



Name	Jan Agerholm HØYBYE (Mr.)
Year of birth	1959
Nationality	Danish
Civil status	Married
Profession	Civil Engineer, Water and Environmental Management International/Inter-disciplinary Collaboration/Project Management
Present position	Partner/Technical Advisor, Just Business Ltd. Blaaholtvej 1 DK-3770 Allinge Denmark Ph.: +45 2521 6327 E-mail: jah@just-business.org

Specialisation: Integrated river basin management, water resources planning, water supply/sanitation and operational hydrology (surface water and groundwater); design and implementation of water action plans; hydro-informatics; institutional strengthening; land/rural development and agro-hydrology; nature protection and rehabilitation; environmental planning and management; design/implementation of hydrological and environmental monitoring programs; environmental impact assessments; flood/disaster management and adaptation plans; hydraulic and structural engineering; coastal, marine and off-shore engineering; development of technical software; advanced statistics and risk analysis; project identification/management and capacity building/training.

Key qualifications: Dr. Jan Høybye is as a civil engineer specialised in water and environment. Throughout more than 30 years he has worked with practically all areas within the water-environment field: freshwater, marine ecosystems, physical and chemical aspects, design/construction of water infrastructure, planning, monitoring, modelling, flood/droughts, natural as well as urban settings, environmental aspects of energy production, agriculture and forestry, organisation, private sector development, policy development and with focus on protected areas, as well as areas subject to sustainable utilisation. In recent years, Dr. Høybye has mainly worked with the multi-disciplinary aspects of natural resources planning/management and adaptation plans, i.e. IRBM/IWRM/ICZM and the interdependencies between climate, water, environment, energy, agriculture, forestry, urban/rural development and related socio-economic conditions. Innovation in technology development and collaboration practices to support sustainable solutions has been an integral part of these activities.

Dr. Høybye has extensive expatriate experience with both short and long-term placements in primarily Asia and Africa, where he has had assignments from all stages of the project cycle, i.e. strategy/policy development, identification, formulation, appraisal, implementation, monitoring and reviews for a host of international donors, including EU, FAO, UNESCO, SIDA, ADB, UNDP and Danida. Furthermore, he has been responsible for the establishment and consolidation of private consultancy and innovation/development companies in Denmark, Malaysia (Water & environmental infrastructure/services), Ukraine and Singapore (IT/Communication and advanced environmental modelling) and Indonesia (Innovation and Product Development/Environment & Energy).

From 1991 to 1994, Dr. Høybye has held the position as advisory hydrologist in Denmark for the *National Hydrological Data Centre* under the *Ministry of Environment and Energy/National*



Environmental Protection Agency. He has been Danish representative in international (Nordic, EU, IHP) professional committees and water resources/environmental monitoring program activities, and appointed expert by the *Danish Ministry of Environment and Energy* in questions concerning climate change and water resources/nature implications. Dr. Høybye has also acted as advisor on implementation of the EU Water Framework Directive, design and implementation of national and regional environmental monitoring programmes, including organisational aspects, training, environmental assessments and research studies.

Dr. Høybye furthermore contributes to international R&D through invited part-time advisory specialist and/or visiting professor positions at *Lund University, Sweden, Chongqing University of Telecommunication, China, and Tanjungpura University, Indonesia*, and possesses comprehensive experience as a lecturer at university level (math/statistics, mathematical modelling, IRBM, EIAs, LFA/project development, international cooperation/development, strategic analysis/decision support, innovation/scientific methodology). He has organised and carried out training of professionals in connection with a number of international implementation projects in Asia, Africa and Eastern Europe. He has participated actively in international project and R&D workshops and conferences (hereof several as co-organiser and facilitator), and he has produced/presented a large number of international publications and conference papers.

Education: 1994-1998. Ph.D. in Civil Engineering (Uncertainty/Risk Modelling in Hydrological Applications), Lund University, Faculty of Engineering & Environment.

1981-1985. B.Sc. in Civil Engineering. (Applied marine and river engineering), Danish Engineering Academy, Danish Technical University.

References: Available upon request

Mother tongue: Danish

Other languages:

	Speaking	Reading	Writing	Understanding
English	excellent	excellent	excellent	excellent
German	fair	good	fair	fair
Spanish	poor	fair	poor	fair

Countries of work experience:

Chad, China, Costa Rica, Cote d'Ivoire, Egypt, Estonia, Hungary, Indonesia, Laos, Lithuania, Malaysia, Mozambique, Namibia, Nicaragua, Norway, Poland, Qatar, Russia, Samoa, South Africa, Sweden, Tunisia, Turkmenistan, Ukraine, Vietnam, Zambia and Zimbabwe.

Work Experience (a representative selection of references):

2017: Cote d'Ivoire: Development of revised operational guidelines and a Results-based Logical Framework for the *Africa Climate Change Fund*, including formulation and evaluation of first call for proposals. Client: African Development Bank.

2016-17 Denmark: Strategic planning of future urban waste water management in Greater Copenhagen. Specialist Advisor. Development of future scenarios (climate, urban development, and demography), planning procedures and decision support criteria. Client: Biofos



2015-17 Denmark: Integrated Climate Adaptation Plan for the Greater Copenhagen City. Specialist Advisor to the Joint Copenhagen Municipalities Committee on the planning and design of a long-term infrastructure development programme to ensure the future climate resilience capacity while supporting efficient water management, green environment and synergy with other urban planning. Client: The ten municipalities and utility companies in Greater Copenhagen (HOFOR)

2014-15 Indonesia: Danida Business Partnership Programme – Establishment of an innovation and development laboratory/centre in West Kalimantan/Indonesia: *The Innovation Village*. Project Coordinator. Plan and create an incubator/business development company that develops new products (energy/electricity, water, waste, agriculture) for local markets, products that are developed and fabricated locally and using local raw materials. *The Innovation Village* is intended also to be a centre for local entrepreneurship spawning other workshops and production facilities in West-Kalimantan, including carrying out training and education in entrepreneurship, innovation and business development. Client: Østkraft Ltd., Tanjungpura University and Danida.

2013-15 Lake Chad: Sustainable Management of Water Resources under Climate Change to Alleviate Poverty in the Lake Chad Basin. Study Coordinator & Hydrological Expert. A scientifically-based interdisciplinary study/assessment to support the socio-economic development of the region in order to safeguard and sustain lives and livelihoods while reducing poverty and mitigating conflict over water accessibility and use. Client: Lund University for the Sida-Sarec Research Programme.

2013 Denmark: Climate Adaptation Plan for the Bornholm Island. Coordination of a regional adaptation plan, including mapping and assessments of future risks, development of cross-sectoral adaptation interventions, technical as well as community involvement, policy design, innovation coordination and investment plans. Client: Bornholm/Copenhagen Region.

2012 Namibia: Creating a Water and Environmental Innovation and Entrepreneurship Laboratory in Namibia – Linking University Research to Industry/Communities. Formulation of a strategic partnership programme between Namibia Polytechnic and Lund University, incl. fund-raising, outlining of work programme and negotiation/signing of MoUs. Client: Lund University for Sida.

2012-14 Indonesia: Bringing research in water and environment from the desk to the ground. An innovation partnership between Lund University, Sweden, and Tanjungpura University, Indonesia. Project Manager. Primer of an Innovation Centre, incl. student innovation competitions, innovation training courses for students and lectures, environmental BoP technology development, business plan, product commercialisation and entrepreneurship training. Client: Lund University for Sida.

2011-12 Zimbabwe/Mozambique: The Save River basin – a Shared Water Resource. Support to completion of the Phase 2 report: Scenario Development, including water resources development scenarios, present and future water demand, water resources development projects, institutional considerations and stakeholder participation. Client: InterConsult for the African Development Bank.

2011 Samoa/Fiji: Final Evaluation of Water Sector Support Programme (WaSSP). Water Resources Management Expert. Evaluation of the European Commission island development, water supply and sanitation program aiming at ensuring safe and sustainable potable water availability in *Small Island Developing States*. Client: EuroNet Consortium for the European Delegation to the Pacific Region.

2010 Mozambique: Feasibility Study to support private business development in the water, agriculture, environment and energy sectors. Investigate the feasibility of establishment of a generic innovation and product development company, which shall identify/develop and fabricate practical



and useful products at affordable prices, using local raw-materials and local labour/skills in order to satisfy local needs and markets. Client: Danida and ViSKon

2009-2011 Nicaragua & Costa Rica: Economic modelling and survey planning specialist. Payments for environmental services vs. command-and-control measures. Research study to analyse socio-economic costs and benefits versus environmental efficiency/effectiveness of the two instruments for natural resource management and rural economy in developing countries. Client: Danida.

2008-2012 Zambia: Danida Water Sector Program Support – IWRM Component. Water Resources Management Specialist. Technical and process input on strategic planning and implementation of the national water resources management programme. Concept design of a national water resources/environmental information system, support to national resources policy design, program/project planning and management, water supply and agriculture/irrigation demands assessment, hydropower planning and training/capacity building of national and regional government staff. Client: COWI Zambia for Danida and the Government of Zambia.

2006-2008 China: EU-China RBMP – IRBM/Planning in Yellow River and Yangtze River based on the EU-WFD principles. Project Coordinator. Responsible for project organization, contractual affairs and coordination of project input. Short-term input on IRBM and inter-disciplinary assessments, adaptation plans in view of climate changes, development of pollution control action plans. Facilitator of the policy/strategic plan negotiations and overall LFA/work plan development workshops. Client: DHV/SWECO/COWI Consortium for the EC Delegation to China and Ministry of Water Resources, China.

2007-2009 Caspian Sea/EECCA: Key Expert/Senior Environmental Management Expert. Caspian Water Quality Monitoring and Action Plan for Areas of Pollution Concern (Azerbaijan, Kazakhstan, Russian Federation, Turkmenistan). Responsible for development of the overall work plan (methodology and approach) for preparation of impact assessments and oil field pollution amelioration action plans, including design of monitoring program/surveys, modelling, action plan strategy, stakeholder forums and outlining of consensus reports. Client: DHV/COWI Consortium for the EC TACIS Programme.

2006-2007 EU: Expert Evaluator for the EU-FP7 (Environment and Climate, Sustainable Development) for the topics: "*Tools for impact assessment of sustainable development policies in international countries*" and "*Methodologies for scaling down to regional and local level the analysis of EU policy impacts on multifunctional land uses and economic activity*". Client: European Commission.

2006 DK/EU: Coordinator for the development of a framework for an *Inter-disciplinary Impact Assessment System for Integrated Rural Development Planning and Management (DEIDIAS)*. Client: Danish Ministry of Science and Technology.

2005-2010 Malaysia: Protection of Pahang River, its estuary and the Royal City of Pekan in view of changes in land-use and climate. Planning and conceptual design of an integrated estuary/coastal zone protection programme, harbour rehabilitation and flood mitigation programme, including coastal protection systems, flood protection works, environmental improvement/control and infrastructure development programme. Responsible for overall project planning and coordination, options assessment and conceptual design, social and environmental impact assessments, risk assessment, river and marine modelling, stakeholder involvement, synthesis/consensus workshops. Client: MRCB for the Ministry of Natural Resources and Environment of Malaysia.

2005 Vietnam/MRC: Review/planning of Danida's water sector programme. Technical Review of ongoing Danida Support to Water Resources Management in Vietnam and Thematic Study on Possible Future Support to IWRM in Vietnam and the Mekong River Commission. Assessment of the mandates, responsibilities, institutional arrangements and national capacity within IWRM, and recommendations on the strategic orientations of possible future support to IWRM, including



identification of appropriate counterparts. Technical team member responsible for review and evaluation of project components related to IWRM, support to sector institutes, education/research and the collaboration with MRC. Assessment of future water support in Vietnam and MRC (IWRM, WSS), implementation strategies and international donor coordination. Client: Danida.

2004-2006 Malaysia: Coastal and environmental rehabilitation of Tekek Bay, Tioman Island (Phase 1). Project Coordinator. Planning and design of a long-term integrated coastal zone and urban environmental rehabilitation program, including coastal protection design, environmental improvement/control, stormwater management and infrastructure rehabilitation program. Coordination of infrastructure design, EIA and SIA activities, including public/NGO involvement and stakeholder dialogues. Client: Ministry of Natural Resources and Environment of Malaysia.

2004 China: Conceptual Design of the Yellow River Flood Forecasting and Warning System for the XiaHua reach. Technical Advisor and responsible for coordination of technical and organisational aspects of flood management (data collection, on-line monitoring system, modelling, integration with other users, and decisions), including training/capacity building. Client: Asian Development Bank.

2003 Malaysia: Conservation and Sustainable Use of Peat Swamp Forests and Associated Wetland Ecosystems. Project holder and technical advisors for Multi-Disciplinary Assessments for the Loagan Bunut National Park (Sarawak) and the Klias Peninsula (Sabah). The project includes project management, field surveys, design and implementation of monitoring network (surface water, groundwater, water quality), data analysis and modelling, assessments and actions plans covering all aspects of water/environment, socio-economy, vegetation/forests and wildlife/ecology. Client: UNDP/GEF.

2003-2007 Malaysia: Coastal Protection of Teluk Cempedak, Pahang State. Technical Advisor. Detailed design and construction/implementation of sand nourishment, protection works and beach drainage/river pollution control. The project includes a five-year pilot study to implement and monitor the Pressure Equalisation Module (PEM) System for long-term environmentally friendly coastal protection. Client: MRCB for the Government of Malaysia, Ministry of Agriculture (DID).

2002, 2005 Egypt: Water management for rehabilitation of historical monuments. Team Leader of an experts mission to Ancient Thebes and Abu Mena to identify and design rehabilitation measures to protect the endangered cultural heritage sites. Outline of an Action Plan, including institutional strengthening, technological measures, public participation and awareness programs, reorganisation of groundwater/agricultural management. Client: UNESCO World Heritage Centre.

2002 China: Invited Guest Lecturer at Kunming University of Science and Technology, China. Research collaboration and lectures on integrated water resources management, water quality modelling, lake, wetland and river rehabilitation and optimal planning. EC-ASIA R&D Programme.

2001-2002 Malaysia: Integrated River Basin Management in Skudai River. Project Director. Rehabilitation of Skudai River, including institutional analysis, environmental baseline and assessments, preparation of rehabilitation action plan (technical and socio-economic evaluation) and design of rehabilitation measures, including wastewater, solid waste, relocation of squatters, agricultural management and protection of ecosystems. Client: Danga Bay Development Ltd. and Danida B2B.

2001-2003 Denmark: Groundwater Prediction Uncertainty Assessment Model. Project Manager. Development of an analytical modelling system for uncertainty assessment of numerical distributed



groundwater models for abstraction planning and land-use/pollution risk analysis. Test and implementation in two groundwater catchments. Client: Frederiksborg and Copenhagen Counties.

2000-2004 Vietnam: Integrated Flood/Disaster Management, Central Region. Technical advisor for the national flood/natural disaster prevention programme (Flood Prevention and Mitigation in the Central Vietnam River Basins) in co-operation with Hydro-Meteorological Service of Vietnam. Input on flood data/information systems, flood analysis and integrated flood management (strategy, policy and action plan). Client: SIDA/SAREC, European Commission and the Government of Vietnam.

1999-2001 Lithuania: Aquatic nuclear emergency plan for Ignalina NPP. Project Manager. Responsible for elaboration of institutional analysis and design of an emergency/operation management, monitoring and warning system for the Ignalina nuclear power plant and radioactive waste facilities. Client: DANCEE.

1998-2001 Ukraine: Environmental management of Dnieper River. Technical Advisor. Strengthening of water resources management of Dnieper River and Kachovka reservoir. Development of a sustainable water and environmental management plan for the Kahovka reservoir (hydropower, agricultural management, flood protection, water supply, amelioration of radio-active pollution from Tjernobyl) as a first step in the optimal management of the Dnieper River reservoir cascade. Client: SIDA.

1998-1999 Malaysia: Capacity building, Regional Humid Tropics Water Resources Centre for Southeast Asia and the Pacific (HTC). Participation in supporting and strengthening of flood analysis activities in the Regional Humid Tropics Water Resources Centre for Southeast Asia and the Pacific at the Ministry of Agriculture, Malaysia. Training and workshops covering flood protection/warning systems and integrated watershed planning. Client: UNESCO.

1998-1999 China: Development of the Flood Analysis and Protection System (FLAPS). Team Leader (Beijing/Zhengzhou). Responsible for hydrological and environmental data analyses, development of principles for reliability and risk analyses in rainfall-runoff modelling and predictions, and stochastic design of multi-purpose reservoirs and detention basins. Evaluation of environmental impacts, and implementation of integrated watershed planning and optimal reservoir operation. Client: Ministry of Water Resources, China, Swedish International Development Agency (SIDA/BITS).

1997 China: Reservoir design. Visiting researcher at China Institute of Water Resources and Hydropower Research, Beijing. Research co-operation and lectures on optimal flood control design, rainfall-runoff modelling and design rainfall generation methods. Formulation and issuance of a national norm/standard for design rainfall estimation for reservoir design. Client: Swedish International Development Agency (SIDA/SAREC).

1995-1996 Denmark: Urban water supply management (groundwater). Project manager. Development of a computer based decision support system for Roskilde municipal water supply planning and optimal management. Client: The Danish Ministry of Industry and Technology and Roskilde Municipality.

1994-1996 Lithuania: National water action plan. Project manager. Preparation of a National Water Action Plan including hydrological and environmental monitoring, installation of hydrometric equipment and automatic water quality stations, upgrading of laboratories. Client: Danish Environmental Protection Agency (DEPA).

1993-1998 Denmark: Wetlands/PSF research project. Hydrological advisor in a state-of-the-art assessment of wetland management and the effect of changes in land use and hydrological regime.



Planning and strategic recommendations for future development/restoration of wetlands in land use, water resources management and water quality improvement. Planning, implementation and monitoring of plus 20 lake and wetland/PSF restoration projects. Client: The National Environmental Research Institute for the Danish Environmental Protection Agency.

1990-1991 Denmark: Climate change assessment and policy development. Hydrological adviser in the first national inter-disciplinary committee on climate changes and the implications for Denmark. Client: Danish Ministry of Environment.

1989-1994 Denmark: Planning of the national environmental monitoring program. Hydrological Advisor. Participation in planning and implementation of the revised/modernised National Danish Environmental Monitoring Program, incl. water quantity/quality monitoring and modelling in rivers, lakes and groundwater, regional hydrology, statistical methods and transport of pollutants. Responsible for hydrologic and water quality data collection, agriculture/aquaculture management, wetlands, peat swamps and river/lake restoration projects, network design and optimisation and measuring techniques incl. pollutants transport in rivers. Client: Danish EPA and Regional Water/Environmental Authorities.

1985-1987 Denmark/Norway: Marine engineering/design of offshore oil production. R&D Engineer in development and design of offshore oil production systems in arctic areas and in the North Sea. Responsible for risk assessments for platform and sub-sea systems, environmental data, hydrodynamics, systems analysis and design of template & wellhead structures and installation procedures. Team Leader of computer-modelling of Ekofisk 2/4 platform in the Ekofisk Subsidence Project. Client: EEC and Philips Petroleum Ltd.

Courses & Training:

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| 2010 | Graduate courses in innovation and product design. Lund University. |
| 1994-1997 | Post-graduate courses in a.o. international water management, environmental impact assessments, logical framework approach and sustainable planning and development in transient countries. Lund University. |
| 1996 | Geostatistical methods and stochastic hydrogeology. Technical University of Helsinki. Nordic Research Academy. |
| 1992-1994 | M.Sc. courses in water management (advanced hydrological/hydraulic modelling, IWRM and water resources/supply in developing countries), Technical University of Denmark. |
| 1991, 1993 | Statistical Analysis System. Basic and advanced courses in SAS programming tools. SAS, Copenhagen. |
| 1990-1991 | National and International Economics, Westzeeland Business College. |

Publications:

Peer-review papers

1995 Høybye, J. Uncertainty Analysis in Water Quality Modelling - Case Study Hjarbæk Fjord. Nordic Hydrology, 27 (3), 1996, 203-214.



1996 Høybye, J. Model Error Propagation and Data Collection Design. An Application in Water Quality Modelling. *Water, Air and Soil Pollution*, Vol. 103: 101-119.

1997 Høybye, J. and Iritz, L. Statistical Analysis of Extreme Hydrological Events in an East Asian Monsoon-Climate Catchment. A Study in Hongru River, China. *Hydrological Sc. Journal*, Vol. 24(3).

1999 Høybye, J. and Rosbjerg, D. An Analysis of the Effect of Input and Parameter Uncertainties in Rainfall-Runoff Simulations. An Application in Flood Control in a Chinese River Basin. *Journal of Hydrologic Engineering, ASCE*, Vol. 4, No. 3.

2012 Høybye J.A. and Vinqvist M. A household livelihoods view: Analyzing opportunity cost components to understand PES impact on households in El Castillo, Nicaragua. *International Journal of Biodiversity Science, Ecosystem Services & Manuscript*. Submitted for publication.

2012 Vinqvist. M. and Høybye, J.A. Modelling PES in forest biodiversity conservation: predicting partial participation and additionality. *Ecological Economics*. Submitted.

Peer-review conferences

1994 Høybye, J. Optimal Use of Data and Models in Water Quality Planning. Nordic Hydrological Conference 1994, Thorshavn, Faroe Islands.

1994 Høybye, J. Uncertainties in Water Quality Modelling. Nordic Hydrological Conference 1994. NHP-Report No. 34.

1995 Høybye, J. Uncertainty Modelling of Linear Dynamic Systems. European Geophysical Society, XX General Assembly, Hamburg.

1999 Høybye, J. and Rosbjerg, D. An Analysis of the Effect of Input and Parameter Uncertainties in Hydrological Modelling. European Geophysical Society, XXIV General Assembly, The Hague.

2002 Høybye, J, L. Iritz, M. Zheleznyak, V. Maderich, R.Demchenko, N. Dziuba, G. Donchitz, V. Koshebutsy. Water quality modelling to support the operation of the Kakhovka Reservoir, Dnieper River, Ukraine. *Hydroinformatics 2002, Proceedings of the Fifth International Conference on Hydroinformatics*, Cardiff, UK, .Ed I.D. Cluckie, D. Han, J Davis Vol.2, IWA Publishing

2003 Høybye, J., B. Paludan, N-K. Terkildsen and J. Kürstein. General Analytical Uncertainty Model for Groundwater Simulations. Academy of Technical Sciences Conference on Soil and Groundwater Pollution, Vingstedcentret Conference Proceedings Volume II, March 2003. (In Danish)

2003 Invited speaker at Water & Drainage 2003 Conference, "Managing Our Water Resources – The Changing Value of Water", April 2003, Malaysia.

Papers without peer-review

1989 Nielsen, S., Steensen Blicher, A. & Høybye, J. Green wastewater - About lake restoration. *Vækst* 1989, No. 2 (In Danish).

1994 Høybye, J. Optimisation of data collection in water quality modelling. In: *EVA - Computer based tools in water supply and sanitation engineering*, Vol. 7, No. 3. Danish Association of Civil Engineers (In Danish).



1999 Høybye, J. Deterministic versus Stochastic Hydrological Modelling. Proceedings of the international seminar for water management in arid and semiarid areas. Expert meeting within the EU-INCO collaboration program HYDROMED. Report No. 3222, Lund University, Dept. of Water Resources Engineering, Sweden.

1999 Høybye, J. Water resources planning – and predictions. Uncertainties in data, models and decisions. Vatten, Nr. 55/2, pp. 83-87. (In Danish with English summary).

1999 Buchwaldt, M., Høybye, J., Iritz, L., Mozgeris, G. and Sedletski, A. Design and Operation of Flood Protection Systems. Conference proceedings, UNESCO International Workshop on Flood Forecasting for Tropical Regions, Kuala Lumpur, Malaysia.

2000 Høybye, J. Uncertainties and Decisions in Water Resources Modelling and Management. Conference Proceedings, EU/ASEAN Flood and Ecosystem 2000, Hanoi, Vietnam.

2002 Høybye, J. Integrated River Basin Management. Case Study: Skudai River, Malaysia. Lake Water Quality Modelling and Restoration Design. Conference Proceedings, ASEM/AEETC IRBM and Lake Restoration Workshop/Seminar, Kunming, China.

2003 Høybye, J. and M. Vinqvist. An Application of the Integrated River Basin Management Approach in River Rehabilitation Planning Case Study: Skudai River, Johor State, Conference Proceedings, International Water & Drainage Conference 2003, Kuala Lumpur, Malaysia.

2004 Vinqvist, M. and Høybye, J. Multi-Disciplinary Assessments of Peat Swamp Forests and Associated Wetlands Ecosystems for the Loagan Bunut National Park (Sarawak) and the Klias Peninsula (Sabah). Conference Proceedings, International Forestry and Forest Products Conference 2003, Kuala Lumpur, Malaysia.

2004 Larsson, R., Høybye, J., Iritz, L. and Maher, O.A. Mitigation of Flood Disasters in Central Vietnam - Integrated Flood Management Approach, Risk Assessment and Flash Flood Mitigation Strategy. Conference on Flash Floods and Mitigation Measures in Central Vietnam. Da Nang, Viet Nam.

2005 Høybye, J. and Iritz, L. Hydrological Models for Flood Warning and Forecasting in the Yellow River - a pilot project in Yi River, a tributary to Yellow River. Conference proceedings/invited paper, 2nd International Yellow River Forum, Yellow River Conservancy Commission, China.

2007 Lynghus, H. and Høybye, J. Experiences with planning of lake restoration in Denmark. System analysis and investigation – Approach and principles. Vannforeningen 16. oktober 2006, Norway. VANN 1-2007. (In Danish)

2007 Iritz, L. and Høybye, J. IDIAS - a tool for analysis and monitoring of direct and indirect effects of inter-disciplinary interventions in IRBM. Presentation/invited paper, 3rd International Yellow River Forum, Yellow River Conservancy Commission, China.

Books and book chapters

1992 Jensen, J.L. and Høybye, J. Hydrology of Catchments and Rivers. In Fenger J. (Ed), The Greenhouse Effect and Climate Change - Implications for Denmark). Ministry of Environment (In Danish with English summary)

1992 Johnsen, I. and Høybye, J. Nature and Climate. In Fenger J. (Ed), The Greenhouse Effect and Climate Change - Implications for Denmark). Ministry of Environment (In Danish with English summary)



1998 Høybye, J. Uncertainty Modelling in Hydrological Applications. Error Propagation Properties of Random Linear Systems. Report No. 1024 (Doctoral thesis), Lund University, Dept. of Water Resources Engineering, Sweden.

Selected research reports

1989 Høybye, J. & Steensen Blicher, A. Uncertainties in hydrological data from surface water gauging stations. FDC-publication No. 1. National Data Centre for Hydrological Data (In Danish with summary in English).

1990 Høybye, J. Freshwater inflow to the Danish waters. FDC-publication No. 6. National Data Centre for Hydrological Data (In Danish with summary in English).

1990 Andersen, A. & Høybye, J. Statistical models for estimating series of daily discharges. Ministry of Agriculture, Research Programme Report No. 45. (In Danish with summary in English).

1991 Høybye, J. Hydrological and Morphological Classification of Watersheds. FDC-publication No. 8. National Data Centre for Hydrological Data (In Danish with summary in English).

1993 Høybye, J. Wetlands and rivers - Hydrology and hydraulics. Technical Report No. 275. Ministry of Environment and Energy (In Danish with English summary).

1997 Teng W., Jia S., Berndtsson, R. and Høybye, J. Systematic Analysis Method for Design Rainstorms. Research Report. Planning and Design General Institute of Ministry of Water Resources.

1997 Berndtsson, R., Teng W., Jia S., Høybye, J. and Svensson, C. Space-time properties of extreme rainfall in the Hongru river catchment, Rep. Dept. Of Water Resources Engineering, 1-18, Lund University, Lund.

1997 Høybye, J. A Framework of an Interactive Flood Protection Design Module for the FLAPS system. Research Report. China Institute of Water Resources and Hydropower Research.

1997 Li, L. and Høybye, J. Analysis of Rainfall Frequencies and Rainfall-Runoff Relations in the Hongru River Basin. Research Report. China Institute of Water Resources and Hydropower Research.

1998 Vukovic, M., Zheleznyak, M., Høybye, J. and Iritz, L. Decision support system for planning countermeasures in order to mitigate consequences of accidental spills close to drinking water sources. Technical report, pp. 104, Lund University, Dept. of Water Resources Engineering, Sweden.

In addition, Dr. Høybye has written and been responsible for a large number of technical project implementation and evaluation reports in connection with national and international advisory and consultancy assignments.

Grants and awards:

Nordic Research Academy. Mobility and research grant 1995-1996.

Swedish International Development Agency. Research grant for the period 1997-1998 and 1999-2000

The Great Nordic Hydrology Association Award 1998 for the best paper in Nordic Hydrology during the period 1996-1997.