



MAX-PLANCK-INSTITUT
FÜR DEMOGRAFISCHE
FORSCHUNG

MAX PLANCK INSTITUTE
FOR DEMOGRAPHIC
RESEARCH



Engineering and Physical Sciences
Research Council

Workshop Program
September 25 – 27, 2013, Rostock

The decision to emigrate

Agent-based modeling of international migration

Organized by
Max Planck Institute for Demographic Research, Rostock
and
The EPSRC Care Life Cycle Project, University of Southampton

Venue:

Max Planck Institute for Demographic Research (MPIDR)
Konrad-Zuse-Str. 1
18057 Rostock
Germany

Registration:

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Aim of the workshop

The aim of the workshop is (1) to review and discuss what we know about the emigration decision and (2) to identify behavioural theories that are sufficiently specific to be used in agent-based modeling of international migration. The Theory of Planned Behaviour provides a point of departure. Other theories will be considered. The ultimate aim of modeling the emigration decision is to improve predictive modeling of international migration.

Wednesday, September 25

Chair **Jakub Bijak, University of Southampton**

09:00-09:30 **Welcome and introduction**

Frans Willekens
Room 005

09:30-10:15 *James Raymer, Australian Demographic and Social Research Institute, Australian National University, Canberra*
Integrated modeling of European migration

10:15-11:00 *Aart Liefbroer, NIDI, The Hague, and Department of Sociology, Free University of Amsterdam*
The Theory of Planned Behaviour (TPB): review and reflection

11:00-11:30 Coffee break

11:30-12:15 *Chris Smith; Institute for Environment and Human Security, United Nations University, Brighton, UK*
Climate change and migration: Theory of Planned Behaviour and agent-based model

12:15-14:00 Lunch

Chair **Frans Willekens, MPIDR**

14:00-14:45 *Cris Beauchemin, INED and Bruno Schoumaker, Université Catholique de Louvain*
Migration between Africa and Europe: intentions and behaviour

14:45-15:30 *Pau Baizán, University Pompeu Fabra, Barcelona*
Leaving Senegal: a life-course strategy?

15:30-16:00 Coffee break

- 16:00-16:45** *Harry van Dalen*, NIDI, The Hague and University of Tilburg and
Kene Henkens NIDI, The Hague and University of Amsterdam
Emigration intentions and behaviour in the Netherlands
- 16:45-17:30** **General discussion**
- 18:30** Restaurant „Alter Fritz“

Thursday, September 26

Chair **Sebastian Kluesener, MPIDR**

- 09:00-09:45** *Andrei Rogers*, University of Colorado, Boulder
Migration modeling with defective data
- 09:45-10:30** *Eric Silverman*, Social Statistics and Demography, University of Southampton
Agent-based modeling and complexity science
- 10:30-11:00** Coffee break
- 11:00-11:45** *Thilo Lang and Robert Nadler*, Leibniz Institut für Länderkunde, Leipzig
The decision to return: return migration in Central Europe
- 11:45-12:30** *Ceri Oeppen*, Dept. of Geography, University of Sussex
The decision to return: Afghans in the UK and Norway
- 12:30-14:00** Lunch

Chair **Tim Leibert, Leibniz Institut für Länderkunde, Leipzig**

- 14:00-14:45** *Anna Klabunde*, Department of Economics, Ruhr University, Bochum
Computational economic modeling of migration
- 14:45-15:30** *Juergen Groeneveld*, Department of Ecological Modeling, Helmholtz Centre
for Environmental Research (UFZ), Leipzig
Human decisions in ABM for land use.
- 15:30-16:00** Coffee break
- 16:00-16:45** *Frans Willekens*, MPIDR
*Agent-based modeling and simulation of international migration: prototype
model based on Theory of Planned Behaviour*
- 16:45-17:30** **General discussion**
- 18:30** Restaurant „Alte Apotheke“ in the Hotel Sonne

Friday, September 27

Chair **Carsten Buchmann, Helmholtz Centre for Environmental Research (UFZ), Leipzig**

09:00-09:45 *Mathias Czaika, International Migration Institute, University of Oxford*
The use of heuristics in migration decision-making, including responses to emigration policies

09:45-10:30 *Jakub Bijak, Social Statistics and Demography, University of Southampton*
Operationalization of the Theory of Planned Behaviour: a Bayesian decision-theoretic perspective and a reflection

10:30-12:00 **Conclusion and discussion**

Warnow

Rostock

City Map



- Station (Local Trains)
- Station (Tram/Bus)
- National Rail Service
- Railway
- Tramway
- National Rail Service
- Supermarket
- Cash dispenser
- Post office