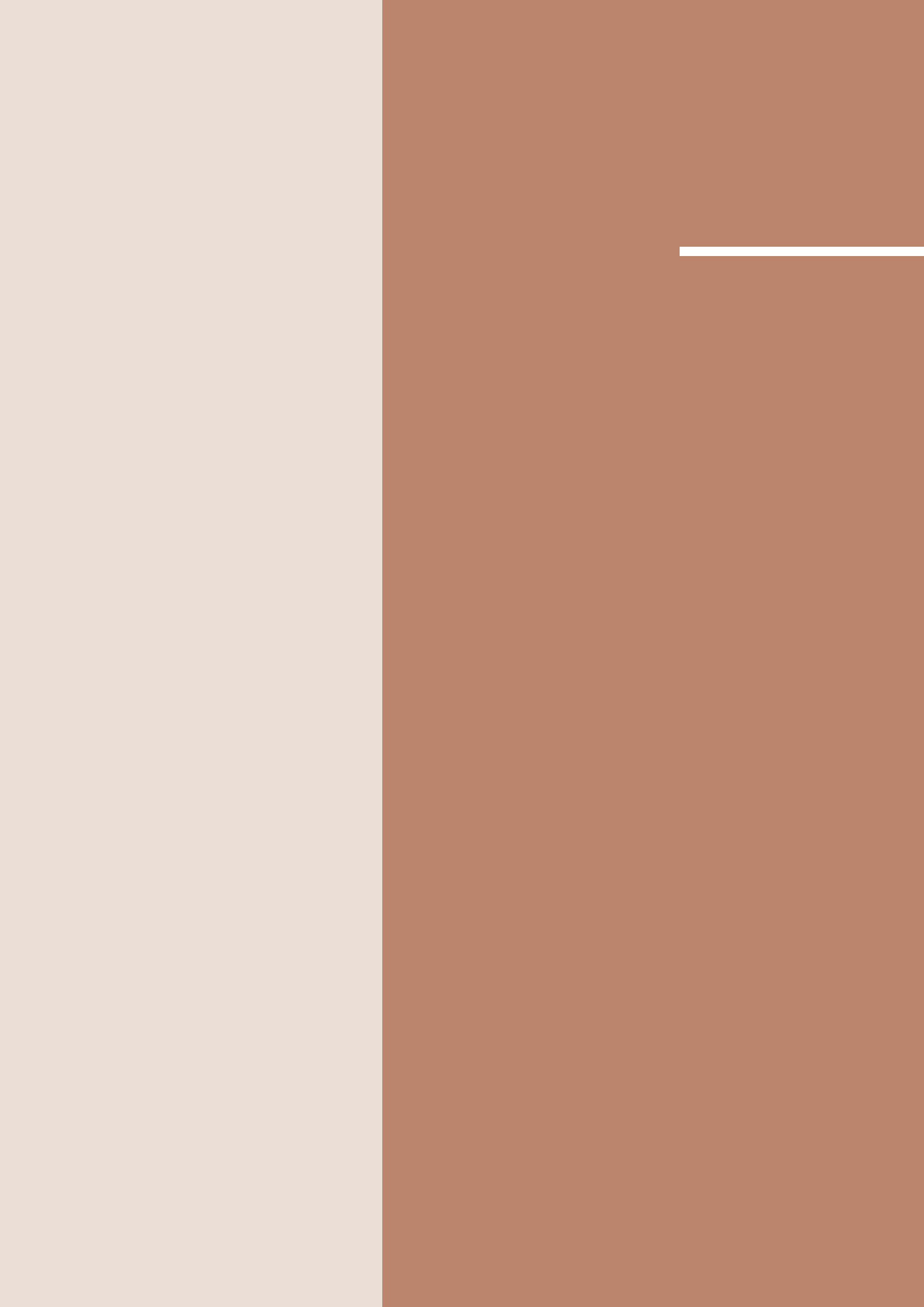


● المراجع

● الفصول الخاصة من  
حالة الأغذية والزراعة



- Ashdown, S.** 1992. Adat and the buffalo in South Sulawesi. In P.W. Daniels, S. Holden, E. Lewin & S. Dadi, eds. *Livestock services for smallholders: a critical evaluation. Proceedings of a seminar held in Yogyakarta, Indonesia, 15–21 November 1992*, pp. 240–242. Indonesia, Indonesian International Animal Science Research and Development Foundation.
- Ayele, Z. & Peacock, C.** 2003. Improving access to and consumption of animal source foods in rural households: the experiences of a women-focused goat development program in the highlands of Ethiopia. *Journal of Nutrition*, 133: 3981S–3986S.
- Barker, T., Bashmakov, I., Bernstein, L., Bogner, J.E., Bosch, P.R., Dave, R., Davidson, O.R., Fisher, B.S., Gupta, S., Halsnæs, K., Heij, G.J., Kahn Ribeiro, S., Kobayashi, S., Levine, M.D., Martino, D., Masera, L.O., Metz, B., Meyer, L.A., Nabuurs, G.-J., Najam, A., Nakicenovic, N., Rogner, H. -H., Roy, J., Sathaye, J., Schock, R., Shukla, P., Sims, R. E. H., Smith, P.D., Tirpak, A., Urge-Vorsatz, D. & Zhou, D.** 2007: Technical Summary. In B. Metz, O.R. Davidson, P.R. Bosch, R. Dave & L.A. Meyer, eds. *Climate Change 2007: Mitigation. Contribution of Working Group III to the Fourth Assessment. Report of the Intergovernmental Panel on Climate Change*. Cambridge, UK and New York, USA, Cambridge University Press.
- Bingsheng, K. & Yijun, H.** 2008. Poultry sector in China: structural changes during the past decade and future trends. In: *Poultry in the 21st century: avian influenza and beyond. Proceedings of the International Poultry Conference, Bangkok, November 2007*, pp. 25–26. FAO Animal Production and Health Proceedings No. 9. Rome, FAO.
- Bio-Era.** 2005. *Economic risks associated with an influenza pandemic*. Prepared testimony of James Newcomb, Managing Director for Research, Bio Economic Research Associates, before the United States Senate Committee on Foreign Relations, November 9, 2005.
- Birner, R.** 1999. *The role of livestock in agricultural development. Theoretical approaches and their application in the case of Sri Lanka*. Aldershot, UK, Ashgate.
- Brown, C.G. & Waldron, S.A.** 2003. Case study: beef industry in China. In L.J. Unnevehr, ed. *Food safety in food security and food trade*.
- Abe, K., Yamamoto, S. & Shinagawa, K.** 2002. Economic impact of an *Escherichia coli* O157: H7 outbreak in Japan. *Journal of Food Protection*, 65(1): 66–72.
- AHA (Animal Health Australia).** 2009. *Corporate information* (available at [www.animalhealthaustralia.com.au/corporate/corporate\\_home.cfm](http://www.animalhealthaustralia.com.au/corporate/corporate_home.cfm)).
- Ahuja, V., ed.** 2004. *Livestock and livelihoods: challenges and opportunities for Asia in the emerging market environment*. Anand, India, National Dairy Development Board, and Rome, FAO, Pro-Poor Livestock Policy Facility (South Asia Hub).
- Ahuja, V. & Sen, A.** 2008. Scope and space for small-scale poultry production in developing countries. In: *Poultry in the 21st century: avian influenza and beyond. Proceedings of the International Poultry Conference, Bangkok, November 2007*, pp. 61–62. FAO Animal Production and Health Proceedings No. 9. Rome, FAO.
- Ahuja, V., Dhawan, M., Punjabi, M. & Maarse, L.** 2008. *Poultry based livelihoods of the rural poor: case of Kuroiler in West Bengal*. Study Report. Doc 012. South Asia Pro-Poor Livestock Policy Programme (available at [sappplpp.org/informationhub/files/doc012-PoultryBasedLRP-Kuroiler-updated09Mar31.pdf](http://sappplpp.org/informationhub/files/doc012-PoultryBasedLRP-Kuroiler-updated09Mar31.pdf)).
- Alders, R.G., Azhar, M., Brum, E., Lubis, A.S., McGrane, J., Morgan, I., Roeder, P. & Sawitri Siregar, E.** In press. Participatory disease surveillance and response in Indonesia: strengthening veterinary services and empowering communities to prevent and control highly pathogenic avian influenza. *Avian Diseases*.
- Alston, J.M., Marra, M.C., Pardey, P.G. & Wyatt, T.J.** 2000. Research returns redux: a meta-analysis of the returns to agricultural R&D. *Australian Journal of Agricultural and Resource Economics*, 44(2): 185–215.
- Anriquez, G.** Forthcoming. *Rural feminization and the gender burden: a cross-country examination*. Rome, FAO.
- Archer, D.L. & Kvenberg, J.E.** 1985. Incidence and cost of foodborne diarrheal disease in the United States. *Journal of Food Protection*, 48(10): 882–894.

- Delgado, C., Narrod, C. & Tiongco, M.** 2008. *Determinants and implications of the growing scale of livestock farms in four fast-growing developing countries*. Research Report No. 157. Washington, DC, International Food Policy Research Institute.
- Delgado, C., Rosegrant, M., Steinfeld, H., Ehui, S. & Courbois, C.** 1999. *Livestock to 2020. The next food revolution*. Food, Agriculture and the Environment Discussion Paper No. 28. Washington, DC, International Food Policy Research Institute, Rome, FAO, and Nairobi, International Livestock Research Institute.
- Demment, M.W., Young, M.M. & Sensenig, R.L.** 2003. Providing micronutrients through food-based solutions: a key to human and national development. *Journal of Nutrition*, 133: 3879S–3885S.
- Dolberg, F.** 2004. Review of household poultry production as a tool in poverty reduction with focus on Bangladesh and India. In V. Ahuja, ed. *Livestock and livelihoods: challenges and opportunities for Asia in the emerging market environment*. India, National Dairy Development Board, and Rome, FAO, Pro-Poor Livestock Policy Facility (South Asia Hub).
- Dourmad, J., Rigolot, C., & van der Werf, H.** 2008. Emission of greenhouse gas: developing management and animal farming systems to assist mitigation. In P. Rowlinson, M. Steele & A. Nefzaoui, eds. *Livestock and global change*. Proceedings of an international conference, Hammamet, Tunisia, 17–20 May 2008. Cambridge, UK, Cambridge University Press.
- EEA (European Environment Agency).** 2003. *Europe's environment: the third assessment*. Copenhagen.
- Fafchamps, M. & Gavian, S.** 1997. The determinants of livestock prices in Niger. *Journal of African Economies*, 6(2): 255–295.
- Fang, C.** 2009. *How China stabilized grain prices during global price crisis: lessons learned*. Paper presented for the workshop Rice Policies in Asia, Chiang Mai, Thailand, 10–12 February 2009.
- FAO.** 2004a. *The State of Food Insecurity in the World 2004*. Rome.
- FAO.** 2004b. *Building on gender, agrobiodiversity and local knowledge, a training manual* (available at [ftp.fao.org/docrep/fao/009/y5956e/y5956e00.pdf](ftp://ftp.fao.org/docrep/fao/009/y5956e/y5956e00.pdf)).
- FAO.** 2005. *The dynamics of sanitary and technical requirements: assisting the poor to cope*. Expert Consultation, 22–24 June 2004. FAO Animal Brief 13 of 17. 2020 Focus 10. Washington, DC, International Food Policy Research Institute (available at [www.ifpri.org/2020/focus/focus10/focus10.pdf](http://www.ifpri.org/2020/focus/focus10/focus10.pdf)).
- Bruinsma, J., ed.** 2003. *World agriculture: towards 2015/2030. An FAO perspective*. London, Earthscan Publications.
- CAST (Council for Agricultural Science and Technology).** 2001. *Role of animal agriculture in the human food supply*. Ames, USA.
- Clarke, D. & McKenzie, T.** 2007. *Legislative interventions to prevent and decrease obesity in Pacific Island countries*. Report to WHO. WPRO (available at [www.wpro.who.int/internet/resources.ashx/NUT/Final+obesity+report.pdf](http://www.wpro.who.int/internet/resources.ashx/NUT/Final+obesity+report.pdf)).
- Costales, A. & Catelo, M.A.O.** 2008. *Contract farming as an institution for integrating rural smallholders in markets for livestock products in developing countries: (I) Framework and applications*. PPLPI Research Report No. 08-12 (available at [www.fao.org/ag/againfo/programmes/en/pplpi/docarc/rep-0812\\_contractfarming.pdf](http://www.fao.org/ag/againfo/programmes/en/pplpi/docarc/rep-0812_contractfarming.pdf)).
- Costales, A.C., Pica-Ciamarra, U. & Otte, J.** 2007. *Livestock in a changing landscape: Social consequences for mixed crop–livestock production systems in developing countries*. PPLPI Research Report No. 07-05 (available at [www.fao.org/ag/againfo/programmes/en/pplpi/docarc/rep-0705\\_1stlandscape.pdf](http://www.fao.org/ag/againfo/programmes/en/pplpi/docarc/rep-0705_1stlandscape.pdf)).
- Cunningham, E.P., ed.** 2003. *After BSE – a future for the European livestock sector*. EAAP Publication No. 108. Wageningen, The Netherlands, Academic Publishers.
- Dalgaard, T., Børgesen, C.D., Hansen, J.F., Hutchings, N.J., Jørgensen, U. & Kyllingsbæk, A.** 2004. How to halve N-losses, improve N-efficiencies and maintain yields? The Danish case. In Z. Zhu, K. Minami & G. Xing, eds. *3rd International Nitrogen Conference. Contributed Papers*, pp. 291–296. Monmouth Junction, USA, Science Press.
- Datt, G. & Ravallion, M.** 1998. *Farm productivity and rural poverty in India*. FCND Discussion Papers No. 42. Washington, DC, International Food Policy Research Institute.
- de Castro, J.J.** 1997. Sustainable tick and tickborne disease control in livestock improvement in developing countries. *Veterinary Parasitology*, 71(2–3): 77–97.
- de Wit, J., van de Meer, H.G. & Nell, A.J.** 1997. Animal manure: asset or liability? *World Animal Review*, 88 (available at [www.fao.org/ag/AGA/AGAP/FRG/FEEDback/War/W5256t/W5256t05.htm#TopOfPage](http://www.fao.org/ag/AGA/AGAP/FRG/FEEDback/War/W5256t/W5256t05.htm#TopOfPage)).

- FAO, OIE (World Organisation for Animal Health), WHO (World Health Organization), UN System Influenza Coordination, UNICEF (United Nations Children's Fund) and The World Bank. 2008. *Contributing to One World, One Health. A strategic framework for reducing risks of infectious diseases at the animal-human-ecosystems interface* (available at [ftp.fao.org/docrep/fao/011/aj137e/aj137e00.pdf](ftp://ftp.fao.org/docrep/fao/011/aj137e/aj137e00.pdf)).
- Frenzen, P.D., Drake, A. & Angulo, F.J. 2005. Economic cost of illness due to *Escherichia coli* O157 infections in the United States. *Journal of Food Protection*, 68(12):2623–2630.
- Frohberg, K. 2009. *Trends in vertical integration and vertically coordinated processing in livestock supply chains*. SOFA 2009 background paper. Unpublished. Rome, FAO.
- Gallup, J., Radelet, S. & Warner, A. 1997. *Economic growth and the income of the poor*. CAER II Discussion Paper No. 36. Boston, USA, Harvard Institute for International Development.
- Gardner, G. & Halwell, B. 2000. *Underfed and overfed: the global epidemic of malnutrition*. Worldwatch Paper No. 150. Washington, DC, Worldwatch Institute.
- Gellynck, X., Messens, W., Halet, D., Grijspeerd, K., Hartnett, E. & Viaene, J. 2008. Economics of reducing *Campylobacter* at different levels within the Belgian poultry meat chain. *Journal of Food Protection*, 71(3): 479–485.
- Gulati, A. & Dutta, M. 2009. *Rice policies in India in the context of global rice price spike*. Paper presented for the workshop Rice Policies in Asia, Chiang Mai, Thailand, 10–12 February 2009.
- Hall, A. & Dijkman, J. 2008. *New global alliances: the end of development assistance?* LINK News bulletin, August 2008 (available at [innovationstudies.org/index.php?option=com\\_docman&task=doc\\_download&gid=2&Itemid=9999999](http://innovationstudies.org/index.php?option=com_docman&task=doc_download&gid=2&Itemid=9999999)).
- Hamilton, K., Sjardin, M., Marcello, T. & Xu, G. 2008. *Forging a frontier: state of the voluntary carbon markets 2008*. New York, USA, and Washington, DC, Ecosystem Market Place and New Carbon Finance.
- Harkin, T. 2004. *Economic concentration and structural change in the food and agriculture sector*. Washington, DC, United States Senate.
- Harris, M. 1978. *Cows, pigs, wars and witches: the riddles of culture*. New York, USA, Vintage Books.
- Hartono, D. 2004. *Economic impact of AI on price and supply of poultry product*. Paper presented Production and Health Proceedings No. 4. Rome.
- FAO. 2006. *Livestock Report 2006*. Rome.
- FAO. 2007a. *The State of Food and Agriculture 2007: paying farmers for environmental services*. FAO Agriculture Series No. 38. Rome.
- FAO. 2007b. *Global plan of action for animal genetic resources and the Interlaken Declaration*. Adopted by the International Technical Conference on Animal Genetic Resources for Food and Agriculture, Interlaken, Switzerland, 3–7 September 2007. Rome.
- FAO. 2007c. *The State of the World's Animal Genetic Resources for Food and Agriculture*, by B. Rischkowsky & D. Pilling, eds. Rome.
- FAO. 2008a. *Capacity building to implement good animal welfare practices*. Report of the FAO Expert Meeting, 30 September–3 October 2008. Rome.
- FAO. 2008b. *The State of Food and Agriculture 2008*. Rome.
- FAO. 2008c. *The State of Food Insecurity in the World 2008*. Rome.
- FAO. 2009a. Rural Income Generating Activities database (available at [www.fao.org/es/ESA/riiga/english/index\\_en.htm](http://www.fao.org/es/ESA/riiga/english/index_en.htm)).
- FAO. 2009b. FAOSTAT statistical database. Rome (available at [faostat.fao.org](http://faostat.fao.org)).
- FAO. 2009c. *The State of Food Insecurity in the World 2009*. Rome.
- FAO. 2009d. *Crop Prospects and Food Situation*. No. 2, April 2009. Rome.
- FAO. 2009e. *Policy responses to higher food prices*. Committee on Commodity Problems, Sixty-seventh Session, CCP 09/8. Rome.
- FAO. 2009f. *Country responses to the food security crisis: nature and preliminary implications of the policies pursued*, by M. Demeke, G. Pangrazio & M. Maetz. FAO Initiative on Soaring Food Prices. Rome.
- FAO, IIED (International Institute for Environment and Development) & IFAD (International Fund for Agricultural Development). 2009. *Land grab or development opportunity? Agricultural investment and international land deals in Africa*, by L. Cotula, S. Vermeulen, R. Leonard & J. Keeley. Rome, FAO and IFAD. London, IIED (available at [www.fao.org/docrep/011/ak241e/ak241e00.htm](http://www.fao.org/docrep/011/ak241e/ak241e00.htm)).
- FAO, World Bank & OIE (World Organisation for Animal Health). 2008. *Biosecurity for highly pathogenic avian influenza: issues and options*. FAO Animal Production and Health Paper No. 165. Rome, FAO.



- Workshop on Area-wide integration of Crop-Livestock Activities*. Bangkok, FAO.
- Kennedy, G., Nantel, G. & Shetty, P.** 2004. Globalization of food systems in developing countries: a synthesis of country case studies. In FAO. *Globalization of food systems in developing countries: impact on food security and nutrition*. FAO Food and Nutrition Paper No. 83. Rome, FAO.
- King, B.S., Tietjen, J.L. & Vickner, S.S.** 2000. *Consumer trends and opportunities*. Lexington, USA, University of Kentucky.
- Kotter, J.** 2005. *Our iceberg is melting*. London, Macmillan.
- Leslie, J., Barozzi, J. & Otte, M.J.** 1997. The economic implications of a change in FMD policy: a case study in Uruguay. *Épidémiologie et Santé Animale*, 31/32: 10.21.1–10.21.3.
- Livestock in Development.** 1999. *Livestock in poverty-focused development*. Somerset, UK, Crewkerne.
- Lovett, D.K., Stack, L.J., Lovell, S., Callan, J., Flynn, B., Hawkins, M. & O'Mara, F.P.** 2005. Manipulating enteric methane emissions and animal performance of late-lactation dairy cows through concentrate supplementation at pasture. *Journal of Dairy Science*, 88: 2836–2842.
- Maes, E., Lecomte, P. & Ray, N.** 1998. A cost-of-illness study of Lyme disease in the United States. *Clinical Therapeutics*, 20: 993–1008.
- Mariner, J.C. & Roeder, P.L.** 2003. Use of participatory epidemiology in studies of the persistence of lineage 2 rinderpest virus in East Africa. *The Veterinary Record*, 152(21): 641–647.
- Maxwell, S. & Slater, R.** 2003. Food policy old and new. *Development Policy Review*, 21(5–6): 531–553.
- McKay, J.C.** 2008. The genetics of modern commercial poultry. In: *Proceedings of the 23rd World's Poultry Congress, Brisbane, Australia, 30 June to 4 July 2008*. (CD-ROM). Beekbergen, The Netherlands, World's Poultry Science Association.
- McMichael, A.J., Powles, J.W., Butler, C.D. & Uauy, R.** 2007. Food, livestock production, energy, climate change and health. *The Lancet*, 370: 1253–1263.
- MEA (Millennium Ecosystem Assessment).** 2005. *Ecosystems and human well-being: synthesis*. Washington, DC, Island Press.
- Mellor, P.S. & Boorman, J.** 1995. The transmission and geographical spread of African horse sickness and bluetongue viruses. *Annals of Tropical Medicine and Parasitology*, 89: 1–15.
- at the National Workshop on Post Avian Influenza Recovery, Jakarta, Indonesia, 4–5 October 2004.
- Hoffman, M.T. & Vogel, C.** 2008. Climate change impacts on African rangelands. *Rangelands*, 30: 12–17.
- Horowitz, M.** 2001. *The culture role of agriculture: scope documentation and measurement*. Paper presented at the First Expert Meeting on the Documentation and Measurement of Roles in Agriculture in Developing Countries. Rome, FAO.
- Hunton, P.** 1990. Industrial breeding and selection. In R.D. Crawford, ed. *Poultry breeding and genetics*, pp. 985–1028. Amsterdam, The Netherlands, Elsevier.
- ICASEPS (Indonesian Center for Agro-socioeconomic and Policy Studies).** 2008. *Livelihood and gender impact of rapid changes to bio-security policy in the Jakarta area and lessons learned for future approaches in urban areas*. Rome, ICASEPS in collaboration with FAO.
- IFPRI (International Food Policy Research Institute).** 2004. The changing face of malnutrition. *IFPRI FORUM, October 2004*: 1, 9–10. Washington, DC.
- IFPRI.** 2008. *High food prices: the what, who, and how of proposed policy actions*. Policy Brief, May 2008. Washington, DC.
- IMF (International Monetary Fund).** 2009. *World economic outlook. Crisis and recovery*. Washington, DC.
- International Obesity Taskforce.** 2009. *Global prevalence of adult obesity* (available at [www.ilotf.org/database/documents/GlobalPrevalenceofAdultObesityJune2009updateonweb.pdf](http://www.ilotf.org/database/documents/GlobalPrevalenceofAdultObesityJune2009updateonweb.pdf)).
- IPCC (Intergovernmental Panel on Climate Change).** 2007. *Climate change 2007: the physical science basis*. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor & H.L. Miller, eds.]. Cambridge, UK, Cambridge University Press.
- Johnson, J., McCabe, J., White, D., Johnston, B., Kuskowski, M. & McDermott, P.** 2009. Molecular analysis of *Escherichia coli* from retail meats (2002–2004) from the United States National Antimicrobial Resistance Monitoring System. *Clinical Infectious Diseases*, 49:195–201.
- Ke, B.** 1998. Area-wide integration of crop and livestock: case study – Beijing. In Y. Ho & Y. Chan, eds. *Proceedings of the Regional*

- OECD–FAO. 2009. *OECD–FAO Agricultural Outlook: 2009–2018*. Paris.
- OIE (World Organisation for Animal Health). 2008a. Zoning and compartmentalisation. In: *Terrestrial Animal Health Code 2008*. Paris.
- OIE. 2008b. Animal welfare. In: *Terrestrial Animal Health Code 2008*. Paris.
- PAHO (Pan American Health Organization). 2006. *Assessing the economic impact of obesity and associated chronic diseases: Latin America and the Caribbean*. Fact Sheet, April 2006. Washington, DC.
- Peden, D., Tadesse, G. & Misra, A.K. 2007. Water and livestock for human development. In D. Molden, ed. *Water for food, water for life: a comprehensive assessment of water management in agriculture*, pp. 485–514. London, Earthscan, and Colombo, International Water Management Institute.
- Pelant, R., Chandra, B., Pu, J., Lohani, N., Suknaphasawat, N. & Xu, G. 1999. Small ruminants in development: the Heifer Project International experience in Asia. *Small Ruminant Research*, 34(3): 249–257.
- Pica, G., Pica-Ciamarra, U. & Otte, J. 2008. *The livestock sector in the World Development Report 2008: re-assessing the policy priorities*. PPLPI Research Report No. 08-07. Rome, Pro-Poor Livestock Policy Initiative, FAO.
- Popkin, B.M. 1994. The nutrition transition in low-income countries: an emerging crisis. *Nutritional Review*, 52: 285–298.
- Popkin, B.M. & Du, S. 2003. Dynamics of the nutrition transition toward the animal foods sector in China and its implications: a worried perspective. *The American Society for Nutritional Sciences*, 133: 3898S–3906S.
- PPLPI (Pro-poor Livestock Policy Initiative). 2008. *Pro-poor livestock policy and institutional change: case studies from South Asia, the Andean region and West Africa*. Rome, FAO.
- Pym, R.A.E. 1993. Meat genetics: conventional approaches. In J.S. Gavora, ed. *Proceedings of the 10th International Symposium on Current Problems of Avian Genetics*, pp. 3–16. Bratislava, Publishing House of the Slovak Technical University.
- Pym, R.A.E., Farrell, D.J., Jackson, C.A.W. & Mulder, R.W.A.W. 2008. *Technological change and its impact on poultry development. A review*. SOFA 2009 background paper. Unpublished. Rome, FAO.
- Quisumbing, A.R., Brown, L.R., Feldstein, H. S., Haddad, L. & Peña, C. 1995. *Women: the*
- Menzi, H., Oenema, O., Burton, C., Shipin, O., Gerber, P., Robinson, T. & Franceschini, G. 2009. Impacts of intensive livestock production and manure management on ecosystems. In H. Steinfeld, H. Mooney, F. Schneider & L. Neville, eds. *Livestock in a changing landscape, Vol. 1: Drivers, consequences, and responses*. Washington, DC, Island Press.
- Meuwissen, M.P.M., Horst, S.H., Huirne, R.B.M. & Dijkhuizen, A.A. 1999. A model to estimate the financial consequences of classical swine fever outbreaks: principles and outcomes. *Preventive Veterinary Medicine*, 42(3–4): 249–270.
- Mikkelsen, S.A, Iversen, T.M., Jacobsen, B.H. & Kjær, S.S. 2009. EU: reducing nutrient losses from intensive livestock operations. In P. Gerber, H. Mooney, J. Dijkman, S. Tarawali & C. de Haan, eds. *Livestock in a changing landscape, Vol. 2: Experiences and regional perspectives*. Washington, DC, Island Press.
- Minjauw, B. & McLeod, A. 2003. *Tick-borne diseases and poverty. The impact of ticks and tick-borne diseases on the livelihoods of small-scale and marginal livestock owners in India and eastern and southern Africa*. Research report. Roslin, UK, DFID Animal Health Programme, Centre for Tropical Veterinary Medicine, University of Edinburgh.
- NAO (National Audit Office of the UK Government). 2002. *The 2001 outbreak of foot and mouth disease. Report by the comptroller and auditor general*. HC 939 Session 2001–2002: 21 June 2002. London, The Stationery Office.
- Neumann, C.G., Bwibo, N.O., Murphy, S. P., Sigman, M., Whaley, S., Allen, L.H., Guthrie, D., Weiss, R.E. & Demment, M.W. 2003. Animal source foods improve dietary quality, micronutrient status, growth and cognitive function in Kenyan school children: background, study design and baseline findings. *Journal of Nutrition*, 133: 3941S–3949S.
- Nugent, R. & Knaul, F. 2006. Fiscal policies for health promotion and disease prevention. In D. Jamison, J. Breman, A. Measham, G. Alleyne, M. Claeson, D. Evans, P. Jha, A. Mills & P. Musgrove, eds. *Disease control priorities in developing countries*, pp. 211–223. New York, USA, Oxford University Press.
- OECD–FAO (Organisation for Economic Co-operation and Development–Food and Agriculture Organization of the United Nations). 2008. *OECD–FAO Agricultural Outlook: 2008–2017*. Paris.

- burden. *Acta Agriculturae Scandinavica, Section C Economy*, 2(3–4): 150–166.
- SCN (UN Standing Committee on Nutrition).** 2004. *5th report on the world nutrition situation. Nutrition for improved development outcomes*. Geneva, Switzerland.
- Sidahmed, A.** 2008. Livestock and climate change: coping and risk management strategies for a sustainable future. In P. Rowlinson, M. Steele & A. Nefzaoui, eds. *Livestock and global change*. Proceedings of an international conference, Hammamet, Tunisia, 17–20 May 2008. Cambridge, UK, Cambridge University Press.
- Sones, K. & Dijkman, J.** 2008. *The livestock revolution – revisited*. SOFA 2008 background paper. Unpublished. Rome, FAO.
- Staal, S.J., Pratt, A.N. & Jabbar, M., eds.** 2008a. *Dairy development for the resource poor. Part 1: Pakistan and India dairy development case studies*. Nairobi, International Livestock Research Institute.
- Staal, S.J., Pratt, A.N. & Jabbar, M., eds.** 2008b. *Dairy development for the resource poor. Part 2: Kenya and Ethiopia dairy development case studies*. Nairobi, International Livestock Research Institute.
- Steinfeld, H.** 1998. Livestock production in Asia and the Pacific region: current status, issues and trends. *World Animal Review*, 90 (available at [www.fao.org/docrep/w8600t/w8600t04.htm#TopOfPage](http://www.fao.org/docrep/w8600t/w8600t04.htm#TopOfPage)).
- Steinfeld, H. & Opio, C.** 2009. *Measuring productivity growth in the livestock sector*. SOFA 2009 background paper. Unpublished. Rome.
- Steinfeld, H., de Haan, C. & Blackburn, H.** 1998. Livestock and the environment, issues and options. In E. Lutz, ed. *Agriculture and the environment. Perspectives on sustainable development*, pp. 283–301. Washington, DC, World Bank.
- Steinfeld, H., Gerber, P., Wassenaar, T., Castel, V., Rosales, M. & de Haan, C.** 2006. *Livestock's long shadow. Environmental issues and options*. Rome, FAO.
- Taheripour, F., Hertel, T.W. & Tyner, W.E.** 2008a. *Biofuels and their by-products: global economic and environmental implications*. West Lafayette, USA, Department of Agricultural Economics, Purdue University.
- Taheripour, F., Hertel, T.W. & Tyner, W.E.** 2008b. *Implications of the biofuels boom for the global livestock industry: a computable general equilibrium analysis*. SOFA 2009 background key to food security. Food Policy Statement No. 21. Washington, DC, International Food Policy Research Institute.
- Rae, A.** 1998. The effects of expenditure growth and urbanisation on food consumption in East Asia: a note on animal products. *Agricultural Economics*, 18(3): 291–299.
- Randolph, T.F., Schelling, E., Grace, D., Nicholson, C.F., Leroy, J.L., Cole, D.C., Demment, M.W., Omere, A., Zinsstag, J. & Ruel, M.** 2007. Role of livestock in human nutrition and health for poverty reduction in developing countries. *Journal of Animal Science*, 85: 2788–2800.
- Reid, R.S., Bedelian, C., Said, M.Y., Kruska, R.L., Mauricio, R.M., Vincent Castel, V., Olson, J. & Thornton, P.K.** 2009. Global livestock impacts on biodiversity. In H. Steinfeld, H. Mooney, F. Schneider & L. Neville, eds. *Livestock in a changing landscape, Vol. 1: Drivers, consequences, and responses*. Washington, DC, Island Press.
- Rosegrant, M.W. & Thornton, P.K.** 2008. *Do higher meat and milk prices adversely affect poor people?* id21 insights, issue No. 72, February 2008 (available at [www.id21.org/insights/insights72/art04.html](http://www.id21.org/insights/insights72/art04.html)).
- Rowlinson, P.** 2008. *Adapting livestock production systems to climate change – temperate zones*. Paper presented at Livestock and Global Climate Change conference, 17–20 May. Hammamet, Tunisia (available at [www.bsas.org.uk/downloads/pp/LGCC\\_08\\_18\\_Rowlinson.pdf](http://www.bsas.org.uk/downloads/pp/LGCC_08_18_Rowlinson.pdf)).
- Royal Society of Edinburgh.** 2002. *Inquiry into Foot and Mouth Disease in Scotland, July 2002* (available at [www.royalsoced.org.uk/enquiries/footandmouth/fm\\_mw.pdf](http://www.royalsoced.org.uk/enquiries/footandmouth/fm_mw.pdf)).
- Sansoucy, R.** 1995. Livestock – a driving force for food security and sustainable development. *World Animal Review*, 84/85 (available at [www.fao.org/docrep/V8180T/v8180T07.htm#livestock%20%20a%20driving%20force%20for%20food%20security%20and%20sustainable%20development](http://www.fao.org/docrep/V8180T/v8180T07.htm#livestock%20%20a%20driving%20force%20for%20food%20security%20and%20sustainable%20development)).
- Scharff, R.L., McDowell, J. & Medeiros, L.** 2009. Economic cost of foodborne illness in Ohio. *Journal of Food Protection*, 72(1): 128–136.
- Schmidhuber, J.** 2007. *The EU diet – evolution, evaluation and impacts of the CAP*. Paper presented at the WHO Forum on Trade and Healthy Food and Diets, Montreal, 7–13 November, 2007.
- Schmidhuber, J. & Shetty, P.** 2005. The nutrition transition to 2030. Why developing countries are likely to bear the major



- UNFCCC (United Nations Framework Convention on Climate Change).** 2008. *Challenges and opportunities for mitigation in the agricultural sector*. FCC/TP/2008/8. Bonn, Germany.
- UN Millennium Project.** 2004. *Halving hunger by 2015: a framework for action*. Interim Report. Task Force on Hunger. New York, USA, Millennium Project.
- USDA (United States Department of Agriculture).** 2005. *High-pathogenicity avian influenza: a threat to U.S. poultry*. Program Aid No. 1836. Riverdale, USA, Animal and Plant Health Inspection Service (available at [www.aphis.usda.gov/publications/animal\\_health/content/printable\\_version/USA\\_AvianInfluenzanewweb.pdf](http://www.aphis.usda.gov/publications/animal_health/content/printable_version/USA_AvianInfluenzanewweb.pdf)).
- USITC (United States International Trade Commission).** 2008. *Global beef trade: effects of animal health, sanitary, food safety, and other measures on US beef exports*. USITC Investigation No. 332-488. Publication 4033. Washington, DC.
- VCS (Voluntary Carbon Standard).** 2008. *VCS guidance for agriculture, forestry and other land use projects*. Washington, DC, Voluntary Carbon Standard.
- Wassenaar, T., Gerber, P., Verburg, P.H., Rosales, M., Ibrahim, M. & Steinfeld, H.** 2006. Projecting land use changes in the neotropics. The geography of pasture expansion into forest. *Global Environmental Change*, 17(1): 86–104.
- Waters-Bayer, A.** 1995. *Living with livestock in town: urban animal husbandry and human welfare*. Leusden, The Netherlands, ETC International.
- WCRF/AICR (World Cancer Research Fund / American Institute for Cancer Research).** 2007. *Food, nutrition, physical activity, and the prevention of cancer: a global perspective*. Washington, DC, AICR.
- White, R.P., Murray, S. & Rohweder, M.** 2000. *Pilot analysis of global ecosystems: grassland ecosystems*. Washington, DC, World Resources Institute.
- WHO (World Health Organization).** 2005. *International Health Regulations (2005)*. Second edition. Geneva. Switzerland.
- WHO.** 2006. *Obesity swallows rising share of GDP in Europe: up to 1% and counting* (available at [www.euro.who.int/mediacentre/PR/2006/20061101\\_5](http://www.euro.who.int/mediacentre/PR/2006/20061101_5)).
- WHO/FAO.** 2003. *Diet, nutrition, and the prevention of chronic disease. Report of* paper. Unpublished. West Lafayette, USA, Center for Global Trade Analysis, Purdue University.
- Tambi, N.E., Maina, W.O. & Ndi, C.** 2006. An estimation of the economic impact of contagious bovine pleuropneumonia in Africa. *Revue Scientifique et Technique De l'Office International des Epizooties*, 25(3): 999–1012.
- Tamminga, S.** 2003. Pollution due to nutrient losses and its control in European animal production. *Livestock Production Science*, 84: 101–111.
- The Times of India.** 2005. The flesh-eater of India – a recent trend. Editorial, 25 October 2005 (available at [timesofindia.indiatimes.com/articleshow/1273309.cms](http://timesofindia.indiatimes.com/articleshow/1273309.cms)).
- Thirtle, C., Irz, X., Lin, L., McKenzie-Hill, V. & Wiggins, S.** 2001. *Relationship between changes in agricultural productivity and the incidence of poverty in developing countries*. Report commissioned by Department for International Development. London.
- Thornton, P.K., Kruska, R.L., Henninger, N., Kristjanson, P.M., Reid, R.S., Atieno, F., Odera, A.N. & Ndegwa, T.** 2002. *Mapping poverty and livestock in the developing world*. A report commissioned by the UK Department for International Development, on behalf of the Inter-Agency Group of Donors Supporting Research on Livestock Production and Health in the Developing World. Nairobi, International Livestock Research Institute.
- Thuy, N.** 2001. *Epidemiology and economics of foot and mouth disease at the small holder level in Vietnam*. Reading, UK, Department of Agriculture, University of Reading. (MSc thesis).
- Timmer, P.** 1988. The agricultural transformation. In H. Chenery & T.N. Srinivasan, eds. *Handbook of development economics, Volume 1*. Handbooks in Economics No. 9. Amsterdam, The Netherlands, North-Holland.
- Umali-Deininger, D. & Sur, M.** 2007. Food safety in a globalizing world: opportunities and challenges for India. *Agricultural Economics*, 37(Suppl. 1): 135–147.
- UN.** 2007. World urbanization prospects. The 2007 revision population database (available at [esa.un.org/unup/](http://esa.un.org/unup/)).
- UN.** 2008. World population prospects. The 2008 revision population database (available at [esa.un.org/unpp/](http://esa.un.org/unpp/)).
- UNEP (United Nations Environment Programme).** 2004. *Land degradation in drylands (LADA): GEF grant request*. Nairobi.

- Silvopastoral Ecosystem Management Project*. Washington, DC.
- Yalcin, C.** 2006. *The Turkish situation*. Paper presented at the Symposium on Market and Trade Dimensions of Avian Influenza Prevention and Control, held in conjunction with the 21st Session of the Intergovernmental Group on Meat and Dairy Products, Rome, Italy, 14 November 2006 (available at [www.fao.org/es/ESC/en/20953/21014/21574/event\\_109566en.htm](http://www.fao.org/es/ESC/en/20953/21014/21574/event_109566en.htm)).
- Zhang, C. et al.** 2004. *China's livestock industry in transition: trends and policy adjustment*. Report prepared as part of the ACIAR/MLA Project: Analysis of Socio-economic and Agribusiness Developments in the Chinese Cattle and Beef Industry. Brisbane, Australia, University of Queensland.
- a joint WHO/FAO Expert Consultation*. WHO Technical Report Series 916. Geneva, Switzerland, World Health Organization.
- World Bank.** 2006a. *Repositioning nutrition as central to development: a strategy for large-scale action*. Directions for Development. Washington, DC.
- World Bank.** 2006b. *Enhancing agricultural innovation: how to go beyond the strengthening of research systems*. Economic Sector Work Report. Washington, DC.
- World Bank.** 2007. *World Development Report 2008*. Washington, DC.
- World Bank.** 2008a. *Rising food prices: policy options and World Bank response*. Washington, DC.
- World Bank.** 2008b. *Implementation completion results report for the Regional Integrated*

## الفصول الخاصة من حالة الأغذية والزراعة

جرت العادة على أن يتضمن هذا التقرير فصلا خاصا أو فصولا خاصة تعالج مشكلات ذات طابع بعيد المدى، إلى جانب معالجة التطور العالمي في الأغذية والزراعة. وفيما يلي بيان الفصول الخاصة التي تضمنتها الطبقات العربية.

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# حالة الأغذية والزراعة

يشهد قطاع الثروة الحيوانية تحولاً سريعاً استجابة للتحويلات التي تحدث في الاقتصاد العالمي وتغير توقعات المجتمع. فالمجتمع يتوقع من قطاع الثروة الحيوانية أن يوفر أغذية وأليافاً مأمونة ووفيرة لأعداد متزايدة من سكان الحضر، وأن يوفر سبل العيش لأكثر من مليار شخص من المنتجين والتجار الفقراء، وكذلك السلع العامة العالمية المتعلقة بالأمن الغذائي، والاستدامة البيئية، والأمراض التي تحملها الحيوانات. ولكن سرعة وتيرة التغير أدت إلى نمو القطاع بطريقة غير متوازنة. وقد تبدى ذلك في حدوث انفصام أخذ في الاتساع داخل القطاع، من حيث حجم الإنتاج وكثافته وكفاءته، وفي وجود انعكاسات اجتماعية وتغذوية وبيئية، ومتعلقة بصحة الحيوان، غير متوقعة. وقد تسببت هذه التغيرات، والسرعة التي تحدث بها، في نشوء مخاطر عامة على سبل العيش وصحة الإنسان والحيوان وعلى البيئة. ولمواجهة تحديات ومعوقات القرن الحادي والعشرين، يحتاج قطاع الثروة الحيوانية إلى مؤسسات، وبحوث، وتدخلات تنموية، وحوكمة ملائمة، تعكس التنوع الموجود داخل القطاع والمطالب المتعددة التي عليه أن يلبيها.

