











Techno in Dia	logy Content ry Innovation	Dairy markets
New market	10% mainly snacks & convenience	1% mainly Medical & Functional
Existing market	84% mainly Pleasure, Variety & Sophistication	5% mainly Diet, Variety and Functional
	Existing technology	New technology
	The explan	nation for our dairy worry?
KUZO	Technology I	Drives Continuous Innovation







Tech	nology derived	benefits* 🛛 🚄	
Consumer benefit	Product/functional benefit	Technology involved **	
Pleasure (e.g. taste, variation)	e.g. Cheese varieties: Leerdammer, Parrano, Kernhemmer, flavoured soft drinks	Starter selection and culturing Processing technology Flavour analysis	
Convenience (e.g. easy to handle, time saving, nomadic)	Meal replacers / Breakfast drink Cheese Schnitzel Premium Instant Powders	Protein structure and stability Microbial stability Prowdor technology/agglomeration Flavour / texture formation / satiety Provention / removal / masking of bitterness Enzyme hydrolysis Downstream processing	
Fitness (balanced diet, anti- stress, energy)	Reduced fat products Sports drinks (e.g peptides) Mooel foods (amine adds, peptides)		
Health (functional foods, natural)	Baby food (e.g. allergy reduction) Probiotics (e.g. anti Stimonella) Enriched foods (e.g. calcium, vitamins) Enzymes against hospital infection	In vtro / in vto testing Physical stability Ingredient production/selection Flavour masking	



Scope to Connecting Science for industry:										
Technology to Benefits:										
Benefit		Life sciences		Food physics	Food processing					
\blacklozenge	Example s	(genomics & microbiology)		(gels & emulsions)	(hygiene, optimisation, modeling)					
		Taste	Health	Texture	Food safety	Food processing				
Fitness & wellbeing	Sport foods Low calory	Flavour release Low fat flavour	Pre & Pro biotics, Fortification Fatreplacement	Encapsulation Emusified food Low fat gels	Safety testing Risk assessment	Survival of actives New structure				
Health & safety	Functional foods	Fermented flavour Prevention off tastes	Health claims Genome & diet Nutraceuticals	Mixed foods (milk & fruit) Functional proteins & starches	Keep the good, kill the bad Survival microorganisms e.g. In process or probiotics in gut					
Pleasure	New / exciting tastes and textures	Improved & new taste!		Texture variations Controlled release Creamy products	Modeling taste texture interactions Modeling food safety					
Convenience	Long life Prepacked	Keepability & shelf life Ambiant stable flavours		Shelf life, Barriers, Ready to cook	Shelf life extension	Cost reduction				
Ethics	Organic, Vegan, Natural	Farm manageme vs human studie	nt, GMO, animal s,	New raw materials	Novel processing, Minimal processing, durability					
	Brouch		Technology	Drives Continuous Inr	iovation					











Innovation: the new approach:



Innovation management



