

# NIFU Track-Record on Research Mobility

## Strong tradition in researcher mobility research

NIFU<sup>1</sup> (Norway) has contributed significantly in developing research mobility studies nationally and internationally. Our track-record traces back to the mid-1990s and includes leading roles in a number of groundbreaking national and international studies, as well as participation in the work of the OECD, the ESF, and other international organizations. Our work utilizes a range of empirical approaches. This institute CV presents an overview of that work, including information about the data-resources we have used to analyze the changing patterns of research-mobility, factors that shape it, and its effects.

## Background

Improving the basis for researcher mobility is (re)emerging as a central priority of Europe research and innovation policy. A set of European studies has been initiated to better understand the patterns of researcher mobility across Europe and, moreover, to better understand national or institutional conditions that may promote or that may retard researcher mobility. On this basis, current policy initiatives are being directed towards improving conditions for researcher mobility across national and sectoral boundaries. This focus is being pursued on the premise that researcher mobility plays an increasingly important role in the career development of today's researchers, and that it ultimately plays a central role in the generation, transfer and sharing of knowledge more widely.

## Mobility Projects

2014-2020: Research Infrastructure for research and innovation policy studies (RISIS)

- Scope: Data access infrastructure to study research mobility
- Funding Agency: EU Commission
- NIFU's Role: Work-package leader and contributor to work on Research Careers
- Data approach: collation of survey results from MORE I and MORE II.

2014: Researcher Mobility and the Research Barometer, Ministry of Education & Research.

Registry data. KD Project:

- Funding Agency: Norwegian Ministry of Education and Research
- Scope: Norway
- Data approach: Registry data
- Reports:

Ministry of Education and Research's Research Barometer

<http://www.regjeringen.no/nb/dep/kd/kampanjer/forskningsbarometeret/2014/Forskningsbarometeret-Tema-2014-Forskermobilitet.html?id=758586>

NIFU's Report <http://www.nifu.no/publications/1145559/>,

2013: Nordic Crossing: Mobility of Researchers and Knowledge Transfer in the Nordic Region: Patterns, Framework Conditions, Incentives, and Trends. CVs and SIM-Rec Survey.

- Scope: Nordic countries.

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<sup>1</sup> Under the names The Step-Group, the NIFU STEP, and now NIFU.

- Data approach: CV data and survey results
- Reports: NordForsk 2012-2013.
- Iversen, E. J. (and 8 others) (2014) Crossing-Borders-Obstacles and Incentives to Researcher Mobility, Nordforsk Policy Paper 3:2014.  
<http://www.nifu.no/publications/1128162/>.

2012: SIM ReC: 2011-2012. Project leader: Study on international mobility and researchers' career development (SIM-ReC)

- Scope: 10 European Countries
- NIFU's Role: Project Manager/Lead Partner
- Funding Agency: IPTS
- EU Joint Research Centre: Institute for Prospective Technological Studies (IPTS)
- Data approach: Survey
- Reports:
  - Iversen, EJ (2012) FINAL REPORT: Study on international mobility and researchers' career development / X13 – SIM ReC: Contract 151364-2009A08-BE

2010: MORE 1: Work-package leader: Study on mobility patterns and career paths of EU researchers

- Scope: 10 European Countries
- Funding Agency: EU Commission RTD
- NIFU's Role: Work-package leader
- Data approach: Survey
- Reports:
  - MORE (2010a), Study on mobility patterns and career paths of EU researchers, REPORT 2: Second (final) update of IISER Indicators (deliverable 5), Work package 2, EU Commission Report, April 2010.
  - MORE (2010b), Study on mobility patterns and career paths of EU researchers, TECHNICAL REPORT 2 – Part I: Mobility Survey of the Higher Education Sector, Work package 3 & 4, EU Commission Report, April 2010.
  - MORE (2010c), Study on mobility patterns and career paths of EU researchers, TECHNICAL REPORT 2 – Part III: Mobility Survey of the non-university research institutes sector, Work package 3 & 4, EU Commission Report, June 2010.
  - MORE (2010d), Study on mobility patterns and career paths of EU researchers, FINAL REPORT (deliverable 7).

2005: Rindicate: Multiple Framework Service Contract for Expert Support with the Production and Analysis of R&D Policy Indicators

- Scope: 8 European Countries
- Funding Agency: EU Commission RTD
- NIFU's Role: Work-package leader
- Data approach: Survey

Reports:

Rindicat (2008), Evidence on the main factors inhibiting mobility and career development of researchers, Contract DG-RTD-2005-M-02-01, Final Report, European Commission.

[http://ec.europa.eu/euraxess/pdf/research\\_policies/rindicat\\_final\\_report\\_2008\\_11\\_june\\_08\\_v4.pdf](http://ec.europa.eu/euraxess/pdf/research_policies/rindicat_final_report_2008_11_june_08_v4.pdf).

2004: European network on human mobility – ENMOB led by STEP under the 5th Framework Programme (FP5): 2001-2004.

- Scope: European Researcher network
- Funding Agency: EU Commission RTD
- NIFU's Role: Work-package leader
- Data approach: Survey
- Reports

Ekeland, A. ENMOB - European Network on Human mobility: Final Report.

<http://ec.europa.eu/research/social-sciences/pdf/finalreport/hpse-ct-2001-50002-final-report.pdf>

2002: "Flows of human capital in the Nordic countries" ("Kompetansestrømmer i Norden").

- Scope: Nordic countries.
- Funding Agency: Nordic Industrial Fund
- NIFU's role: Lead partner
- Data approach: CV data and survey results

Reports:

Anders Ekeland, Ebbe Graversen, Mette Lemming, Mikael Åkerblom, Markku Virtaharju, Jonny Ullström (2002) Mobility from the research sector in the Nordic countries <http://survey.nifu.no/step/reports/Y2002/0402.pdf>. Publications in STEP Report Series.

NORFA (2002) Nordic research training – international quality.

### [Evaluation of specific policy instruments](#)

Broch, M. (2005): Norwegian Fulbright Grantee Survey. Working paper 21/2005. Oslo

Sweetman, Vabø & Finkelstein (2011): Review of the Partnership Programme in Higher Education with North America. NIFU rapport 43/2011, Oslo

Røsdal, Aanstad og Spilling (2013): Viktig program – små ressurser. Evaluering av Yggdrasil mobilitetsprogram. NIFU rapport 33/2013, Oslo

## OECD and Eurostat

OECD work on National Innovation Systems in the “Focus Group on Human Mobility” in 1997-1998:

OECD work on Mapping Careers and Mobility of Doctorate Holders (CDH) and KnowINNO.

## Other publications

Terje Bruen Olsen and Dag W. Aksnes (2011). CDH-statistics for Norway. Report on the Norwegian collection of data on the Career of Doctoral Holders. NIFU STEP.

Nerdrum, Lars; Sarpebakken, Bo (2006): Mobility of foreign researchers in Norway. Science and Public Policy, Volume 33, Number 3, April 2006, pp. 217-229(13)

Lars Nerdrum, Inge Ramberg og Bo Sarpebakken (2003): Inngående forskermobilitet til Norge. Omfang og erfaringer. NIFU skriftserie nr. 10/2003, Oslo

Johan Hauknes and Anders Ekeland (2002) Mobility of researchers – policy, models and data”Kompetanse, mobilitet og verdiskapning”,  
<http://survey.nifu.no/step/reports/Y2002/0402.pdf>

Bugge, M & A Ekeland 2002. The mobility from the research sector – The Norwegian case 1987 – 2000. Step Report 03/2002. <http://survey.nifu.no/step/reports/Y2002/0302.pdf>

Bo Sarpebakken (1998): Mobilitet i det norske forskningssystemet i perioden 1989-1995. NIFU skriftserie 3/1998, Oslo

Hauknes, J 1994. “Modelling the mobility of researchers”, STEP-report, 9-94,  
<http://survey.nifu.no/step/reports/Y1994/0994.pdf>

## Data-resources used to approach researcher-mobility

Researcher Mobility: Overview of data resources:

I. Registry (administrative) data:  
Employment Data (source Statistics Norway) <sup>2</sup>  
The Researcher-Personnel Register (source NIFU)  
R&D Data for the academic and research-institute sectors (source NIFU) <sup>3</sup>.

II. Survey data:  
More I (possibility to supplement with MORE II results will be investigated).  
SIM ReC data, with extension to Norway.

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<sup>2</sup> [http://www.ssb.no/a/publikasjoner/pdf/notat\\_201008/notat\\_201008.pdf](http://www.ssb.no/a/publikasjoner/pdf/notat_201008/notat_201008.pdf)

<sup>3</sup> <http://www.nifu.no/en/statistics/databaser-og-registre/4897-2/?lang=en>

III. Supplemental data and links:

CV data as collected for the Nordic Crossing project.

NIFU Doctorate Registry <http://www.nifu.no/en/research/doktorgrader/>

Iversen, EJ (2012) FINAL REPORT: Study on international mobility and researchers' career development / X13 – SIM ReC:. Framework Service Contract 151364-2009A08-BE

Dataset	Original Name	Source	Datatype	Timeframe/Reference	Coverage
Employment Data	Sysselsettingsfilene	SSB	Registry	2000-2012: Annual data	All Norwegian Employees
Norwegian Research Personnel	Forskerpersonalregister	NIFU	Registry	2000-2012: Biennial (until 2008, annual thereafter)	Researchers in R&D Performing sectors
National R&D statistics for the academic and research-institute sectors	FoU Undersøkelsen Study of International Mobility and Researchers' Career development	NIFU	Registry	2000-2012: Biennial	Institutions in R&D Performing sectors
SIM REC	Study of International Mobility and Researchers' Career development	NIFU	Survey (2012)	2000-2011: executed in 2012	HEI Sector (Sample)
SIM REC Norway	(Norway)	NIFU	Survey	2000-2012: executed in 2013	R&D Performing sectors (Sample) Researchers
CV data harvested from the Cristin ("Current Research Information System In Norway")	"Current Research Information System In Norway"	CRISTIN	CV	Collected in 2013	at the largest HEI institutions