



**Chr. Hansen:  
'UN Global Goals:  
How to measure impact?'**

**Nassera Ahmed  
Sustainability Specialist, Chr. Hansen**



Have you had cheese, yogurt or a  
dietary supplement today?

Then you know us already!

1.000.000.000 people consume a Chr. Hansen ingredient every day

CHR HANSEN

*Improving food & health*

# It started with a question:

How much of Chr. Hansen's  
revenue contributes to the  
UN Global Goals?

3000+ products



The conclusion is



# Methodology







**UN Global Goal target 2.1** - end hunger and ensure access by all people

**UN Global Goal target 2.4** - ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production



**UN Global Goal target 3.4** - reduce mortality from non-communicable diseases through prevention

**UN Global Goal target 3.9** - reduce the number of deaths and illnesses from hazardous chemicals



**UN Global Goal target 12.3** - reduce global food waste at the retail and consumer levels and reduce food losses along production and supply chains

**UN Global Goal target 12.4** - achieve environmentally sound management of chemicals and all wastes throughout their life cycle





Increase productivity and yield



Enhance animal welfare



Reduce waste



Promote health and well-being



Substitute artificial ingredients



Reduce salt, sugar, fat and lactose



Increase food safety



Ensure access to affordable and available nutrition





# Assurance process with PwC

## Documentation Reports

- ▶ Product claim based on scientific trials
- ▶ Product claim with reviewed impact studies/articles
- ▶ Product claim with customer feedback
- ▶ Product claim with R&D internal test results

## Interviews conducted

- ▶ Sales & Marketing
- ▶ Relevant data providers
- ▶ Finance

Area	Product category	Positive contribution to Impact Category	Type of documentation
<b>Cheese</b>	Starter and ripening cultures	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> </ul>	Product claim with customer feedback
<b>Cheese</b>	Bioprotective cultures and enzymes	<ul style="list-style-type: none"> <li>▪ Reduce waste</li> <li>▪ Substitute artificial ingredients</li> </ul>	Product claim with reviewed impact studies/articles
<b>Cheese</b>	Coagulants	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Promote health and well-being</li> <li>▪ Reduce salt, sugar, fat and lactose</li> <li>▪ Access to affordable and available nutrition</li> </ul>	Product claim with customer feedback
<b>Fresh dairy</b>	Starter cultures <sup>9</sup>	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Reduce waste</li> <li>▪ Reduce salt, sugar, fat and lactose</li> <li>▪ Access to affordable and available nutrition</li> </ul>	Product claim with R&D internal test results
<b>Fresh dairy</b>	Probiotics and combined cultures	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Reduce waste</li> <li>▪ Promote health and well-being</li> <li>▪ Reduce salt, sugar, fat and lactose</li> <li>▪ Access to affordable and available nutrition</li> </ul>	Product claim with R&D internal test results and scientific trials
<b>Fresh dairy</b>	Bioprotection	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Reduce waste</li> <li>▪ Substitute artificial ingredients</li> </ul>	Product claim with reviewed impact studies/articles
<b>Fresh dairy</b>	Enzymes	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Reduce salt, sugar, fat and lactose</li> </ul>	Product claim with R&D internal test results
<b>Test kits</b>	Test kits	<ul style="list-style-type: none"> <li>▪ Increase food safety</li> </ul>	Product claim with customer feedback
<b>Meat cultures</b>	Molds, fermentation cultures	<ul style="list-style-type: none"> <li>▪ Reduce waste</li> <li>▪ Substitute artificial ingredients</li> <li>▪ Increase food safety</li> </ul>	Product claim with reviewed impact studies/articles
<b>Human health</b>	Probiotics	<ul style="list-style-type: none"> <li>▪ Promote health and well-being</li> </ul>	Product claim based on scientific trials
<b>Animal health</b>	Silage inoculants	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Reduce waste</li> </ul>	Product claim with R&D internal test results and customer feedback
<b>Animal health</b>	Probiotics for animals	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> <li>▪ Enhance animal welfare</li> </ul>	Product claim based on scientific trials and reviewed articles
<b>Plant health</b>	Biological plant protection	<ul style="list-style-type: none"> <li>▪ Increase in productivity and yield</li> </ul>	Product claim based on scientific trials
<b>Natural colors</b>	Natural colors	<ul style="list-style-type: none"> <li>▪ Substitute artificial ingredients</li> </ul>	Product claim with customer feedback

## The remaining % ?

We have long-term operational targets to report and ensure progress on any negative environmental and social impacts

	<b>Workplace responsibility</b>	<b>Climate and environmental sustainability</b>	<b>Business and product integrity</b>	<b>Human rights and responsible sourcing</b>
<b>Long-term targets, 2020<sup>4</sup></b>	Lost-Time Incident Frequency (LTIF) of $\leq 2.0$	20% energy and water efficiency improvement	Extension of business integrity processes and procedures on anticorruption to third parties	Full implementation of responsible sourcing roadmap
	80% diverse corporate management teams	25% CO <sub>2</sub> efficiency improvement		
		40% of waste recycled		

What about the holes in the cheese?

A close-up photograph of a woman with dark curly hair and a young child with curly hair sitting at a table. The woman is leaning over the child, smiling as they eat. The child is focused on eating from a glass bowl filled with granola, blueberries, raspberries, and a cherry. The woman is holding a yellow lemon. The scene is brightly lit, suggesting a sunny day.

**Let's grow our  
future. Naturally.**