

LV0128 – Innovation management for sustainable food systems (updated 5 Feb 2024)

Schedule spring semester 2024

Note 1. When the bookings are done, the Time-Edit file (online) might not be complete. Please check Canvas for any changes!

Note 2. Main coursebooks:

- 1) Trott (2021) Innovation management and new product development, 7th edition, Pearson. Previous edition also works, but have other chapter structure.
- 2) Tonnquist (2021). Project management. Sanoma Utbildning
- 3) Other literature will be made available on Canvas. Canvas follows a weekly structure (as the schedule) and the literature (link or link to pdf) occurs in the corresponding week. Canvas will be updated regularly.

Week	Topic	Activities	Readings (On Canvas, if not the main course books)
(15-19 jan)	1. What is innovation?	Mo 15 Jan 13-17 (Room Skara (A304) in Ulls Hus) 1. Course introduction workshop (FF) (Uppsala campus, Sal H) 2. Innovation – What is it and why is it important? (FF)	- Trott, Ch 1. Innovation management: an introduction - Tidd & Bessant, 2005. Ch 1. Managing Innovation
		Tu 16 Jan 9-12 (Room Skara (A304) in Ulls hus) 4. Sources of innovation, the value chain and current market developments (FF) 3. Innovation and sustainable food systems (Food system insights - sustainability as source of innovation) (Uppsala campus). Intro to the Friday seminar (FF)	-Tidd & Bessant (2005). Parts of Ch.2. Innovation as a core business process - Fernqvist & Göransson (2021) Future and recent developments in the retail vegetable category – a value chain and food systems approach - Ericksen (2011) The food system approach (on Canvas). - Bené (2019) Understanding Food system drivers (on Canvas)
		Wed 17 Jan, 9-11 (Zoom) 4. Development and innovation (Gwendolyn Varley)	Literature to be announced on Canvas
		Fr 19 Jan 9-12 (Room H) 5. Seminar – The Fruit Logistica Case (FF) (Room H/Plantan)	Delivery of brief individual report on the Fruit Logistica case
(22-26 Jan)	2. The innovation system and the diffusion of innovations	Mo 22 Jan 10-12 (Zoom) 1. Brief introduction to actors in the innovation system, the role of networks and knowledge. Intro to the Friday workshop. (FF)	- Meulenbergh & Viaene (2005). Changing agri-food systems in Western countries: a marketing approach (Ch. 2 in Innovation in agri-food systems. On Canvas) - Trott, Ch 2. National systems of innovation and entrepreneurship

		Mo 22 Jan 13-15 (Zoom) 2. Innovation systems and the AKIS (Lisa Blix Germundsson)	- Trott, Ch 8. Strategic alliances and networks - Trott, Ch. 10. Open innovation [e.g. as sources of innovation] and technology transfer - Klerkx, L., van Mierlo, B. & Leeuwis, C. (2012). Evolution of systems approaches to agricultural innovation: concepts, analysis and interventions. <i>In: Darnhofer, I., Gibbon, D. & Dedieu, B. (eds.) Farming Systems Research into the 21st Century: The New Dynamic.</i> Dordrecht: Springer Netherlands.
		Tu 23 Jan 10-12 (Room H, or could possibly be online too) 3. Innovation diffusion and adoption of innovations (Annie Drottberger (Room H Uppsala, Plantan Alnarp))	- Trott, Ch 12. Market adoption and technology diffusion - Drottberger et al. (2022) Adoption of technological innovations in production of leafy vegetables in Sweden
		We 24 Jan 10-12 (Green Innovation Park, Campus Uppsala) 4. Study visit. (Henrik Landgren & Henrik Cyrén)	
		Th 25 Jan <i>Own work – preparation, mapping the (agricultural/food) innovation system of a country of your own choice</i>	
		Fr 26 Jan 9-12 (Room H, Uppsala) 5. Workshop – “Mapping the innovation system, and what should we do?” (FF) (Teacher on distance)	On the Friday seminar: Present the AKIS of the country of your own choice. Work with the follow up questions (top-town/bottom-up/implications for policy and practice/Future research) Delievery of individual report on innovation systems
(29 jan-2 Feb)	3. The business plan, strategy and business model innovation	Mo 29 Jan 9-12 (Zoom) 1a. Strategy, innovation strategy 1b. The business model (zoom)	- Trott, Ch 11. Business models - Omta & Folstar (2005). Ch. 9. Integration of innovation in the corporate strategy of agri-food companies. <i>In: Jongen & Meulenbergh, Innovation in agri-food systems</i> - Porter (1996) What is strategy?
		Tu 30 Jan 10-12 (Drivhuset, Uppsala) 2. Drivhuset Uppsala, study visit. Host: Filip Reineby (See information on Canvas)	

		<p>We 31 Jan, 10-12 (Zoom) (Jonas Bååth) 3. Social innovation. Alternative Food Networks and Social Innovations (JB) Cancelled and moved to 6 Feb</p>	<p>Prel literature (see Canvas) - Bååth (2022) How alternative foods become affordable: The co-construction of economic value on a direct-to-customer market - Zhao et al (2022) Reducing food waste from social innovation perspective - <i>Further reading</i> Mulgan (2007) Social innovation – what is it, why it matters and how it can be accelerated</p>
		<p>Th 1 Feb <i>Own work, preparation for Friday seminar.</i></p>	<p>Read Fernqvist, F., Sadovska, V. & Langendahl, PA (2022). Sustainable value creation—a farm case on business model innovation. <i>International Food and Agribusiness Management Review</i> 25 (4): 543 - 554. Answer preparatory questions before the seminar on Friday</p>
		<p>Fr 2 Feb 9-12 (Room H) 4. The Farm case or the Vegetarian butcher case (Business model innovation) (Sal H Uppsala/Plantan Alnarp)(FF)</p>	<p>Delivery of individual report on business model innovation</p>
(5-9 feb)	4. Innovation and sustainable food systems	<p>Mo 5 Feb, 10-12 (Room U, Ulls hus Uppsala) 1. Lecture: Perspectives on innovation for sustainability. (Per-Anders Langendahl).</p>	<p>- Berkhout, F. Sustainable Innovation Management. In: Mark Dodgson, David Gann and Nelson Phillips (eds), <i>The Oxford Handbook of Innovation Management</i>, Oxford: Oxford University Press, 2014: 290-315. - Shot and Geels, 2008. Strategic niche management and sustainable innovation journeys: theory, findings, research agenda and policy. <i>Technology Analysis & Strategic Management</i>; Vol. 20, No. 5, September 2008, 537–554 - Smith et al., 2010. Innovation Studies and Sustainability transitions: the allure of the multi-level perspective and its challenges - Smith and Raven, 2012. What is protective space? Reconsidering niches in transitions to sustainability. <i>Research Policy</i>, vol 41. - Josephine Mylan (2019) that focus on the development and uptake of Plant-Based-Milk: Mylan, 2019. Rage against the regime: Niche – Regime interactions in the societal</p>
		<p>Tue 6 Feb, 10-12 (Zoom) 2. Jonas Bååth, lecture on social innovations and Alternative food networks. (moved from Jan 31)</p>	
		<p>Wed 7 Feb <i>Own preparations for the seminar</i></p>	
		<p>Th 8 Feb, 9-12 (Room N, undervisningshuset) 2. Seminar “Innovation for sustainable development” (Per-Anders Langendahl) (Uppsala)</p>	

		Fr 9 Feb <i>Own study time</i>	embedding of plant-based milk. <i>Environmental Innovation & Societal Transition</i> , vol. 31. Delivery of individual report on “innovation for sustainable development”
(12 Feb- jan-16 feb)	5. Project management 1	Mo 12 Feb 9-12 (Zoom) 1. Introduction to project management (Torbjörn Jonasson)	Tonnquist (2021). Project management. Sanoma Utbildning Trott, Ch 4. Managing innovation within firms Trott, Ch 7. Managing organizational knowledge
		Tu 13 Feb <i>Own work</i>	
		We 14 Feb 9-12 (Prima, Ultuna Library) 2. Leadership, group dynamics and international teams (TJ)	
		Th 15 Feb 9-17 (Prima, Ultuna Library) 3. Project management (TJ)	
		Fr 16 Feb 9-12 (Prima, Ultuna Library) 4. Project management (TJ) (Fr 3 feb, 17:00. Deadline to submit individual assignment)	
(19-23 Feb)	6. Project management 2	Mo 19 Feb 9-12 (Zoom) 1. Conflicts and other obstacles (TJ)	Delivery of individual report on “project management and innovation”
		Tu 20 Feb 9-12; 13-17 (Hebbe, Ultuna library) 2. Project management (TJ)	
		We 21 Feb 9-12 (Prima, Ultuna library) 3. Project management (TJ)	
		Th 22 feb 9-12 (Room Z, Ulls hus, block D) 4. Project management (TJ)	
		Fr 23 Feb 17:00 Deadline to submit group assignment	
		Mo 26 Feb, 10-12; (Room H)	The following two weeks (26 Feb-8 March):

(26 Feb-1 Mar)	7. New Product Development 1	<p>1. On New Product Development 2. R&D and Market research (FF/Gun Hagström online)</p> <p>Mo 26 Feb, 13-15 (Room H) 3. NPD process, step 0: Introduction to the NPD assignment, introduction to project groups (Gun Hagström) 4. Market research in the assignment (FF/GH)</p>	<p>- Trott, Ch 9. Research and development -Trott, Ch 13. New product development - Trott, Ch 14. Market research and its influence on new product development - Trott, Ch 15. Managing the new product development process - Kotler et al. (Marketing: An introduction) Chapter: Developing New Products and Managing the Product Life Cycle</p>
		<p>Tu 27 Feb, 8-10 (Zoom) 5. NPD process, step 1. Creative online workshop –target group, persona, tentative product (FF/GH)</p> <p><i>10-17: Own work Market research, Examine the market; possible products, empty market space, packaging alternatives (visit a supermarket, and/or other sales channels) etc... Identify potential product and target group based on market research, begin preparing presentation for the Friday seminar</i></p>	
		<p>We 28 Feb, 10-12 (Zoom) 6. NPD process, step 2: Theoretical model for product development, selecting attributes to be tested, making a design for new product development (Gun Hagström, Zoom)</p>	<p>-Næs & Nyvold (2003) Creative design – an efficient tool for product development</p>
		<p>Th 29, own work</p>	
		<p>Fr 1 Mar, 9-12 (Zoom) 7. Seminar: NPD process, step 3 - Presentations of NPD idea, ingredient choices for food lab exercise (Gun Hagström)</p>	
(4-8 Mar)	8. New Product Development 2	<p>Mo 4 Mar <i>Own work</i></p>	

		<p>Tu 5 Mar 9-16 (Food lab). (at Axfoundation). You will need to go there from Stockholm/Uppsala. Information will come</p> <p>1. NPD process, step 4: Food lab exercise, making of new food products (Gun Hagström, Fredrik Fernqvist)</p>	
		<p>We 6 Mar, own work</p> <p>2. NPD process, step 5: <i>Test the product on a small sample to select the final product</i></p>	
		<p>Th 7 Mar, 9-10 (Room H)</p> <p><i>3. Prel. Guest lecture (otherwise we might start the workshop at 9 instead)</i></p> <p>NPD in Food industry (9-10), Sal H/Plantan) (Gun Hagström)</p> <p>Th 7 Mar, 10-16 (Room O1, Undervisningshuset)</p> <p>NPD process, step 6: Creative workshop, story board, extrinsic product attributes, preparations for presenting new product (FF)</p>	
		<p>Fr 8 Mar, 9-12 (Room L)</p> <p>5. NPD process, step 7: Presentation seminar new product "Before launch" - (FF and Gun Hagström) (Sal L/Plantan)</p>	Delivery of individual report on NPD
(11-15 mar)	9. Challenge week	<p>Mo 11 mar (Room H, Uppsala)</p> <p>09:00-11:00 Challenge starts (FF) (Sal H/Plantan)</p> <p>Work with idea generation, target group etc.</p> <p>Tu 12 mar Own work. Group supervision 10-12. Idea selected. Tentative target groups should have been chosen. Coaching with Drivhuset Filip Reineby. Idea Target group, what now?</p> <p>We 13 mar Own work. Group supervision 10-12. Concept development. Drivhuset available.</p> <p>Th 14 mar Own work. Time for questions 10-12. Compile information, prepare presentation.</p>	<p><i>Drivhuset join the introduction and will introduce the "Map of possibilities" (möjlighetskartan) as part of idea generation, to deter what is realistic? And talk about target group.</i></p> <p><i>-choose idea, have an idea about tentative target group</i></p> <p><i>-talk with people from the target group</i></p> <p><i>-is it realistic to continue?</i></p> <p><i>"loopa". Talk with target group</i></p>

		17:00 Latest delivery of material Fr 15 mar: 9-12 (Room H, Uppsala) Presentations (Room H Uppsala/Plantan Alnarp)	
(18-19 mar)	10. Course end	Mo 18 mar <i>Own work</i> <i>Writing of process report (individual reflection, to be graded).</i> <i>Deadline 17:00</i> Tu 19 mar, 13-16 (Zoom) (Sal Final Workshop and evaluation, course end (FF))	Delivery of report on the challenge

Main teachers: Fredrik Fernqvist, course leader (FF), Torbjörn Jonasson (TJ), Gun Hagström (GH).