High-Value Nutrition Outcomes Framework

Growing the science to take high-value foods to the world



Ko Ngā Kai Whai Painga

Problems and opportunities	Inputs	Activities	Short-term outcomes	Medium-term outcomes	Impacts
A fragmented science system	Participation through national science network, NZ F&B businesses, national export ecosystem	 Grow partnership with Māori through Māori involvement and engagement with Māori F&B businesses Facilitation of relationships between F&B businesses and research organisations Grow NZ collaborations across institutions, businesses and 	 National network of HVN researchers collaborating on an integrated approach underpinned by systems nutrition for validating the health benefits of F&B Integration of Māori researchers, mātauranga Māori, Māori businesses 	 World-leading capabilities in evaluating the health benefits of F&B products, including increased Māori leadership in research Māori and emerging businesses integrated within science system to support business growth & 	National network of nutrition researchers engaged with NZ F&B businesses – including SMEs and Māori owned businesses, to develop long term growth strategies
NZ's reputation for innovation low globally	F&B stakeholder strategies, including Māori and emerging F&B businesses	governmental networks Influence other national science investments to create ecosystem of aligned research Increase number of researchers integrated in HVN research, and foster	and stakeholders into all HVN activities > Growth of future leaders through cross-disciplinary and collaborative research teams > Deep understanding of consumer insights supporting the priority programmes in HVN, used by businesses to develop innovation strategies > Strong network of F&B businesses engaged with HVN activities > Developing network of emerging/SM businesses > Partnerships with industry lead to increased business capabilities > Capability platforms developed in 'omics, data management, biobanking, clinical trials that will extend beyond the Challenge	Increased industry investment in HVN capabilities outside of activities undertaken within the Challenge Increased business innovation capacity and partnerships with HVN researchers Transformation of pre-clinical to clinical evidence, translated into commercialisation opportunities F&B businesses have clinical validation of benefits as a key part of growth strategies, reflected in increased exports of high-value foods, valued by consumers Increased understanding of unique advantages of NZ foods, enhanced global reputation of NZ foods as a key source of health benefits External factors C Global economic growth, trade agreements, market access	
Opportunity to grow NZ economy through increased sales of F&B with validated health benefits	Target consumer needs	new talent/ emerging leaders Develop an integrated science plan that will deliver value to NZ F&B businesses, including Māori businesses Integrated science programme to develop understanding of the Chinese Urban Phenotype			
Transform reputation of NZ F&B from 'safe' to 'safe and proven good for health'	NZ's best researchers, international collaborations	 Conduct high quality science across multiple institutions, and develop high impact publications Establish national platform for systems nutrition research, accessible to other collaborations Education and capacity building activities for businesses 			business sector and export revenues via the development and marketing of F&B with
Grow NZ's science sector reputation for validation of HVN products	Co-designed innovation strategies with businesses	 Work with national networks to identify path to impact for businesses Insight driven product development, linked to scientific validation and commercialisation strategies Outputs 	 New biomarkers/ fingerprints that will underpin clinical studies demonstrating health benefits of F&B Proven capabilities in undertaking international clinical trials Ability to test multiple food solutions 		
Growth in value of NZ SME landscape, and of Māori businesses	Public private investment in science	 IP developed for research institutions and businesses that enables growth of the HVN sector High-impact publications in target journals that reflect multi-disciplinary collaboration 	in target Chinese Urban Phenotype	 Regulatory frameworks Willingness of F&B businesses to invest Aligned funding landscape contributions Consumer and market trends 	

Can be controlled Direct influence Indirect