accelerated shift to more local



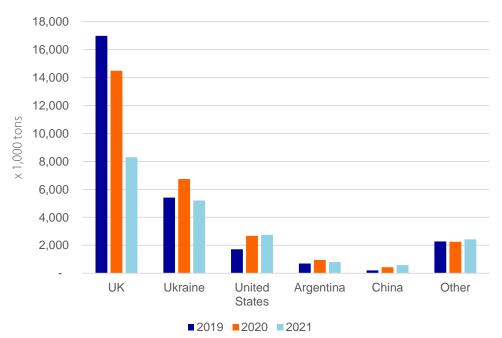
#### German egg products: more imports



### EU imports: Brexit decline and Ukraine pressure

Brexit has led to 50% drop in UK imports, Ukraine supply is dropping

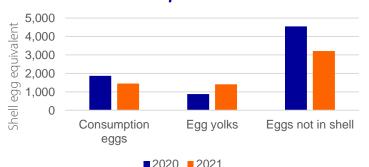




#### Ukraine egg production 2020/2021



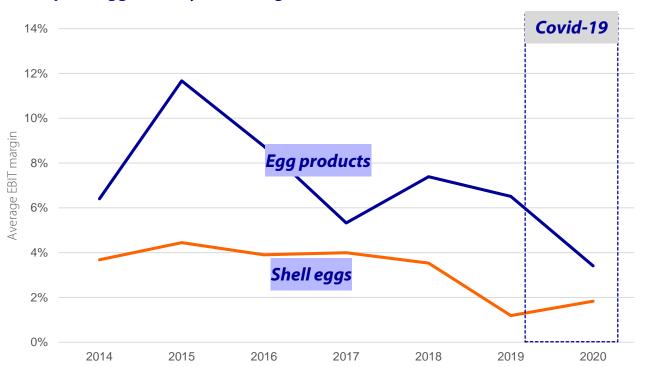
#### Ukraine - EU exports H1 2020 /2021



### Shell egg and egg processor margins

2019 and 2020 have been challenging years especially for shell egg producers

#### European egg Industry EBIT margin monitor 2014-2020f



Big differences between producers

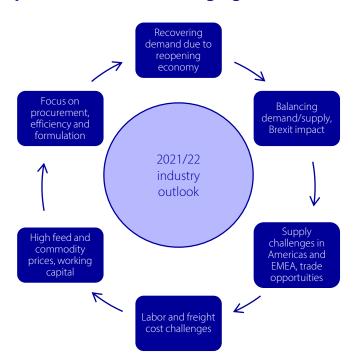
Retail driven companies strong, food processors weak

High feed prices supports efficient businesses

### **Outlook 2021/22: cost focus essential**

Reopening markets will cause more price inflation, ongoing cost focus

**Operational focus is changing in 2021/22** 



#### **FAO food price index: food inflation risks**



Long term investment perspective



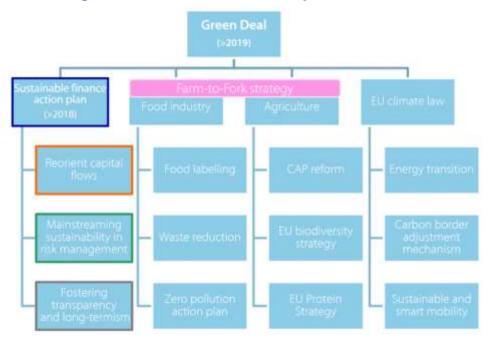
### Long term investment perspective



### Green deal proposals

#### Regulations are changing and will impact the poultry and egg industry

#### EU green deal & other relevant policies



#### Impact on the poultry industry

- Food waste: -50%
- Healthier more sustainable diet
- Reduce footprint: -55%
- Nutrition and eco labeling
- More sustainable packaging
- Zero polution action plan

#### **Impact on farming**

- Organic land: 25%
- Antibiotics: -50%
- Pesticides: -50%
- Fertilizers: -20%
- Less imported protein crops
- Strengthen Natura 2000

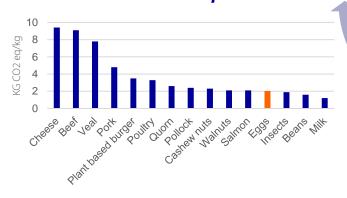
### Industry needs to be more pro-active in social debate

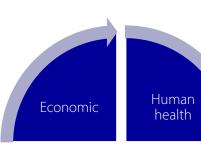
Industry has a good story to tell but it has to be told

#### **Economic importance**



#### **Environment: Co2 footprint**







#### Human health: Nutriscores, fresh well positioned









	Nutri			Carbo-					Price
	score	KiloCal	Sat. Fat	Hydrate	Sugge	Fiber	Protein	Salt	(EJR/kg)
Omega 3	A	140	2.6	<0.5	<0.5	<0.5	13	0.3	4.33
Columbus	A	133	2.6	1.	0.3	0	12.5	0.4	7.83
Barn egg	B	152	3.7	<0.5	<0.5	<0.5	13	0.3	2.00
Free range		152	1.7	<0.5	<0.5	<0.5	13	0.3	4.83
Organic	H	152	3.7	< 0.5	40.5	<0.5	13	0.3	6.67
Tofu amelette	В	156	2.4	4.9	<0.5	2.1	14	1,2	16.50
Hard boiled	0	154	3.5	0.7	- 0	0	12.9	0.2	6.83

#### **Ethical/animal production**

The ethical "Animal as production resource" discussion is often leading

Source: Rabobank analysis based Harvard, WUR, 2021

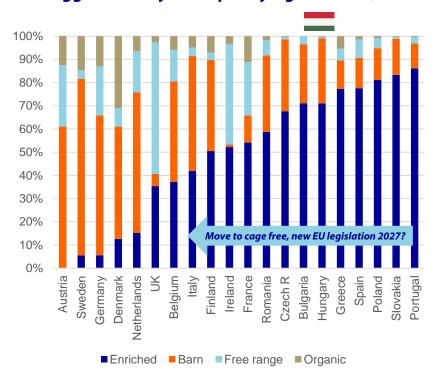
### EU's changing egg market; cage free in 2027?

Move to cage free, market and regional driven-big pending industry impact

#### Drivers for concept eggs and cage free



#### EU egg market by concept (laying hen flock, 2020)

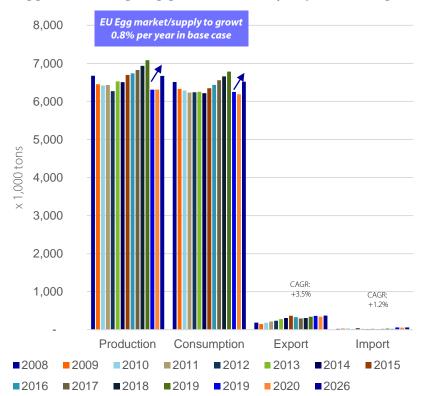


Source: Rabobank analysis, 2021

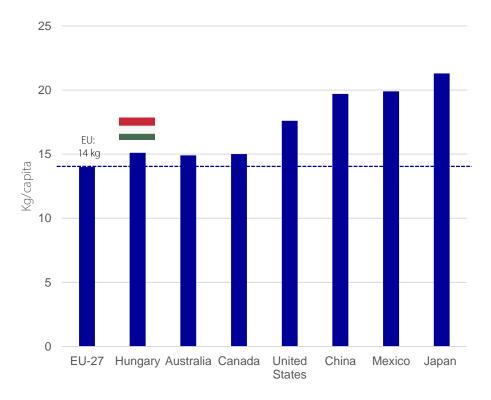
### EU egg market: Recovering growth 2020-2026

EU market to grow by 0.8% YOY despite Brexit and Covid-19 reduction

EU egg market: Ongoing growth driven by improved image



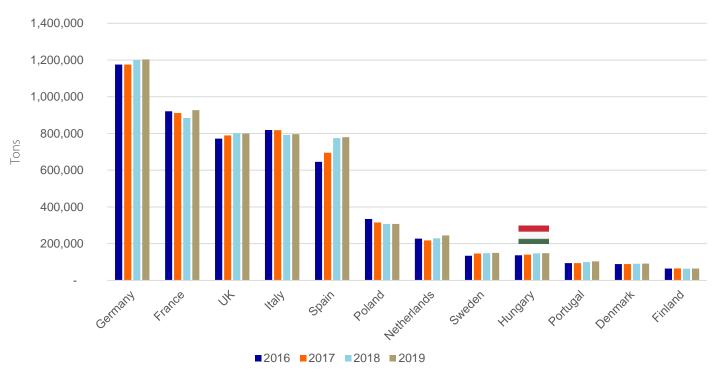
#### Egg consumption per capita: ongoing El growth potential



### Ongoing EU growth especially in NW Europe and CEECs

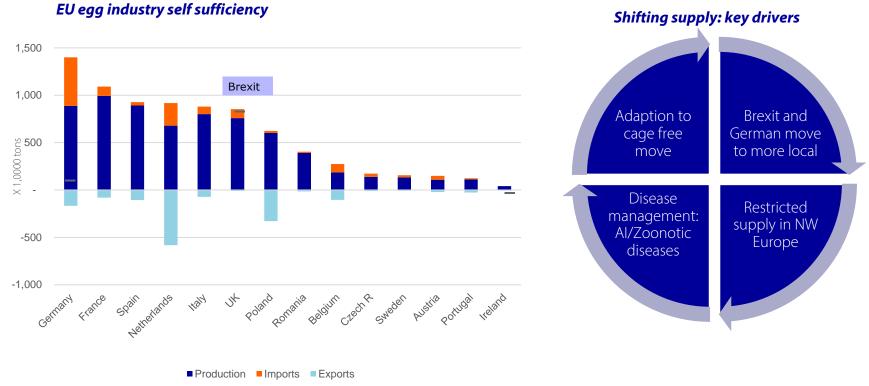
Gradual shift towards Cage free, especially customer driven

#### **Egg consumption : ongoing growth potential in Europe**



### EU egg trade: highly NL, Poland and Germany focused

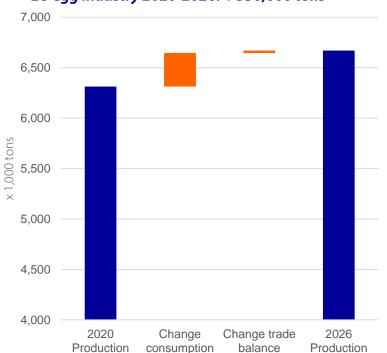
Germany to become more important import market for egg product market



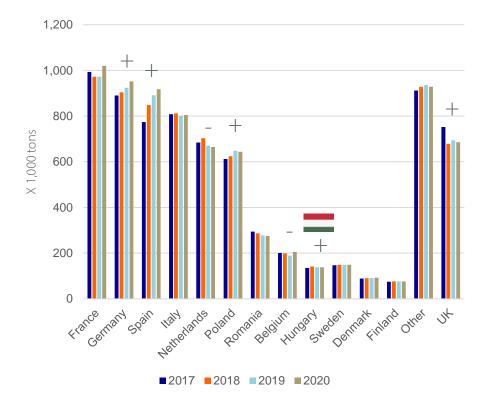
### **EU egg production 2026: +350,000 tons**

Germany and UK more self sufficient, Poland, Hungary and Spain to further expand



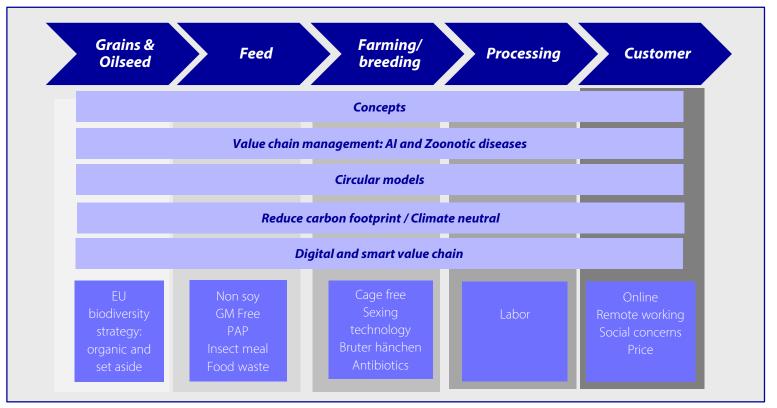


#### EU egg production growth towards 2026: Germany, UK, Spain and Poland



### Social change as driver for changing value chain models

Industry will gradually adapt new technology, access to farm capacity to become strategic

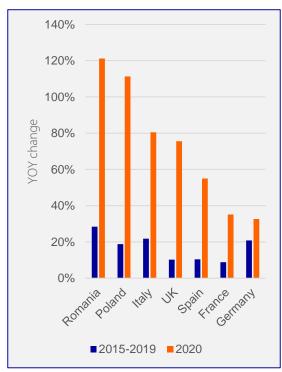


Source: Rabobank analysis, 2021

### Online food distribution's break through

Many new opportunity to market poultry and communicate with consumers

Online food distribution



Value chain tracking & tracing Personalized advertisements Using social to inspire

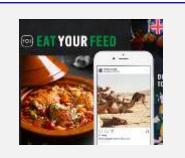


Meal planners



DNA based food choices





Personalized food advise

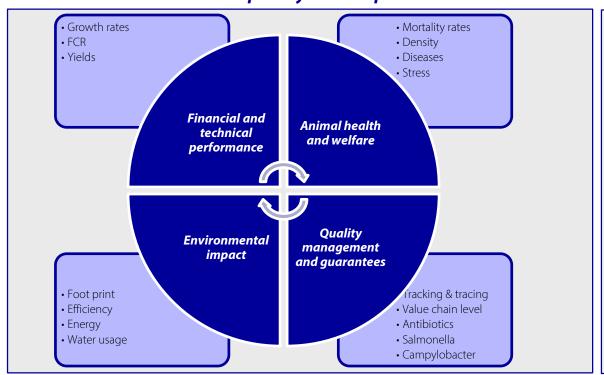


Source: Rabobank analysis based on IGD, 2021

### Value chain models to change

#### Towards digital, smart and more multi-discipliairy value chains

#### More multi-disciplinary view on production



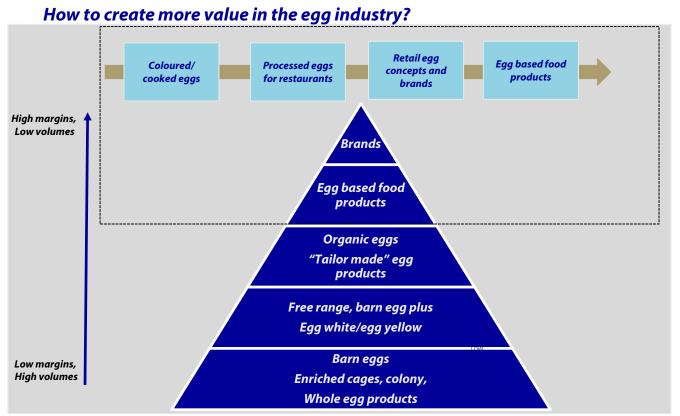
#### **Industry benefits**



Source: Rabobank analysis, 2021

### More focus on value added

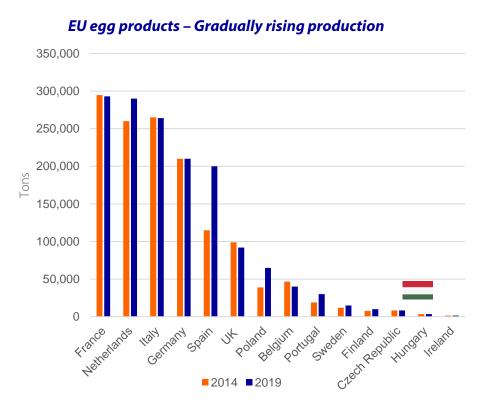
Industry to capture further value added growth potential



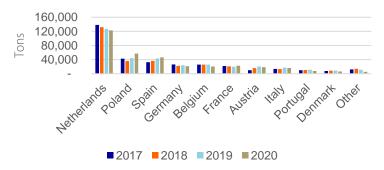
Source: Rabobank, 2021

### Egg product industry to grow 1-2% per year

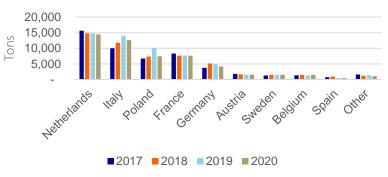
Gradual expanding supply - Spain and Poland more competitive



#### EU liquid egg exports: PL and ES gain market share



#### EU dried egg exports: NL keeps leadership



### A changing European egg industry

EU egg industry will consolidate and internationalize further

Industry from national to regional to pan-European

### Northwest - 173 million consumers Nordic region- 20 million consumers ormess) HASCAN South- 171 million consumers East- 120 million consumers hilerovo. derayo:

#### **Drivers for investments**



Source: Rabobank analysis 2021

#### **Conclusion**

