

Curriculum Vitae

(EU format – work bio, selected project management/research)

Wendy Kirsten Hansen

Researcher, *Knowledge and Industrial Dynamics*, UNU-Maastricht Economic Research Institute for Innovation and Technology (MERIT), the Netherlands.
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Summary of experience:

Specialization of research and experience

- Measurement and analyses of human resources in science and technology (HRST) and related policies (education, immigration/emigration, labour market, science, technology and innovation) at the international level (including ERA, North America, Asia).
- Research on flows and economic activities of HRST including human capital production and flows and their links in the innovation system, S&T indicators for social growth and economy.
- International expert/delegate on projects/committees with policy anchors including the EU (DG-RTD and DG-Enterprise), the Organisation for Economic Cooperation and Development (OECD), Government of Canada, the National Science Foundation (U.S.), the National Academy of Sciences (U.S.).

From-To

1997 to present: *Knowledge and Industrial Dynamics*, UNU-Maastricht Economic Research Institute for Innovation and Technology (MERIT), the Netherlands.

- I joined MERIT to continue my research on knowledge workers and innovation and technology. My activities have drawn me into a range of active policy areas including knowledge workers, S&T, R&D, innovation and Information Society. While at MERIT my work focuses on human capital and technology and innovation and includes:
 - Knowledge workers in S&T and innovation;
 - Human capital and economy;
 - Horizontal S&T and related policy (e.g. immigration, mobility, funding).

Research, project and management activities are provided on pages 2-3.

2010-2011, Advisor, Secretary General, the National Research Council, Canada.

- Provide analytic, research and policy support on an ad hoc basis.
- Engage international science, technology and innovation experts to develop knowledge transfer and socio-economic measures, explore publications and citation data to develop indicators of domestic and international collaboration of NRC researchers and flows of knowledge characteristics.

2000-2003, Research fellow, Institute of Infonomics (Heerlen NL)

- Research on new measures for linkages between knowledge workers and IT and specific measures and policies for a digitized society. Research includes SMEs and the Internet, comparisons of North America and Europe work force transition,

IT research mobility, impact of convergence of consumer electronics on employment.

1988-1997

- Senior policy analyst, human resources in S&T; portfolios of Global Information Society and Economy, Science and Technology Directorate, Strategic Policy of Industry and Science Policy Sector, Department of Industry, Government of Canada.
 - Provide strategic advice, producing technical and analytic reports, contributing to briefing notes and other policy initiatives for senior management, Office of the Minister and high profile activities including G-7, G-8 and NAFTA meetings and government-wide S&T reviews of activities and funding.
 - Work with Senior Officials of domestic and international departments to move S&T and human capital agenda forward.
 - Invited contributor to EU-DG(RTD) working committees on HRST and related science, technology and innovation indicators and policies, and Eurostat working groups on HRST and related data and indicator development.
 - Contributing author to the OECD Frascati Manual on the Measurement of Human Resources in Science and Technology.
 - Expert reviewer of 1st European S&T Indicators Report.
 - Member of Canada Council of Professional Engineering; President of local Union for Economists and Statisticians.

1982-1988

Research Officer, Projections and Analysis, Division of Post Secondary Education, Bureau of Statistics, Government of Canada.

Selected research activities

Project manager/contract researcher: *Analysis of researcher careers and implementation of new data collection activities (RESCAR)*, ERAWATCH network, IPTS and DG Research, (329.600€)(2007).

Contract researcher: *Analysis of publicly funded research programmes in view to assess and increase their impact on innovation (IMPLORE)*, Canada case study (2007).

Contract researcher: *Knowledge Economy Indicators: Development of Innovative and Reliable Indicator Systems*, funded by Sixth Framework Programme Priority 8: Policy Oriented Research (2005-2007);

Contract researcher: *Monitoring and analysis of policies and public financing instruments conducive to higher levels of R&D investments (POLICYMIX)*, DG Research, (2006-2007).

Project Manager/contract researcher: *S&T Linkage Indicators*, DG Research, Open Tender, (96.000€)(2006-2007).

Contract researcher: *Economic impact of open source software on innovation and competitiveness of the Information and Communication Technologies (ICT) sector in the EU (FLOSSPOL)*, DG Enterprise, (2006).

Project manager/contract researcher: *Policies for Human Resources*, ERAWATCH NETWORK (POHR), IPTS, Seville Spain and DG Research, (108.550€)(2006-2007).

Contract researcher: *Sectoral innovation in Europe Monitoring, Analysing Trends and Identifying Challenges (SYSTEMATIC)*, DG Enterprise, (2006-2008).

Contract researcher: *Feasibility of Indicators of Researchers' Mobility and Career Paths*, ERAWATCH research network (2005-2006).

Project manager/contract researcher: *Mapping surveys and other data sources on industrial R&D in the EU-25 countries*, IPTS and European Commission (110.000€) (2004).

Contract researcher, *European Network on Research Mobility*, (2000-2004).

Contract researcher: *Research Investment Policy Watch, Monitoring National Policy Developments Related to the Barcelona Targets*, IPTS and DG Enterprise, 2003.

Project Manager/contract researcher: *Flows of qualified researchers and scientists*, DG Research, (540.000€)(1999-2003).

Selected research output - publications/reports

International Study on the Status of Women in Chemistry, Computer Science and Mathematics: What We Know and What We Need To Know to Increase the Advancement of Women, *Chapter 4: Knowledge and Data Sources*, funding by National Science Foundation (U.S.) and National Academy of Sciences (U.S.) (forthcoming 2012/13).

Delanghe, Muldur and Soete eds, European Science and Technology Policy, Towards Integration or Fragmentation, *The European Research Area and Human Resources*, pgs. 237-255, Edward Elgar Publishing Inc., 2009.

Avveduto S. and Hansen W., *Careers of Doctorate Holders — Building Comparability at the International Level*, Discussion Paper, OECD, 2005.

Hansen, W., *Overview of International Research Investment Policy: The case of Canada*, Working paper for IRIM, 2005.

Hansen, W., *Flows of Qualified European Scientists and Engineers to the United States*, report for Brain Drain Project, DG Research 2004.

Hansen W., *Striking a New Path for Measurement for Flows of European Scientists and Engineers*, DG Research, 2004.

Hansen W., *International Mobility of Scientists and Engineers — Some Issues and Implications*, October 2003, working paper for ENMOB, IPTS.

N. Hazewindus, P. Ballon, M. Bogdanowicz, J.C. Burgelman, U. Joregensen, W.K. Hansen, G.J. Nauwelaerts, A. Puissochet, P. Tang, T. Venables, *The Impact of Convergence on the Competitiveness of the European Consumer Electronics Industry*, IPTS, 2001.

Hansen W., *An Overview of the Transition of the Skill Base in Three ICT Industries*, Statistics Canada, 2000.

Hansen W., *An Analysis of Science and Technology Workers: Deployment in the Canadian Economy*, Statistics Canada, 2000.

- Fred D. Gault, Wendy Hansen, *Knowledge Flows in the S&T System*, D.A. Dyker and S. Radosevic Editors, Innovation and Structural Change in Post-Socialist Countries: A Quantitative Approach, pgs 411-417, Kluwer Academic Publishers, The Netherlands, 1999.
- Hansen W., *Linkages of S&T Indicator Development and Policy Requirements for an S&T Framework*, TACIS report, 1998.
- Hansen et al, *CORDIS, An International Comparison*, Internal report for DG InfoSociety, 1998.
- Linkages of S&T Indicator Developments and Policy Requirements for an S&T Framework*, TACIS project, 1998.
- A Summary of S&T Statistics and Indicator Development in Russia, 1991 to 1998*, TACIS project, 1998.
- Hansen W. *An Analysis of Policy Issues and User's Needs for the Information Infrastructure/Information Society*, internal report, DG XIII, 1997.
- Mozes, Sciadas, Gault, Hansen, Motzney, *Measuring the Global Information Infrastructure for a Global Information Society — Concepts and Performance Indicators*, Industry Canada, Heritage Canada, Department of Finance, Industry Canada, Ottawa, September 1996.