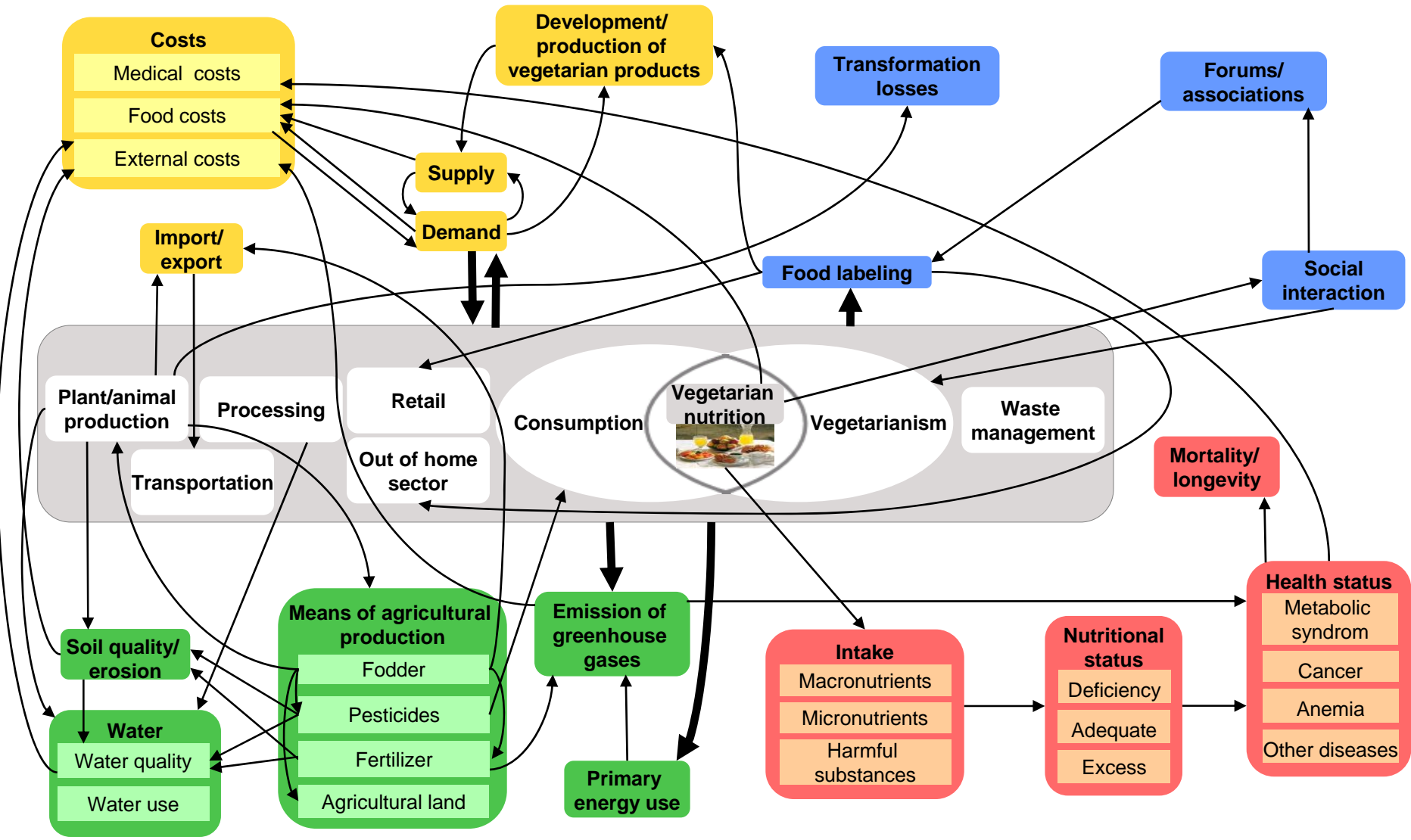


# Vegetarian Nutrition Model



To access examples for the literature explaining the according relationships click on the arrows.

**Social interaction**



**Forums/  
associations**

Bryant CA, DeWalt KM, Courtney A, Schwartz J: The cultural feast. An introduction to food and society. Thomson/Wadsworth, Belmont, 2. Auflage, 2003

Maurer D: Vegetarianism. Movement or Moment? Temple University Press, Philadelphia, 2002

**Forums/  
associations**



**Food labeling**

BBC: Vegetarian and vegan. Behind the labels, o.J. Internet:  
[http://www.bbc.co.uk/food/vegetarian\\_and\\_vegan/labelling1.shtml](http://www.bbc.co.uk/food/vegetarian_and_vegan/labelling1.shtml) (13.11.2007)

European Vegetarian Union: VLabel.international. Internet: <http://www.v-label.info/en/home/info.html>  
(16.11.2007)

FSA (Food Standards Agency): Guidance on vegetarian and vegan labelling, 2006a Internet:  
<http://www.food.gov.uk/news/newsarchive/2006/apr/vegvegan> (13.11.2007)

FSA (Food Standards Agency): Food labelling guidance on the use of the terms vegetarian and vegan in  
food labelling, 2006b. Internet: <http://www.food.gov.uk/multimedia/pdfs/vegitermsgn.pdf> (13.11.2007)

**Vegetarian Nutrition**



**Social interaction**

Bryant CA, DeWalt KM, Courtney A, Schwartz J: The cultural feast. An introduction to food and society. Thomson/Wadsworth, Belmont, 2. Auflage, 2003

Janda S, Trocchia PJ: Vegetarianism towards a greater understanding. Psychology & Marketing 18, 1205-1245, 2001

**Social interaction**



**Vegetarianism**

Janda S, Trocchia PJ: Vegetarianism towards a greater understanding. Psychology & Marketing 18, 1205-1245, 2001

**Food labeling**



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graph LR; A[Food labeling] --> B[Out of home sector]
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**Out of home sector**

EVU (Europäische Vegetarier Union): V-Label. 2008a Internet: <http://www.v-label.info/de/home/start.html>  
(16.1.2008)

**Food labeling**



**Retail**

Roosen J: Marketing of safe food through labeling. Journal of Food Distribution Research 34, 77-82, 2003

**Plant/animal  
production**



**Transformation  
losses**

Alvensleben v R: Ernährung und Nachhaltigkeit - Populäre Denkmuster sind zu hinterfragen. Institut für Agrarökonomie, Kiel, 2002. Internet: [http://www.uni-kiel.de/agrarmarketing/Lehrstuhl/faz20\\_8.pdf](http://www.uni-kiel.de/agrarmarketing/Lehrstuhl/faz20_8.pdf) (16.1.2008)

Gerbens-Leenes PW, Nonhebel S, Ivens WPMF: A method to determine land requirements relating to food consumption patterns. *Agriculture, Ecosystems and Environment* 90, 47-58, 2002

Koerber v K und Kretschmer J: Ernährung nach den vier Dimensionen. Wechselwirkungen zwischen Ernährung und Umwelt, Wirtschaft, Gesellschaft und Gesundheit. *Ernährung und Medizin* 21, 178-185, 2006

Zehnder AJB, Yang H, Schertenleib R: Water issues: the need for action at different levels. *Aquatic Science* 65, 1-20, 2003



**Plant/animal  
production**



**Means of agricultural  
production**

EVU (Europäische Vegetarier Union): Vegetarismus - ein Symbol der Solidarität mit den hungernden Menschen? 2008b <http://www.european-vegetarian.org/lang/de/news/press/20061016.php> (16.1.2008)

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

Gerbens-Leenes PW, Nonhebel S, Ivens WPMF: A method to determine land requirements relating to food consumption patterns. Agriculture, Ecosystems and Environment 90, 47-58, 2002

Margni M, Rossier D, Crettaz P, Jolliet O: Life cycle impact assessment of pesticides on human health and ecosystems. Agriculture, Ecosystem and Environment 93, 379-392, 2002

Marlow HJ, Hayes WK, Soret S, Carter RL, Schwab ER, Sabaté J: Diet and the environment: does what you eat matter? American Journal of Clinical Nutrition 89 (suppl), 1699S-1703S, 2009

**Processing**



**Water**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Health status**



**Medical costs**

Barnard N, Nicholson A, Howard J: The medical costs attributable to meat consumption. Preventive Medicine 24, 646-655, 1995

Knutsen SF: Lifestyle and the use of health services. American Journal of Clinical Nutrition 59, 1171S-5S, 1994

**Health status**



**Mortality/  
longevity**

Appleby PN, Thorogood M, Mann JI, Key TJA: The Oxford Vegetarian Study: an overview. *Am J Clin Nutr* 70, 525S-531, 1999

Burr ML, Butland BK: Heart disease in British vegetarians. *American Journal of Clinical Nutrition* 48, 830-32, 1988

Chang-Claude J, Hermann S, Eilber U, Steindorf K: Lifestyle Determinants and Mortality in German Vegetarians and Health-Conscious Persons: Results of a 21-Year Follow-up. *Cancer Epidemiology Biomarkers & Prevention* 14, 963-968, 2005

Fraser GE: Vegetarian diets: what do we know of their effects on common chronic diseases? *American Journal of Clinical Nutrition* 89, 1607S-1612S, 2009

Key TJ, Appleby PN, Davey GK, Alleen NE, Spencer EA, Travis RC: Mortality in British vegetarians: review and preliminary results from EPIC-Oxford. *American Journal of Clinical Nutrition* 78, 533S-538S, 2003

Key TJ, Fraser GE, Thorogood M, Appleby PN, Beral V, Reeves G, Burr ML, Chang-Claude J, Frentzel-Beyme R, Kuzma JW, Mann J, McPherson K: Mortality in vegetarians and nonvegetarians: detailed findings from a collaborative analysis of 5 prospective studies. *American Journal of Clinical Nutrition* 70, 516S-524S, 1999

Perry CL, Mc Guire MT, Neumark-Sztainer D, Story M: Characteristics of vegetarian adolescents in a multiethnic urban population. *Journal of Adolescent Health*, 29, 406-416, 2001

Snowdon DA, Phillips RL: Does a Vegetarian Diet Reduce the Occurrence of Diabetes? *Am Journal of Public Health* 75, 507-12, 1985

**Nutritional status**



**Health status**

Chang-Claude J, Hermann S, Eilber U, Steindorf K: Lifestyle Determinants and Mortality in German Vegetarians and Health-Conscious Persons: Results of a 21-Year Follow-up. *Cancer Epidemiology Biomarkers & Prevention* 14, 963-968, 2005

Chen YC, Chiang CL, Lin RS, Pu YS, Lai MK, Sung F-C: Diet, vegetarian food and prostate carcinoma among men in Taiwan. *British Journal of Cancer* 93, 1057-1061, 2005

Frentzel-Beyme R, Chang-Claude J: Vegetarian diets and colon cancer: the german experience. *The American Journal of Clinical Nutrition* 59, 1143-1152, 1994

Melby CL, Toohey ML, Cebrick J: Blood pressure and blood lipids among vegetarian, semivegetarian, and nonvegetarian African Americans. *American Journal of Clinical Nutrition* 59, 103-109, 1994

Pedersen AB, Bartholomew MJ, Dolence LA, Aljadir LP, Netteburg KL Lloyd: Menstrual differences due to vegetarian and nonvegetarian diets. *American Journal of Clinical Nutrition* 53, 879-85, 1991

Snowdon DA, Phillips RL: Does a Vegetarian Diet Reduce the Occurrence of Diabetes? *American Journal of Public Health* 75, 507-12, 1985

Travis RC, Allen NE, Appleby PN, Spencer EA, Roddam AW, Key TJ: A prospective study of vegetarianism and isoflavone intake in relation to breast cancer risk in British women. *International Journal of Cancer* 122, 705-710, 2007

**Intake**

**Nutritional status**

Ambroszkiewicz J, Laskowska-Klita T, Klemarczyk W: Low serum leptin concentration in vegetarian prepubertal children. Roczniki Akademii Medycznej w Białymstoku 49, 103-105, 2004

Anderson BM, Gibson RS, Sabry JH: The iron and zinc status of long-term vegetarian women. American Journal of Clinical Nutrition 34, 1042-1048, 1981

Appleby PN, Thorogood M, Mann JI, Key TJA: The Oxford Vegetarian Study: an overview. American Journal of Clinical Nutrition 70, 525S-531, 1999

Ball MJ, Barlett MA: Dietary intake and iron status of Australian vegetarian women. American Journal of Clinical Nutrition 70, 353-358, 1999

Burr ML, Butland BK: Heart disease in British vegetarians. American Journal of Clinical Nutrition 48, 830-832, 1988

Krause C, Chutsch M, Henke M, Hermann-Kunz E, Schwarz E, Thefeld W, Rottka H: Schwermetallgehalte in Körperflüssigkeiten bei Vegetariern und Nichtvegetariern. Aktuelle Ernährungsmedizin 14, 232-242, 1989

Lamberg-Allardt C, Kärkkäinen M, Seppänen R, Biström H: Low serum 25-hydroxyvitamin D concentrations and secondary hyperparathyroidism in middle-aged white strict vegetarians. American Journal of Clinical Nutrition 58, 684-689, 1993

Margni M, Rossier D, Crettaz P, Jolliet O: Life cycle impact assessment of pesticides on human health and ecosystems. Agriculture, Ecosystem and Environment 93, 379-392, 2002

Melby CL, Toohey ML, Cebrick J: Blood pressure and blood lipids among vegetarian, semivegetarian, and nonvegetarian African Americans. American Journal of Clinical Nutrition 59, 103-109, 1994

**Fortsetzung**

**Zurück zum Modell**

**Intake**



**Nutritional status**

Mezzano D, Munoz X, Martinez C, Cuevas A, Panes O, Aranda E, Guasch V, Strobel P, Munoz B, Rodriguez S, Pereira J, Leighton F: Vegetarians and cardiovascular risk factors: hemostasis, inflammatory markers and plasma homocysteine. *Thrombosis and Haemostasis* 81, 913-917, 1999

Millet P, Guillard JC, Fuchs F, Klepping J: Nutrient intake and vitamin status of healthy French vegetarians and nonvegetarians. *American Journal of Clinical Nutrition* 50, 718-27, 1989

Peeters PHM, Slimani N, Schouw van YT, Grace PB, Navarro C, Tjonneland A, Olsen A, Clavel-Chapelon F, Touillaud M, Boutron-Ruault MC, Jenab M, Kaaks R, Linseisen J, Trichopoulou A, Trichopoulos D, Dilis V, Boeing H, Weikert C, Overvad K, Pala V, Palli D, Panico S, Tumino R, Vineis P, Bueno-de-Mesquita HB, Gils van CH, Skeie G, Jakszyn P, Hallmans G, Berglund G, Key TJ, Travis R, Riboli E, Bingham SA: Variations in Plasma Phytoestrogen Concentrations in European Adults. *The Journal of Nutrition* 5, 1294-1300, 2007

Rosell MS, LLoyd-Wright Z, Appleby PN, Sanders TAB, Allen NE, Key TJ: Long-chain n-3 polyunsaturated fatty acids in plasma British meat-eating, vegetarian, and vegan men. *American Journal of Clinical Nutrition* 82, 327-334, 2005

Shultz TD, Leklem JE: Vitamin B-6 status and bioavailability in vegetarian women. *American Journal of Clinical Nutrition* 46, 647-651, 1987

Specker BL: Nutritional concerns of lactating women consuming vegetarian diets. *American Journal of Clinical Nutrition* 59 (suppl), 1182S-6S, 1994

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

## Vegetarian nutrition

## Intake

Anderson BM, Gibson RS, Sabry JH: The iron and zinc status of long-term vegetarian women. *American Journal of Clinical Nutrition* 34, 1042-1048, 1981

Ball MJ, Barlett MA: Dietary intake and iron status of Australian vegetarian women. *American Journal of Clinical Nutrition* 70, 353-358, 1999

Barr SI, Janelle KC, Prior JC: Vegetarian vs nonvegetarian diets, dietary restraint, and subclinical ovulatory disturbances: prospective 6-mo study. *American Journal of Clinical Nutrition* 60, 887-894, 1994

Cade JE, Burley VJ, Greenwood DC, Williams R, Forman D, Thorogood M, Barrett J, Margetts B: The UK Women's Cohort Study: comparison of vegetarians, fish-eaters and meat-eaters. *Public Health Nutrition* 7, 871-878, 2004

Lamberg-Allardt C, Kärkkäinen M, Seppänen R, Biström H: Low serum 25-hydroxyvitamin D concentrations and secondary hyperparathyroidism in middle-aged white strict vegetarians. *American Journal of Clinical Nutrition* 58, 684-689, 1993

Melby CL, Toohey ML, Cebrick J: Blood pressure and blood lipids among vegetarian, semivegetarian, and nonvegetarian African Americans. *American Journal of Clinical Nutrition* 59, 103-109, 1994

Mezzano D, Munoz X, Martinez C, Cuevas A, Panes O, Aranda E, Guasch V, Strobel P, Munoz B, Rodriguez S, Pereira J, Leighton F: Vegetarians and cardiovascular risk factors: hemostasis, inflammatory markers and plasma homocysteine. *Thrombosis and Haemostasis* 81, 913-917, 1999



## Vegetarian nutrition

## Intake

Millet P, Guillard JC, Fuchs F, Klepping J: Nutrient intake and vitamin status of healthy French vegetarians and nonvegetarians. *American Journal of Clinical Nutrition* 50, 718-727, 1989

Outila TA, Kärkkäinen MUM, Seppänen RH, Lamberg-Allardt JCE: Dietary intake of vitamin D in premenopausal, healthy vegans was insufficient to maintain concentrations of serum 25-hydroxyvitamin D and intact parathyroid hormone within normal ranges during the winter in Finland. *Journal of the American Dietetic Association* 100, 434-441, 2000

Pedersen AB, Bartholomew MJ, Dolence LA, Aljadir LP, Netteburg KL Lloyd: Menstrual differences due to vegetarian and nonvegetarian diets. *American Journal of Clinical Nutrition* 53, 879-885, 1991

Peeters PHM, Slimani N, Schouw van YT, Grace PB, Navarro C, Tjonneland A, Olsen A, Clavel-Chapelon F, Touillaud M, Boutron-Ruault MC, Jenab M, Kaaks R, Linseisen J, Trichopoulou A, Trichopoulos D, Dilis V, Boeing H, Weikert C, Overvad K, Pala V, Palli D, Panico S, Tumino R, Vineis P, Bueno-de-Mesquita HB, Gils van CH, Skeie G, Jakszyn P, Hallmans G, Berglund G, Key TJ, Travis R, Riboli E, Bingham SA: Variations in Plasma Phytoestrogen Concentrations in European Adults. *The Journal of Nutrition* 137, 1294-1300, 2007

Shultz TD, Leklem JE: Vitamin B-6 status and bioavailability in vegetarian women. *American Journal of Clinical Nutrition* 46, 647-651, 1987

Specker BL: Nutritional concerns of lactating women consuming vegetarian diets. *American Journal of Clinical Nutrition* 59 (suppl), 1182S-6S, 1994

**Food labeling**



**Development/  
production of  
vegetarian products**

Eco-World: Vegetarische Produktkennzeichnung... Namhafte Hersteller übernehmen Vorreiterrolle. Internet:  
[http://www.eco-world.de/scripts/basics/econews/basics.prg?a\\_no=8628](http://www.eco-world.de/scripts/basics/econews/basics.prg?a_no=8628) (21.7.2009)

**Demand**



**Development/  
production of  
vegetarian products**

COOP: Finanz- und Geschäftsbericht 2006. Internet: [http://www.coop.ch/pb/site/common/get/documents/system/elements/ueber/zahlen\\_fakten/\\_pdf/de/gb06-rechen-de-0.pdf](http://www.coop.ch/pb/site/common/get/documents/system/elements/ueber/zahlen_fakten/_pdf/de/gb06-rechen-de-0.pdf) (8.11.2007)

**Development/  
production of  
vegetarian products**



**Supply**

COOP: Finanz- und Geschäftsbericht 2006. Internet: [http://www.coop.ch/ueber/zahlen\\_fakten/\\_pdf/de/gb06-rechen-de-0.pdf](http://www.coop.ch/ueber/zahlen_fakten/_pdf/de/gb06-rechen-de-0.pdf) (8.11.2007)

**Demand**



**Supply**

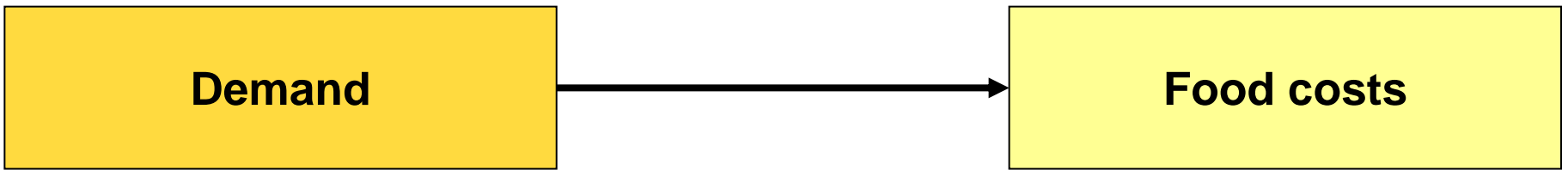
Mankiw G: Grundzüge der Volkswirtschaftslehre. Schäffer-Poeschel Verlag, Stuttgart, 2. überarbeitete Auflage, 2001

**Supply**



**Demand**

Mankiw G: Grundzüge der Volkswirtschaftslehre. Schäffer-Poeschel Verlag, Stuttgart, 2. überarbeitete Auflage, 2001



Mankiw G: Grundzüge der Volkswirtschaftslehre. Schäffer-Poeschel Verlag, Stuttgart, 2. überarbeitete Auflage, 2001

Raynor H, Kilanowski C, Esterlis I, Epstein L: A cost-analysis of adopting a healthful diet in a family-based obesity treatment program. Journal of the American Dietetic Association 102, 645-650, 2002

**Supply**



**Food costs**

Mankiw G: Grundzüge der Volkswirtschaftslehre. Schäffer-Poeschel Verlag, Stuttgart, 2. überarbeitete Auflage, 2001



**Food costs**



**Demand**

Bodenstein G, Spiller A, Zühlsdorf A: Umweltschützer als Zielgruppe des ökologie-orientierten Innovationsmarketing – Ergebnisse einer Befragung von BUND-Mitgliedern, Diskussionsbeitrag des Fachbereichs Wirtschaftswissenschaften der Universität Duisburg Nr. 246, Duisburg, 1998

## Vegetarian nutrition

## Food costs

Cade J, Upmeier H, Calvert C, Greenwood D: Costs of a healthy diet: analysis from the UK women's cohort study. *Public Health Nutrition* 2, 505-512, 1999

Drewnowski A, Darmon N: Food choices and diet costs: an economic analysis. *Journal of Nutrition* 135, 900-904, 2005

Karg G, Keck J, Lehmann M: Vergleich von Qualität und Kosten verschiedener Ernährungsformen. *Ernährungs-Umschau* 31, 363-372, 1984

Karg G, Ohmayer G, Piekarski J: Verteilung von Energie- und Nährstoffgehalt sowie Lebensmittelkosten von Speiseplänen der "Planung der Ernährung in privaten Haushalten". *Ernährungs-Umschau* 32, 242-243, 1985

Koerber v K, Kretschmer J: Ernährung nach den vier Dimensionen. Wechselwirkungen zwischen Ernährung, Umwelt, Wirtschaft, Gesellschaft und Gesundheit. *Ernährung & Medizin* 21, 178-185, 2006

Maillot M, Darmon N, Darmon M, Lafay L, Drewnowski A: Nutrient-dense food groups have high energy costs: An econometric approach to nutrient profiling. *Journal of Nutrition* 137, 1815-1820, 2007

**Emission of  
greenhouse gases**



**External costs**

Foodwatch (e.V. Berlin): Was kostet ein Schnitzel wirklich? - Der foodwatch-Report über falsche Preise und wahre Kosten der Fleischproduktion. Berlin, 2004

Korbun T, Steinfeldt M, Kohlschütter N, Naumann S, Nischwitz G, Hirschfeld J, Walter S: Was kostet ein Schnitzel wirklich? Ökologisch-ökonomischer Vergleich der konventionellen und der ökologischen Produktion von Schweinefleisch in Deutschland. Schriftenreihe des IÖW 171/04. Institut für ökologische Wirtschaftsforschung (IÖW), Berlin, 2004

**Fodder**



**Import/  
export**

Koerber v K, Kretschmer J: Zukunftsfähige Ernährung. Gesundheits-, Umwelt-, Wirtschafts- und Sozialverträglichkeit im Lebensmittelbereich. Zeitschrift für Ernährungsökologie 1, 39-46, 2000

**Pesticides**



**Consumption**

Margni M, Rossier D, Crettaz P, Jolliet O: Life cycle impact assessment of pesticides on human health and ecosystems. Agriculture, Ecosystem and Environment 93, 379-392, 2002

**Fodder**



**Plant/animal  
production**

Koerber v K und Kretschmer J: Ernährung nach den vier Dimensionen. Wechselwirkungen zwischen Ernährung und Umwelt, Wirtschaft, Gesellschaft und Gesundheit. Ernährung & Medizin 21, 178-185, 2006

Zehnder AJB, Yang H, Schertenleib R: Water issues: the need for action at different levels. Aquatic Science 65, 1-20, 2003

**Fodder**



**Fertilizer**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Fodder**



**Agricultural land**

McMichael AJ, Powles JW, Butler CD, Uauy R: Food, livestock production, energy, climate change, and health. Lancet 370, 1253-1263, 2007

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006



**Fodder**



**Pesticides**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Pesticides**



**Water quality**

Margni M, Rossier D, Crettaz P, Jolliet O: Life cycle impact assessment of pesticides on human health and ecosystems. Agriculture, Ecosystem and Environment 93, 379-392, 2002

**Fertilizer**



**Water quality**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Fertilizer**



**Soil quality/  
erosion**

Fleissbach A, Mäder P, Pfiffner L, Dubois D, Gunst L: Bio fördert Bodenfruchtbarkeit und Artenvielfalt,. FiBL (Forschungsinstitut für biologischen Landbau), FAL (Eidgenössische Forschungsanstalt für Agrarökologie und Landbau) (Hrsg): FiBLDossier, Erkenntnisse aus 21 Jahren DOK-Versuch - FAL. Nr. 1, 2. Auflage, 2000

**Pesticides**



**Soil quality/  
erosion**

Margni M, Rossier D, Crettaz P, Jolliet O: Life cycle impact assessment of pesticides on human health and ecosystems. *Agriculture, Ecosystem and Environment* 93, 379-392, 2002

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: *Livestock's long shadow. Environmental issues and options.* FAO, Rom, 2006

**Fertilizer**



**Emission of  
greenhouse gases**

Carlsson-Kanyama A: Climate change and dietary choices – how can emission of greenhouse gases from food consumption be reduced? Food Policy 23, 277-293, 1998

**Soil quality/  
erosion**



**Water quality**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Primary  
energy use**



**Emission of  
greenhouse gases**

IPCC (Intergovernmental Panel on Climate Change): Climate change 2007: Synthesis report. An assessment of the Intergovernmental Panel on Climate Change, 2007

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

Weber CL, Matthews HS: Food-miles and the relative climate impacts of food choices in the United States. Environmental Science & Technology 42, 3508-3513, 2008



**Food supply chain**



**Primary  
energy use**

Foster C, Green K, Bleda M, Dewick P: Environmental impacts of food production and consumption: final report to the Department for Environment Food and Rural Affairs. Manchester Business School, University of Manchester, 2006

**Food supply chain**

**Emission of  
greenhouse gases**

Carlsson-Kanyama A: Climate change and dietary choices – how can emission of greenhouse gases from food consumption be reduced? *Food Policy* 23, 277-293, 1998

Carlsson-Kanyama A, González AD: Potential contributions of food consumption patterns to climate change. *American Journal of Clinical Nutrition* 89, 1704S-1709S, 2009

Eshel G, Martin PA: Diet, energy, and global warming. *Earth Interactions* 10, 2006

Foster C, Green K, Bleda M, Dewick P: Environmental impacts of food production and consumption: final report to the Department for Environment Food and Rural Affairs. Manchester Business School, University of Manchester, 2006

Fritsche UR, Eberle U: Treibhausgasemissionen durch Erzeugung und Verarbeitung von Lebensmitteln. Arbeitspapier, Öko-Institut e.V., 2007

Levy PE, Mobbs DC, Jones SK, Milne R, Campbell C, Sutton MA: Simulation of fluxes of greenhouse gases from European grasslands using the DNDC model. *Agriculture, Ecosystems and Environment* 121, 186-192, 2007

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Plant/animal  
production**



**Soil quality/  
erosion**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Plant/animal  
production**



**Water**

Steinfeld H, Gerber P, Wassenaar T, Castel V, Rosales M, de Haan C: Livestock's long shadow. Environmental issues and options. FAO, Rom, 2006

**Water quality**



**External costs**

Foodwatch (e.V. Berlin): Was kostet ein Schnitzel wirklich? - Der foodwatch-Report über falsche Preise und wahre Kosten der Fleischproduktion. Berlin, 2004

Korbun T, Steinfeldt M, Kohlschütter N, Naumann S, Nischwitz G, Hirschfeld J, Walter S: Was kostet ein Schnitzel wirklich? Ökologisch-ökonomischer Vergleich der konventionellen und der ökologischen Produktion von Schweinefleisch in Deutschland. Schriftenreihe des IÖW 171/04. Institut für ökologische Wirtschaftsforschung (IÖW), Berlin, 2004

**Soil quality/  
erosion**



**External costs**

Foodwatch (e.V. Berlin): Was kostet ein Schnitzel wirklich? - Der foodwatch-Report über falsche Preise und wahre Kosten der Fleischproduktion. Berlin, 2004

Korbun T, Steinfeldt M, Kohlschütter N, Naumann S, Nischwitz G, Hirschfeld J, Walter S: Was kostet ein Schnitzel wirklich? Ökologisch-ökonomischer Vergleich der konventionellen und der ökologischen Produktion von Schweinefleisch in Deutschland. Schriftenreihe des IÖW 171/04. Institut für ökologische Wirtschaftsforschung (IÖW), Berlin, 2004

**Emission of  
greenhouse gases**



**Health status**

Belpomme D, Irigaray P, Hardell L, Clapp R, Montagnier L, Epstein S, Sasco AJ: The multitude and diversity of environmental carcinogens. Environmental Research 105, 414-429, 2007

McMichael AJ, Woodruff RE, Hales S: Climate change and human health: present and future risks. Lancet 367, 859-869, 2006

**Food supply chain**



**Demand**

Hoek AC, Luning PA, Stafleu A, Graaf de C: Food-related lifestyle and health attitudes of Dutch vegetarians, non-vegetarian consumers of meat substitutes, and meat consumers. *Appetite* 42, 265-272, 2004

Maurer D: *Vegetarianism. Movement or Moment?* Temple University Press, Philadelphia, 2002



**Demand**



**Food supply chain**

BMLFUW (Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft) (Hrsg):  
Lebensmittelbericht Österreich 2006. Wertschöpfungskette Agrarerzeugnisse – Lebensmittel und Getränke.  
Wien, 2006 Internet: <http://lebensmittel.lebensministerium.at/article/articleview/53370/1/17113> (14.11.2007)

Statistisches Bundesamt (Hrsg): Landwirtschaft in Deutschland und der Europäischen Union 2006.  
Wiesbaden, 2006c Internet: <https://www-ec.destatis.de/csp/shop/sfg/bpm.html.cms.cBroker.cls?cmspath=struktur,vollanzeige.csp&ID=1018448> (21.11.2007)

**Food supply chain**



**Food labeling**

Eco-World: Vegetarische Produktkennzeichnung... Namhafte Hersteller übernehmen Vorreiterrolle. Internet:  
[http://www.eco-world.de/scripts/basics/econews/basics.prg?a\\_no=8628](http://www.eco-world.de/scripts/basics/econews/basics.prg?a_no=8628) (21.07.2009)

**Import/  
export**



**Transportation**

Blanke MM, Burdick B: Food (miles) for thought. Energy balance for locally-grown versus imported apple fruit. Environmental Science and Pollution Research 12, 125-127, 2005

Lauber I, Hoffmann I: Gütertransporte im Zusammenhang mit dem Lebensmittelkonsum in Deutschland Teil I: Ausmaß und Verteilung. Zeitschrift für Ernährungsökologie 2, 108-113, 2001

**Plant/animal  
production**



**Import/  
export**

Statistisches Bundesamt (Hrsg): Gemüseanbau in Deutschland von 2000 bis 2004. Wirtschaft und Statistik 5/2005. Wiesbaden, 2005