

## **CURRICULUM VITAE**

### **PERSONAL DETAILS**

Name: Hong YANG  
Nationality: Australian  
Gender: Female  
Date of birth: 6 Oct. 1957  
Postal address: Swiss Federal Institute for Aquatic Science and Technology (Eawag)  
Ueberlandstrasse 133, CH-8600 Duebendorf, Switzerland  
Tel: 41-1-8235568 (o)  
Fax: 41-1-8235375 (o)  
E-mail: hong.yang@eawag.ch

### **TERTIARY EDUCATION AND QUALIFICATIONS**

- 1991-1994 **Doctor of Philosophy**, Center for Asian Studies and China Economic Research Unit, the University of Adelaide, Australia.  
Thesis: Grain Production in China: Productivity Changes and Provincial Disparities, 1980-1992.
- 1989-1991 **Master of Arts**, Department of Geography, the University of Melbourne, Australia.  
Thesis: China's Grain Production: Government Policies and Their Impacts Since the 1950s.
- 1983-1986 **Master of Science**, Department of Geography, East China Normal University, China.  
Thesis: The Development of Agriculture and Animal Husbandry and Its Impact on the Local Ecosystem in the Sahelian Region, Western Africa.
- 1979-1983 **Bachelor of Science**, Department of Geography, Beijing Normal University, Beijing, China.
- 1976-1977 **Diploma of Education**, the First Teachers' College, Xining, Qinghai, China.

### **OTHER PROFESSIONAL CERTIFICATES**

- 2001 Certificate for the participation in the course on 'Modelling of Water Flow and Solute Transport in Variably Saturated Media', provided by the Swiss Federal Institute for Aquatic Science and Technology.
- 2000 Certificate for the participation in a training course on 'Environmental Economics for Policy Development', held by the World Bank Institute, Washington D.C.

**RECORD OF EMPLOYMENT**

- 1999-present **Senior research scientist**  
**Group leader of water, food and environmental studies**  
Department of Systems Analysis, Integrated Assessment and Modelling  
Swiss Federal Institute for Aquatic Science and Technology  
(Eawag).
- Duties:
- Project development, co-ordination and management;
  - Research;
  - Ph.D student supervision;
  - Teaching.
- Courses currently offering:
- Environmental Management: Policies and Practice. (A block course at the Graduate School of the Chinese Academy of Sciences, China).
  - Globalization of Water Resources. (A semester course to the Master in Sustainable Development Program at the University of Basel, Switzerland).
- 2002-present **Visiting professor**  
Institute of Geographical Science and Natural Resources Research, the Chinese Academy of Sciences.
- Undertaking collaborative research on the issues on:
- Water demand projection and management in Beijing;
  - Interactions of environmental and economic migration;
  - Integrated analysis of socio-economic, hydrological and environmental impacts of the land conservation campaign in China;
  - Co-supervision to Ph.D students.
- 1998-1999 **Assistant Professor**  
Department of Geography and Geology, the University of Hong Kong.
- Courses offered:
- Global Environmental Change: Science, Impact and Policy (with a focus on the human-dimension of GEC);
  - Environmental Management: Principles and Practices.
- 1997-1998 **Assistant Professor**  
Department of Geography, Hong Kong Baptist University.
- Courses offered:
- The Geography of Southeast Asia;
  - Regional Geography of China;
  - Selected Topics of the Geography in China;
  - Quantitative Methods (in Geographical Analysis).

- 1994-1997     **Research Associate (Post-Doctor)**  
 Chinese Economies Research Center, and  
 Center for Asian Studies. The University of Adelaide, Australia.
- Duties:
- Research on the Chinese agricultural economy;
  - Provision of lectures to the China studies program (economy, politics, culture and language);
  - Co-ordination of research projects involving the Centers and governmental departments and academic institutions in Australia and China.
- 1986-1988     **Associate Lecturer**  
 Department of Economics, Beijing Normal University, China.
- Courses offered:
- World Economic Geography;
  - Economic Geography of China.
- 1977-1979     **Teacher**  
 The Sixth Middle School, Xining, Qinghai, China.
- Teaching of Physics and Mathematics, and supervision to students' activities.

## **PUBLICATIONS AND RESEARCH EXPERIENCE**

### ***1. REFEREED JOURNAL PUBLICATIONS AND BOOK CHAPTERS***

#### **Journal papers in English:**

- Liu, J.G., Savenije H.H.G., **Yang, H.**, 2008. 'Food consumption patterns greatly affect water crisis'. *Nature*. Accepted.
- Faramarzi, M., K. Abbaspour, R. Schulin, **H. Yang**. 'Modeling green and blue water resources in Iran'. *Hydrological Processes*. Accepted.
- Yang, J., Abbaspour K.C., Reichert P, and **Yang H.** 'Comparing different uncertainty analysis techniques in a SWAT application to Chaohe Basin in China'. *Journal of Hydrology*. In press.
- Schuol, J. Abbaspour, K, Srinivasan, R., **Yang, H.**, 2008. 'Estimation of freshwater availability in the West African sub-continent using the SWAT hydrologic model', *Journal of Hydrology*. In press.
- Schuol, J. Abbaspour, K., **Yang, H.**, Srinivasan, R., Zehnder, A.J.B., 2008. 'Modeling blue and green water availability in Africa'. *Water Resources Research*. In press.
- Liu, J.G., Zehnder, A.J.B., **Yang, H.**, 2008. Drops for crops: modeling crop water productivity on a global scale. *Global NEST Journal*. In press.
- Amini, M. Abbaspour, K., Berg, M., Winkel, L., Hug, S., Hoehn, E., **Yang, H.**, Johnson, A. 2008. 'Statistical Modeling of Global Geogenic Arsenic Contamination in Groundwater'. *Environmental Science and Technology*. 10.1021/es702859e.

- Yang, H., Jia, S.F. 2008. 'Meeting the basin closure of the Yellow River in China'. *International Journal on Water Resources Development*. 24(2): 265-274.
- Yang, H., Zehnder, A.J.B. 2007. 'Virtual water - an unfolding concept in integrated water resources management'. *Water Resources Research*. 43, doi:10.1029/2007WR006048.
- Yang, H., Wang, L., Zehnder, A.J.B. 2007. 'Water scarcity and food trade in the Southern and Eastern Mediterranean countries'. *Food Policy*. 32: 585-605.
- Yang, H., Abbaspour, K.C. 2007. 'An analysis of wastewater reuse potential in Beijing'. *Desalination*. 212: 238-250.
- Liu, J.G., Zehnder, A.J.B., **Yang, H.** 2007. 'Water scarcity, food security and virtual water trade in China'. *Water International*. 32(1): 78-90.
- Liu, J.G., Williams, J.R., Zehnder, A.J.B., Yang, H. 2007. 'GEPIC – modelling wheat yield and crop water productivity with high resolution on a global scale'. *Agricultural Systems*. 94: 478-493.
- Liu, J.G., Wiberg, D., Zehnder, A.J.B., **Yang, H.**, 2007. 'Modeling the role of irrigation in winter wheat yield and crop water productivity in China'. *Irrigation Science*. 26: 22-33.
- Yang, J., Reichert, P., Abbaspour, K., **Yang, H.**, 2007. 'Hydrological modeling of the Chaohe Basin in China: statistical model formulation and Bayesian inference'. *Journal of Hydrology*. 340: 167-182.
- Bluemling, B., **Yang, H.**, C. Pahl-Wostl, 2007. 'Making water productivity operational—A concept of agricultural water productivity exemplified at a wheat–maize cropping pattern in the North China plain'. *Agricultural Water Management*, 91: 11-23.
- Yang, H., L. Wang, A.J.B. Zehnder, and K. C. Abbaspour, 2006. 'Virtual water trade: an assessment of water use efficiency in the international food trade'. *Journal of Hydrology and Earth System Sciences*, 10, 443-454.
- Jia, S.F., **Yang, H.**, Zhang S.F., Wang, L., Xia, J., 2006. 'Industrial water use Kuznets Curve: evidence from industrialized countries and implications for developing countries'. *Journal of Water Resources Planning and Management*, 132 (3): 183-191.
- Yang, H. and Zehnder, A. J. B., 2005. 'The South-North Water Transfer Project in China: an analysis of water demand uncertainty and environmental objective in decision making'. *Water International*. 30 (3)339-349.
- Yang, H., 2004. 'Land conservation campaign, integrated management and local participation in China'. *Geoforum*. 35: 507-518.
- Yang, H., Reichert, P., Abbaspour, K., and Zehnder, A. J. B., 2003. 'A water resources threshold and its implications for food security'. *Environmental Science and Technology*. 37 (14): 3048-3054.
- Yang, H., Zhang X. H. and Zehnder, A. J. B., 2003. 'Water scarcity, pricing mechanism and institutional reform in Northern China irrigated agriculture' *Agricultural Water Management*. 61: 143-161.
- Zehnder, A. J. B., **Yang, H.** and Schertenleib, R., 2003 'Water issues: the need for actions at different levels'. *Aquatic Sciences*. 65: 1-20.
- Yang, H. and Zehnder, A. J. B., 2002. 'Water endowments and virtual water trade'. *Gaia*, No.4, pp.267-270.
- Yang, H. and Zehnder, A. J. B., 2002. 'Water scarcity and food imports - with a case study for southern Mediterranean countries'. *World Development*, 30 (8): 1413-1429.
- Yang, H. and Zehnder, A. J. B., 2001. 'China's regional water scarcity and implications for grain supply and trade'. *Environment and Planning A*, 33: 79-95.
- Yang, H. and Li, X. B., 2000. 'Cultivated land and food supply in China' *Land Use Policy*, 17(2): 73-88.
- Yang, H., 2000. 'A comparative analysis of China's permanent and temporary migration during the reform period'. *International Journal of Social Economics*, 27(3): 172-193.

- Yang, H., 1999. 'Growth of China's grain production 1978-1997: a disaggregate analysis'. *World Development*, 27(12) 2137-2154.
- Yang, H. and Zhang, X. H., 1999. 'Leaving the shadow of the big brothers: Hebei's changing economic relations with Beijing and Tianjin in China'. *Asian Profile*, 27(6): 460-76.
- Yang, H., 1998. 'Trends in China's regional grain production and their implications'. *Agricultural Economics*, 19(3): 309-325.
- Yang, H., 1998. 'Hebei: Development through economic integration'. *Provincial China*, No.5, pp.18-31.
- Yang, H., 1998. 'Can China feed itself vs how should China feed itself'. *China Newsletter*, No.136, pp.2-7.
- Yang, H., 1998 'Maize production in China: spatial distribution, output fluctuation and trade implication'. *China Report*, 34(2): 213-229.

### Journal papers in Chinese:

- Jia, S., Zhang, S., **Yang, H.**, Xia, J., 2004. 'The relationship between industrial water use and economic development – water use Kuznets curve'. *Journal of Natural Resources*, 19(3): 5-9.
- Liu, C. S. Liu, C. M. **Yang, H.** 2004. 'Zoning for water resources management in the Haihe River Basin'. *ACTA Geographica Sinica*, 59(3): 349-356.
- Jia, S., Zhang, S., Xia, J., **Yang, H.**, 2003. 'Effect of economic structural adjustment on water saving'. *Journal of Water Resources*, No.12, pp.111-118.
- Yang, H., 1998. 'On the debate on China's ability to feed itself'. *Economic Problems*, No.8, pp.24-27.
- Yang, H., 1988. 'Agriculture in Denmark'. *World Agriculture (China)*, No.1, pp.53-55, (in Chinese).

### Refereed book chapters

- Yang, H., Li, X. and Zhang, Y. 2004. 'Interactions of environment-economic forces in population migration - with a case study of three counties in northern China'. In Unruh, J., Krol, M. and Kliot, N. (eds). *Environmental Change and Its Implications for Population Migration*. Kluwer Academic Publishers, the Netherlands. pp.267-288.
- Yang, H., 2003. 'Water, environment and food security: a case study of the Haihe River basin in China'. In Brebbia, C. A. *River Basin Management II*. WIT Press, Southampton, UK. pp.120-131.
- Yang, H and Zhang, X., 2003. 'China's economy and trade'. In Ji Xiaobin (ed). *Facts about China*. New England Publishing Associates, Connecticut. pp.257-298.
- Yang, H., Abbaspour, K. and Zhang, Y. L., 2002. 'Desertification control and sandstorm mitigation in the area encircling Beijing - with a discussion on the application of Bayesian network and hydrological modelling'. *Dynamic Monitoring, Forecasting and Evaluation of Soil Erosion, Watershed Management and Development, Desertification Control*. Proceedings of the International Soil Conservation Organization Conference. Tsinghua University Press, Beijing. 5: 593-598.
- Yang, H., Abbaspour, K. and Zehnder, A. J. B., 2001. 'An analysis of water scarcity-induced cereal grain import'. In Ghassemi, F., McAleer, M., Oxley, M., and Scoccimarro, M. (eds) *Proceedings of International Congress on Modeling and Simulation*. The Modelling and Simulation Society of Australia and New Zealand Inc. pp. 1279-1284.
- Yang, H. and Mok, H., 2000. 'Towards an employment-oriented social security assistance in Hong Kong'. In H. Mok (ed), *Poverty and Social Development*. Asia Monitor Resource Centre and Hong Kong Social Security Society, pp.107-117.

- Yang, H., 1999. 'Regional specialization and the development of commercial grain base areas in China'. In Andrew Watson and Christopher Findlay (eds), *Food Security and Economic Reform: The Challenges Facing China's Grain Marketing System*. Macmillan, pp.128-147.
- Yang, H., 1999. 'Sources of productivity disparities in regional grain production in China'. In Kalirajan, K. Wu Yanrui (eds). *Productivity and Growth in Chinese Agriculture*. Macmillan, pp.121-140.
- Wu, Y. R. and **Yang, H.** 1999. 'Growth and productivity in China's agriculture: a review'. In Kalirajan, K. and Wu Yanrui (eds). *Productivity and Growth in Chinese Agriculture*. Macmillan, pp.20-31.
- Yang, H. 1999. 'Reform of state-owned enterprises: with a focus on the hinterland development'. In Yu, Hebert, et al (eds), *Conference Proceedings: Contemporary Chinese Economic Reform and Social Development*, Hong Kong Baptist University Press, pp.65-76.
- Yang, H., 1992. 'An analysis of grain yield changes and provincial disparities in the post-reform period in China'. In Wu Yanrui and Zhang Xiaohe (eds). *Chinese Economy in Transition*. Australian National University Press, pp.62-76.

## 2. OTHER SCHOLARLY PUBLICATIONS

- Yang, H., 2008. Hebei. In Staiger, B., Friedrich, S., Schütte, H. (eds), 2008. *Das Grosse China Lexikon*. WBG (Wissenschaftliche Buchgesellschaft), Darmstadt, Germany.
- Liu, J.G., **Yang, H.**, Zehnder, A.B.J. 2007. 'Simulation of crop water relations on large scales with high spatial resolutions'. In Van Bers, C., Petry, D., Pahl-Wostl, C (eds.), 2007. *Global Assessments: Bridging Scales and Linking to Policy*. Report on the joint TIAS-GWSP workshop held at the University of Maryland University College, Adelphi, USA, 10-11 May 2007.
- Liu, C.S., Liu, C.M., **Yang, H.**, 2007. *Rational Allocation and Management of River Basin Water Resources*. Beijing: China Hydro-engineering Press.
- Yang, H., Wang, L., Abbaspour, K., Zehnder, A.J.B., 2006. 'Virtual water and the need for greater attention to rain-fed agriculture'. *Water* 21, No.4, pp.14-15.
- Yang, H. 'Virtual water trade'. 2004. *Corporate Knights* (Canadian Magazine) (1): 10-11.
- Yang, H., 1998. *Grain Market Reform in China: Global Implications* (one of the contributors). Technical Report of Australian Center for International Agricultural Research, No.43, June.
- Yang, H., 1998. 'Should Hong Kong establish the minimum wage system?' *Hong Kong Economic Journal*, 30 July, p.9.
- Yang, H., 1998. 'A discussion on China's grain issue'. *China Studies Report* 97-98, pp.17-19. Hong Kong Baptist University.

## 3. CONFERENCE PAPERS, WORKING PAPERS AND PROJECT REPORTS

- Yang, H., Zehnder, A.J.B., 2008. 'Globalization of Water Resources through Virtual Water Trade'. Paper to be presented to Rosenberg International Forum on Water Policy. Zaragoza, Spain, June, 24-27.
- Yang, H., 2007. 'Water scarcity and food trade relations in the MENA countries'. Paper presented to MODSIM. Christchurch, New Zealand, December 10-13.

- Yang, H., Jia, S.F., 2006. 'Where has the Yellow River water gone?' Paper presented at the Stockholm World Water Week, 21-26 August, Stockholm.
- Yang, H., Jia, S.F., 2005. 'Industrial water use Kuznets curve: evidence from developing countries'. In Proceedings of the International Congress on Modeling and Simulation. 12-15 December, Melbourne. pp.1113-1118.
- Wang, L., **Yang, H.**, Schertenleib, R., 2004. 'Analysis of feasibility and potential of the use of reclaimed water in Beijing'. In Proceedings of the 4<sup>th</sup> International Conference on Watershed Management and Urban Water Supply. Part A: Watershed Management. pp.178-186.
- Bluemling, B., **Yang, H.**, Pahl-Wostl, C., 2003. 'The efficiency of institutions regulating agricultural water use – the case of the Hai-River Basin in China'. XI World Water Congress, Water Resources Management in the 21<sup>st</sup> Century. 5-9 October, 2003, Madrid.
- Yang, H., Zhang, X. H. and Zehnder, A. J. B., 2001. 'Water Scarcity, Pricing Mechanism and Institutional Reform in Northern China Irrigated Agriculture'. Paper presented at the International Conference on Agricultural Science and Technology, 7-9 November, Beijing.
- Yang, H., 2001. 'Grain production and water constraint in the North China Plain - impediments and prospects towards solution'. Paper presented at the Annual Meeting of American Association of Geographers, 19-23 March, New York.
- Yang, H., 1999. 'Application of the modified international poverty line in Hong Kong and Mainland China'. Paper presented at the International Conference on People's Republic of China at Fifty: Opportunities and Challenges, 8-10 June, Hong Kong Baptist University.
- Yang, H., 1997. 'Gender division of labour in China's rural development: women's role in agricultural production'. Paper presented at the 'International Conference on Gender and Development in Asia', 27-29 November, the Chinese University of Hong Kong.
- Yang, H., 1996. 'Underreporting of China's arable land area: implications for the level of grain yields'. Paper presented at the Conference on Grain Output in China: Trends and Potential, 4-6 October, Beijing.
- Yang, H., 1996. 'China's maize production and supply from a provincial perspective'. Working paper, Chinese Economies Research Center, the University of Adelaide, Australia. No.96/11.
- Yang, H., 1995. 'Production function analysis of household survey data: problems in measuring the output response to changes in labour input in China's grain production'. Paper presented at the Conference on "Grain Market Reform in China and Its Implications", held in the East-West Center, 16-19 September, Honolulu, Hawaii.
- Yang, H., 1994. 'The role of prices in Chinese grain production'. Working paper, Chinese Economies Research Center, the University of Adelaide, Australia. No.94/1.
- Yang, H., 1992. 'Productivity changes and regional disparities in Chinese agriculture since the 1980s'. Working paper, Chinese Economies Research Center, the University of Adelaide, Australia. No.92/2.
- Yang, H., 1985. 'Environmental pollution and protection in the Seto Naika Sea of Japan'. Paper presented at the Second Conference on World Economic Geography, 4-6 February, Shanghai, China.
- Yang, H., 1984. 'Soil and vegetation in the Northeast China forest and forest-grass areas and Soil and vegetation in the Southern China sub-tropical and tropical areas'. Project reports of the Geography Department, Beijing Teachers' University, Beijing, China.

**INVITED LECTURES AND TALKS (Since 2006 only)**

**2008**

- ‘Global assessment of consumptive green and blue water use in crop production’. Talk at International Green and Blue Water Initiative. Stockholm, 14 January.
- ‘Globalization of water resources through virtual water trade’. Guest lecture, ETH Zurich. 17 March.
- Talk on Swiss TV (SF1): ‘virtual water’ (on the program ‘Einstein’, a highly watched popular scientific program for public), 27 March.

**2007**

- ‘Green and blue water consumptive use in food production’. Global Assessment: Bridging Science and Linking to Policy making. Washington D.C. 10 May.
- ‘China’s winter wheat production and water use’. Sino-Swiss Water Workshop, ETH Honggberg. 26 June.
- ‘Application of the GIS-based EPIC model for the analysis of water-food relations and policy implications in China. Guest lecture at Beijing Normal University. 19 July.
- ‘River closure and counter measures in the Yellow River in China’. III Yellow River Forum. Dongying, China. 17 October.
- ‘Adaptation to Water Scarcity’. Roundtable presentation at the “Science to Policy Day” of CAIWA, Basel. 14 November.

**2006**

- ‘Assessment of the water resources availability and virtual water strategy in regional water management in Egypt. Seminar at the National Center for Water Research, Cairo. 17 January.
- ‘Virtual water highway-assessment of water use efficiency in food trade’. Guest lecture at Basel University, Switzerland. 30 May.
- ‘Modelling of water and food systems’. Talk at AGS-Water and Food Flagship Program Meeting. Zurich. 3 October.
- ‘Land conservation campaign in China: integrated management, local participation and food supply options’. Invited presentation at the Symposium of Farmers’ Decision, Land Use and Environmental Impacts. Zurich. 19 October.

**RESEARCH PROJECTS**

- 2006-Current    **Assessment of regional water resources availability, water constraints to food production and implications for intra-country virtual water trade in Egypt’.**  
 Joint project with the National Centre of Water Research, Ministry of Water Resources and Irrigation in Egypt.  
 Supported by the State Secretariat for Education and Research.  
 Principal investigator
  
- 2006-Current    **GEO-BENE (Global Earth Observation – benefit estimation: now, next and emerging).**  
 The EU project.  
 Coordinator of the Eawag team.

2004-Current **Feasibility assessment of the virtual water strategy in regional water resource management in Iran.**  
Supported by the Swiss National Science Foundation  
In collaboration with Isfahan Agricultural University in Iran.  
Principal investigator.

2001-Current **Water, environment, and food security: an integration of economic and environmental objectives - a case study of the Haihe River Basin in China**  
In collaboration with the Institute of Geographical Sciences and Natural Resource Research, the Chinese Academy of Sciences, and the University of Osnabruck, Germany.  
Co-principal investigator.

**Sub-projects under the 'Haihe project':**

2006-current **Modelling of farmers' water use behaviour in the Chaobai Catchment in China.**  
Supported by Eawag  
Principal investigator

2003-2006 **Application of SWAT model in water quality management**  
Supported by Eawag.  
In collaboration with the Tianjin Environmental Protection Agency, China.  
Co-principal investigator.

2005-2006 **Non-point Source Pollution Monitoring and Control in the Haihe River Basin in China**  
Supported by NIDECO, ETH  
In collaboration with the Tsinghua University, China  
Principal investigator.

2001-2002 **Participatory water management in irrigation schemes in China**  
Supported by Eawag.  
In collaboration with the Center for Sustainable Agricultural Development, the Chinese Academy of Agricultural Sciences.  
Principal investigator.

2006-Current **Water Resources Quality (WRQ)**  
Supported by Eawag and various external funding  
Team member  
In collaboration with universities, industries and NGOs in Iran and Bangladesh.

2006-2008 **Phase I: A global assessment of geogenic pollution of Arsenic and Fluoride in groundwater.**

2008- **Phase II: An integrated assessment of mitigation options**

**for Arsenic and Fluoride in groundwater. Case studies in Iran and Bangladesh.**

- 2005-2007 **An integrated assessment of environmental impacts of mining activities in two selected catchments (upper Crisul Alb and Certej) in the Apuseni Mountains, Romania, and transboundary river pollution. ESTROM program.**  
Supported by the Swiss National Science Foundation.  
Principal investigator.
- 2002-2007 **Water scarcity – its measurement and implications for virtual water import**  
Funded by the Swiss National Science Foundation  
Principal investigator.
- 2004-2007 **Grain for green’ policy for integrated land-water resources management at the catchment level – With a case study for the Chaobai Catchment in China**  
Supported by Institute of Geographical Sciences and Natural Resource Research, the Chinese Academy of Sciences (IGSNRR, CAS).  
In collaboration with IGSNRR, CAS.  
Co-principal investigator.
- 2003-2007 **GIS-based hydrological modeling of global freshwater availability**  
Funded by the Swiss National Science Foundation.  
Team member.
- 2001-2003 **An integrated analysis of water scarcity, food security and environmental sustainability for policy development.**  
Supported by AGS (Alliance for Global Sustainability).  
In collaboration with the University of Tokyo and Beijing Normal University.  
Co-principal investigator.
- 1998-2000 **Determination of an official poverty line in Hong Kong and the basic rates for social assistance benefits**  
Supported by the University Research Grant of Hong Kong Baptist University.  
Team member.
- 1997-1999 **China’s provinces in reform**  
Supported by the University of New South Wales-University of Technology, Sydney Joint Center for Research on Provincial China.  
Team member.
- 1994-1997 **1) Grain marketing reforms in China: global implications;  
2) China’s grain supply and international grain trade: the potential for domestic supply response to grain marketing reform.**

Supported by the Australian Center for International Agricultural Research and the Australian Grains Research and Development Corporation.  
Team member.

1993      **Poverty alleviation in China.**  
Supported by the University Research Grant of the Flinders University of South Australia.  
Team member.

### **INTERNATIONAL EXPERIENCE AND COMMUNITY INVOLVEMENT**

- 2006-Current    Scientific Steering Committee Member of the Global Water Systems Project (GWSP).
- 2007-Current    Participant of the International Green and Blue Water Initiative (led by Stockholm International Water Institute).
- 2007-Current    Participant of the Global Catchment Initiative (led by Global Water Systems Project).
- 2007-Current    Member of Editorial Advisory Board of The Open Environmental Journal.
- 2006-Current    Member of the Water and Food Flagship Program, Alliance for Global Sustainability.
- 2005-2008      Chapter Lead Author of the International Assessment of Agricultural Science and Technology for Development (IAASTD) (Chapter 2 of East and Southeast Asia and Pacific Sub-global Assessment, Summary for Decision Makers for the ESAP Region, Summary for Decision Makers of the Global Report).
- Nov. 2007      Member of the Scientific Steering Committee of International Conference on Adaptive and Integrated Water Management: coping with complexity and uncertainty, held in Basel, Switzerland.
- Jan. 2007      Co-organizer of the Workshop on Water and Food in China, held in Macau, China. Together with Tokyo University and Macau University.
- Aug. 2006      Co-chair of the Workshop 2: Water trade for local needs. Stockholm World Water Week. 22 August, Stockholm.
- 2006            Member of a Track Support Group for the track: Water Resources and River Basin Management. Topic: Economic instruments for water quality and quantity management. International Water Association (IWA).
- 2004-2005      Co-ordinator of the Eawag seminar series (Every Friday for the fall semester).
- 2004            Advanced visiting scholar of the Tsinghua University, China. Teaching of environmental management and collaboration in research.

- 2002-2003 Guest lecturer of the course of 'Watershed Management' at the International Institute for Infrastructural, Hydraulic and Environment Engineering, (IHE-UNESCO), The Netherlands.
3. 2001 Guest lecturer of the course of 'Water Politics in the Horn of Africa' in the Department of Politics, the University of Addis Ababa, Ethiopia.
- 1998-1999 Member of the Editorial Committee of the Asian Social Development book series, the Hong Kong Social Security Society.
- 1993 Postgraduate representative, Center for Asian Studies, the University of Adelaide.
- 1979-1983 Committee member of the Student Association, Department of Geography, Beijing Normal University. In charge of organizing social activities.

### **REVIEW ACTIVITIES**

Frequent reviewer for articles submitted to journals:

- Water Policy
- Food Policy
- Land Use Policy
- Water Resource Research
- World Development
- Agricultural Water Management
- Environmental Science and Technology
- China Economic Review
- Water International
- Aquatic Science

Reviewer for articles submitted to various conferences and workshops (as an obligation, contribution and commitment to the relevant scientific communities involved).

Reviewer for the grant proposal of the Swiss Center for International Agricultural (ZIL), ETH, Zurich.

### **MEMBERSHIP OF PROFESSIONAL SOCIETIES**

- Institute of Australian Geographers / New Zealand Geographical Society, Rural Studies Group, since 1991.
- International Water Association, since 2003.
- American Geographic Association, 1997-2005.
- Chinese Economic Studies Association, Australia, 1994-1997.
- Member of North-South Centre of the Swiss Federal Institute of Technology, since 2004.