



Stronger when working together
Dairy Research Conference 2019, Billund

Jan Toft Nørgaard, Chairman of Arla Foods





Cooperation is not new to the dairy industry...



A green rectangular sign with rounded corners and a white border, mounted on two wooden posts. The sign features the word "Challenges" in a large, white, sans-serif font. The background is a bright blue sky with scattered white clouds.

Challenges

A wealthier, but not healthier world

POPULATION:

9.8

BILLION IN
2050



1.9

BILLION

Adults, 18 years and older, are overweight

>600

MILLION

of these are obese

462

MILLION

Adults are underweight

>200

MILLION

<5 is stunted/wasted



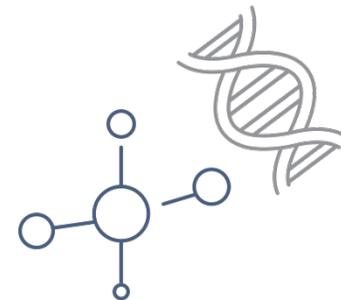
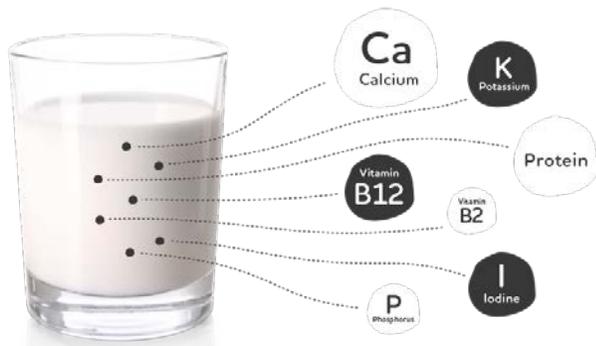
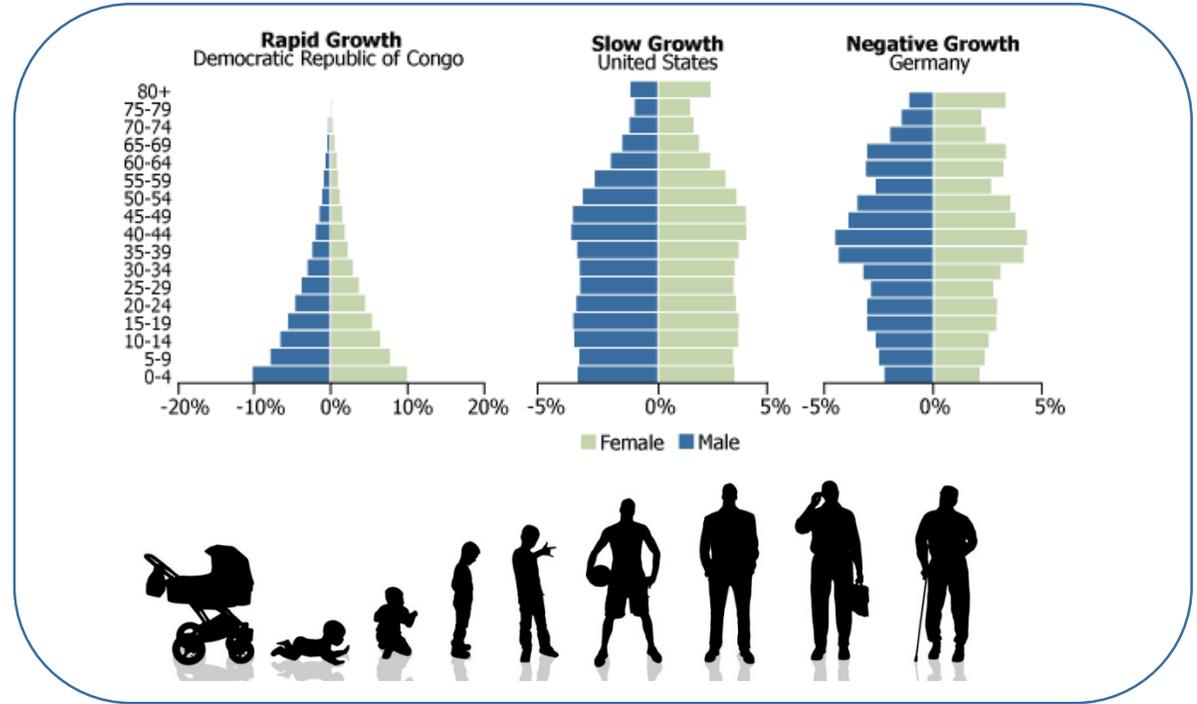


**Globalization,
climate &
environmental
changes**



**OPPORTUNITY
AHEAD**

A WEALTHIER, BUT NOT HEALTHIER WORLD



GLOBALIZATION, CLIMATE & ENVIRONMENTAL CHANGES

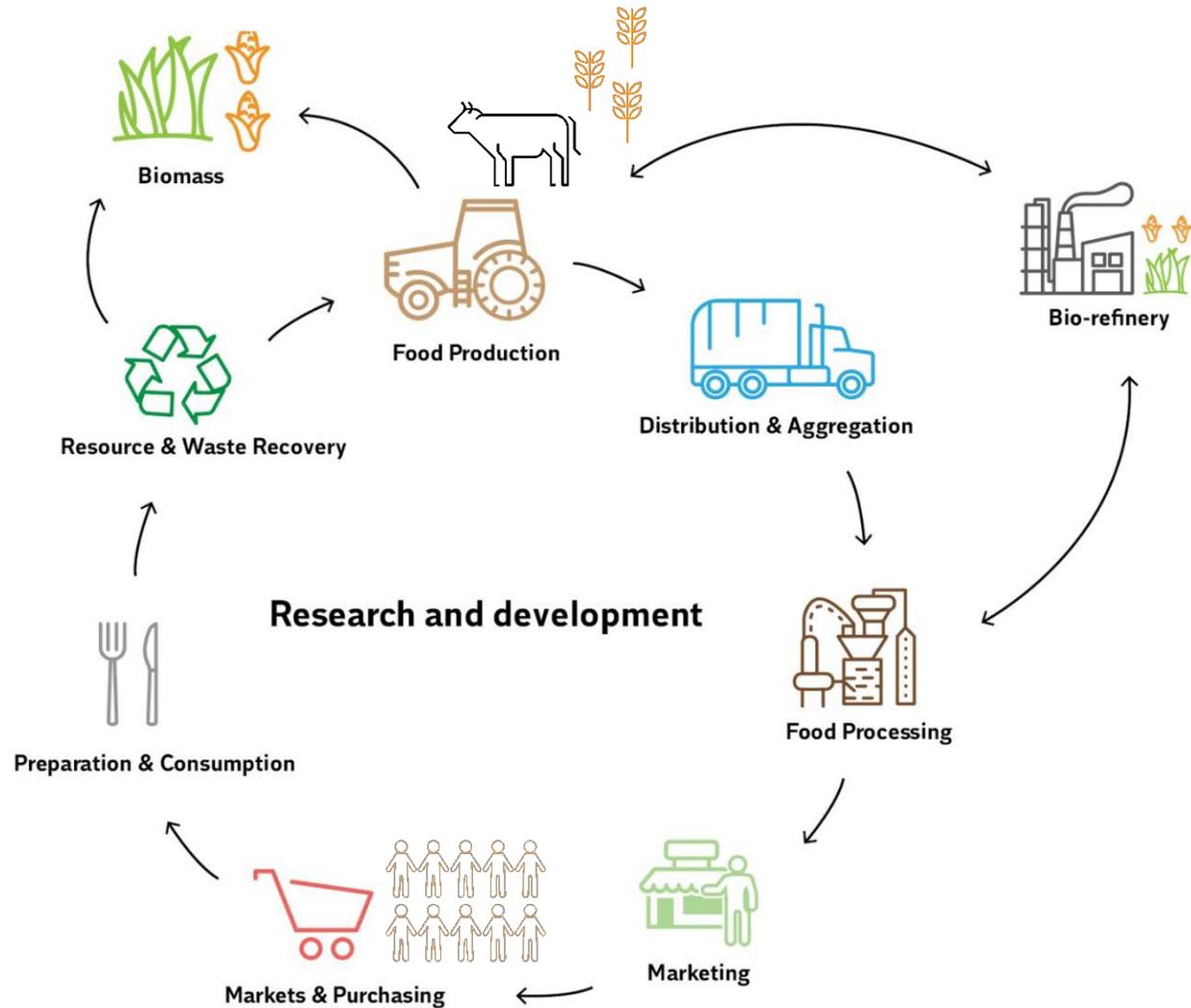


Biological	Digital	Physical
<ul style="list-style-type: none"> • Optogenetics • Next-generation genomics • Systems metabolic engineering • Bioinformatics 	<ul style="list-style-type: none"> • Digital twins • Augmented Reality • Blockchain • Cloud technology • Virtual Reality • Artificial Intelligence 	<ul style="list-style-type: none"> • Next-generation batteries • Advanced materials • Nanomaterials • Autonomous vehicles
<ul style="list-style-type: none"> • Neurotechnologies • Stem cells • Synthetic biology • Personalised medicine • Nanoparticles 	<ul style="list-style-type: none"> • Robotics • Internet of Things • Big data analytics • Industrial Internet of Things • 3D printing • Quantum computing 	<ul style="list-style-type: none"> • Nanodevices • Wearable technology • Micro/nano satellites • Organ microchips

source pwc via @mikequindazz



CIRCULAR ECONOMY PROVIDES NEW OPPORTUNITIES

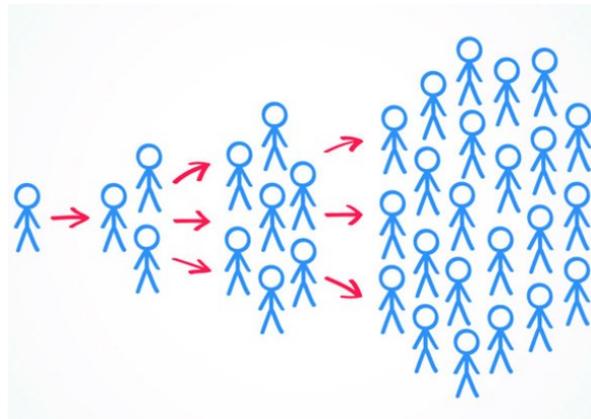
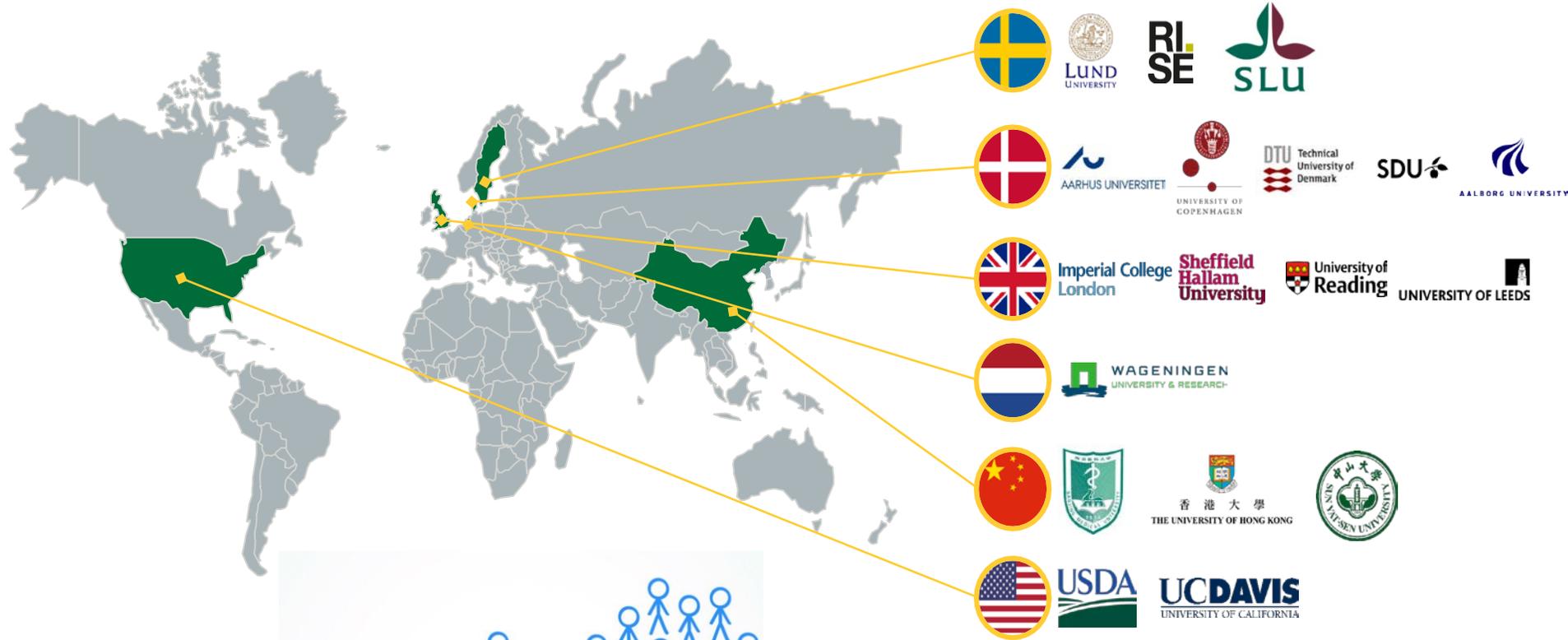


WE NEED R&D COOPERATION

– throughout the entire value chain and across sectors



UNIVERSITIES ARE KNOWLEDGE HUBS TO RESEARCH AROUND THE WORLD



ARLA FOOD FOR HEALTH

A true public-private partnership in global dairy nutrition research



AARHUS UNIVERSITET

UNIVERSITY OF
COPENHAGEN



Arla Foods Ingredients
Discovering the wonders of whey 



PARTNERSHIP



EXCELLENCE



TALENT



SHARING

DISCOVERING
HEALTH EFFECTS
OF DAIRY
AND DAIRY
INGREDIENTS

RESPONDING TO THREE RESEARCH NEEDS

METABOLIC SYNDROME

MALNUTRITION

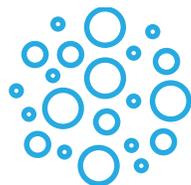
IMMUNE DEFENSE

WE ARE CURRENTLY SUPPORTING TEN EXCITING PROJECTS



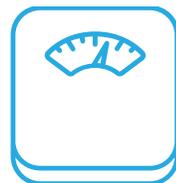
InfantBRAIN

Valorisation of milk fat globule membrane enriched ingredients



DairyMat

Designing biofunctional dairy foods: matrix structure of dairy products in relation to lipaemia



OmniSam

A multimodal metric for predicting the satiating effects of real foods and drinks



EnMet

ENergy METabolism - the molecular mechanisms governing the beneficial effects of milk-derived proteins



MiPUAge

Milk Protein Utilisation and Age



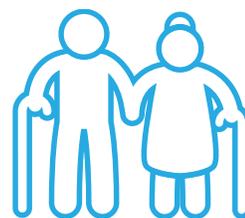
Stimmune

Bioactive milk diet to stimulate gut immune defense in infants born with perinatal inflammation



CutDM

Cut down on carbohydrate usage in the diet of type 2 diabetes



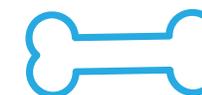
TAKE

TAilor-made KEto-dairy nutrients to combat post-inflammatory protein and muscle waste



MAGMAM

Milk and Growth in Moderate Acute Malnutrition



D-pro

Effects of milk protein and vitamin D on children's growth and health

COLD PASTEURIZATION

Be curious and grab the opportunity



Thise
MEJERI MED PASSION

 **LYRAS**

RECIPE – THE GOOD COLLABORATION

You take...

1. Lots of **strong science** – be your very best.
2. Mix well with **business mindset** and understanding of the business relevance.
3. Spice it up with **exchange of ideas, equipment, methods and even staff**. The more you work together, the better you understand each other.
4. Then add **clear expectations and deliverables** – and use the deliverables to monitor and follow up on progress.
5. Let sit for a while to develop – both parties need to **commit to the cooperation**, so spend time together, be curious and easy to approach.
6. When cooking – Have **respect for the different "raison d'être"**
7. Enjoy the **successful results of working together**.





TIME FOR SOME NETWORKING!