

One Post-doctoral position (full-time, 4,5 year) and **two fully funded PhD positions** (4 years) for the European Research Council (ERC) funded **Consolidator Grant research project DEPRIVEDHOODS**: Socio-spatial inequality, deprived neighbourhoods, and neighbourhood effects, led by the principal investigator Professor Maarten van Ham

DEPRIVEDHOODS is a methodologically challenging inter-disciplinary and international 5-year research project with 10 researchers in four countries, using unique geo-referenced longitudinal data from Sweden, United Kingdom, Estonia, and The Netherlands. The objective is to come to a better understanding of the relationship between socio-economic inequality, poverty and neighbourhoods, at a time when the spatial concentration of poverty within cities is of great concern to national governments. DEPRIVEDHOODS will break new ground by simultaneously studying neighbourhood sorting over the life course, neighbourhood change, and neighbourhood effects, within one theoretical and analytical framework.

Postdoc for ERC project Socio-spatial inequality, deprived neighbourhoods, and neighbourhood effects

This is a full-time 4,5 year post-doctoral position (with an initial contract for 1 year). The postdoc will play a central role in the project. Main tasks include: executing own research within the scope of the grant proposal with the PI and the international research partners; co-supervising PhD students; and project management (1 day a week). The postdoc will work on co-authored papers with the PI, partners and PhD students and will assist in further developing and implementing the project. The candidate holds a PhD in sociology, demography, geography, economics, applied statistics, or relevant discipline. The candidate has a strong quantitative background, has experience with analysing large individual level longitudinal data sets, is an advanced user of STATA software, and has a very strong background in advanced statistical techniques. Candidates have a proven track record of peer-reviewed publications, are willing to travel, and have a good command of English (spoken & written). A good command of Dutch is an advantage but not necessary. Willingness to work in an international team, and excellent project management and communication skills, are regarded as assets.

See for more information: www.academictransfer.com/22097

Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities. Monthly salary range €3259- €4462 (depending on experience). In addition an attractive end-of-year award and holiday pay award will be paid.

When applying for this position, please refer to vacancy number BK2014-05

PhD position 1: neighbourhood choice and individual neighbourhood histories

This is a 4 year PhD position (with an initial contract for 1 year). The PhD student will work on a PhD thesis (partly) based on co-authored peer-reviewed publications under the supervision of Prof van Ham, a post-doc and international collaborators. The student will work on a project which will investigate neighbourhood choice, and individual neighbourhood histories over longer periods of time, including the relationships between parental neighbourhood characteristics and the neighbourhood choices of their children as adults. The candidate holds a Master degree in

demography, sociology, geography, economics, or relevant social science. The candidate has a strong quantitative background, and experience with analysing large (longitudinal) data sets and the use of STATA software. The candidate is expected to be willing to go on short trips to the 4 research countries, and to have a good command of English (spoken & written). A good command of Dutch is an advantage, but not necessary. A keen interest in the research topic, a willingness to work in an international team, good communication skills, excellent study results, and experience in academic writing are regarded as assets.

See for more information: www.academictransfer.com/22076

Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities. Monthly salary range €2083- €2664 (salary increases from 1st to 4th year). In addition an attractive end-of-year award and holiday pay award will be paid.

When applying for this position, please refer to vacancy number BK2014-03.

PhD position 2: Modifiable Areal Unit Problem (MAUP) and neighbourhood effects

This is a 4 year PhD position (with an initial contract for 1 year). The PhD student will work on a PhD thesis (partly) based on co-authored peer-reviewed publications under the supervision of Prof van Ham, a post-doc and international collaborators. The student will work on a project which will investigate how to better operationalize neighbourhoods, including using alternative bespoke neighbourhood geographies, and how to take into account the Modifiable Areal Unit Problem (MAUP) when modelling neighbourhood effects. The candidate holds a Master degree in human geography, or another spatially aware social science (demography, sociology, economics). The candidate has a quantitative background, is experienced in using geographic information systems (ArcGIS), and is familiar with quantitative analysis methods (i.e. regression analysis). The candidate is willing to go on short trips to the 4 research countries, and to have a good command of English (spoken & written). A good command of Dutch is an advantage, but not necessary. A keen interest in the research topic, a willingness to work in a team, good communication skills, excellent study results, and experience in academic writing are regarded as assets.

See for more information: www.academictransfer.com/22075

Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities. Monthly salary range €2083- €2664 (salary increases from 1st to 4th year). In addition an attractive end-of-year award and holiday pay award will be paid.

When applying for this position, please refer to vacancy number BK2014-04.

The positions are open to applicants from all around the world.

Information and application

For more information about these positions, please contact Prof. Maarten van Ham, phone: +31 (0)15-2782782, e-mail: m.vanham@tudelft.nl.

To apply for the post-doctoral position, please e-mail a detailed academic CV including publication list and three references along with a letter of application by **28 March 2014** to Mrs. C. Moualed, HR-OTB@tudelft.nl.

To apply for the PhD positions, please send a detailed CV and two references along with a letter of application by **28 March 2014** to Mrs. C. Moualed, HR-OTB@tudelft.nl.