GIANLUCA BOO

Eichliackerstasse 9
8406 Winterthur
Switzerland

www.idiosyncraticmapper.net
contact@idiosyncraticmapper.net
+41 76 449 34 93

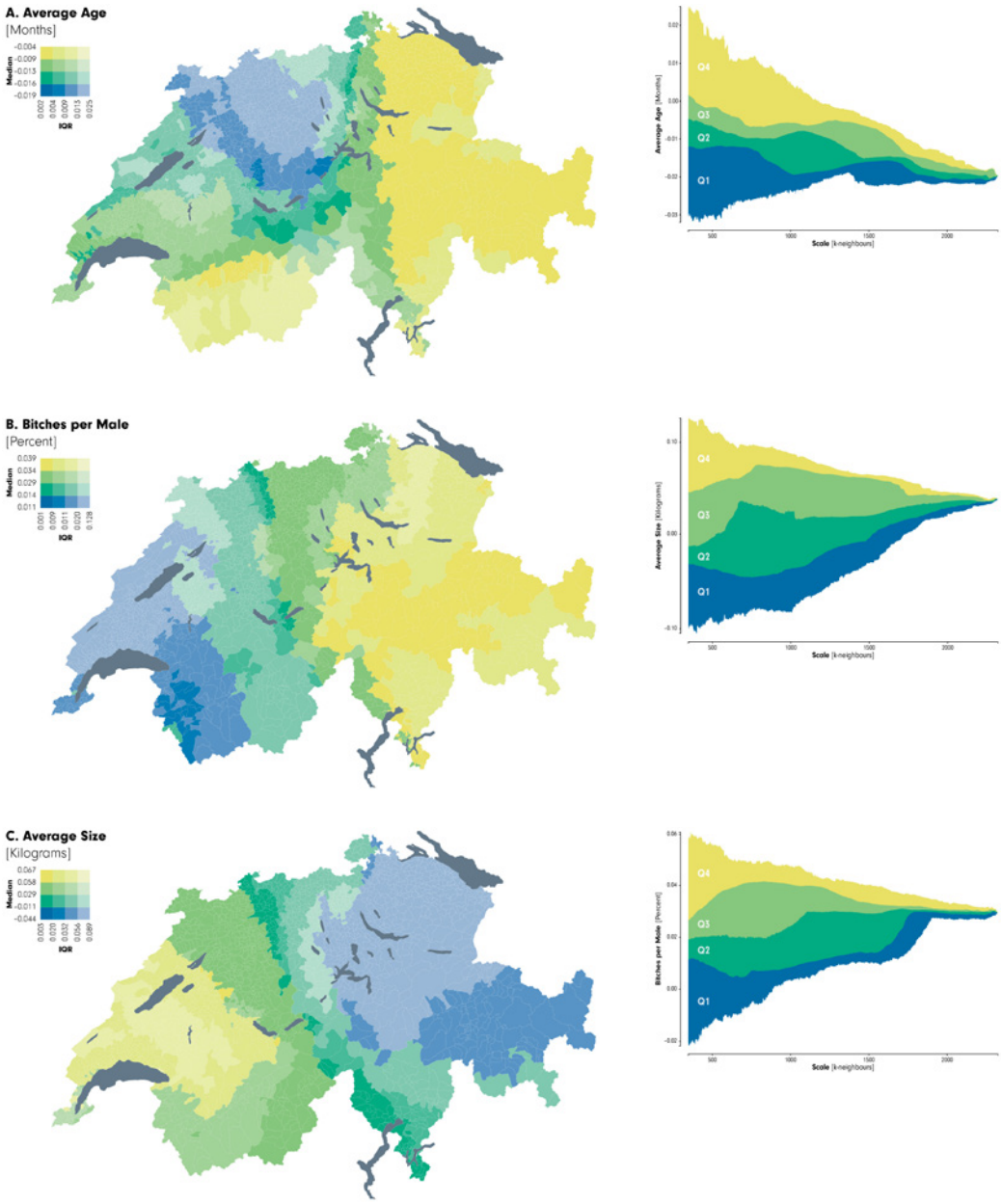
PORTFOLIO
2010 – 2017

2017

Spatial Non-Stationarity and Geographic Scale in Models of Canine Cancer Incidence

Poster Presentation at GEOMED 2017
University of Zurich, Switzerland

The maps are built using a bivariate mapping technique, named value-by-alpha. This allows to simultaneously depict both the median and the interquartile range (IQR) of values summarized for different geographic scales. The scalograms on the right show the range of values according to geographic scale.



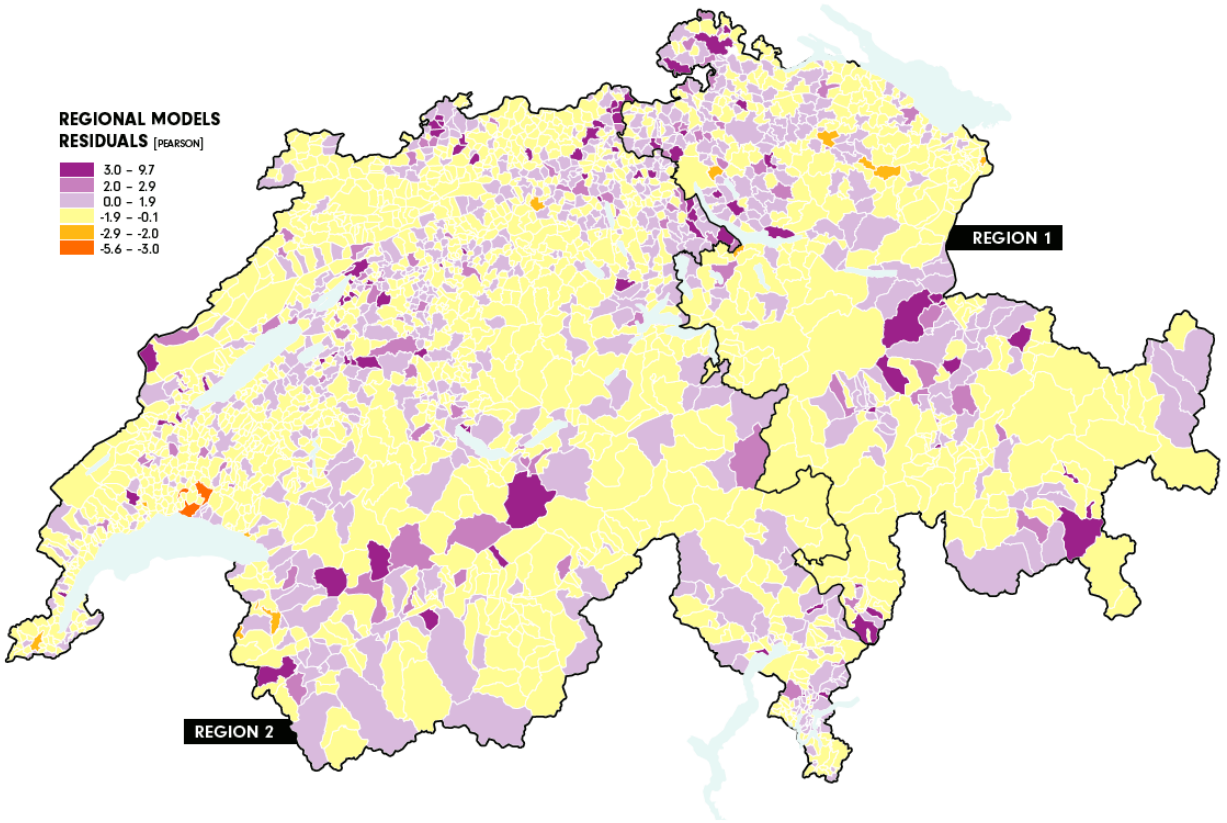
2016

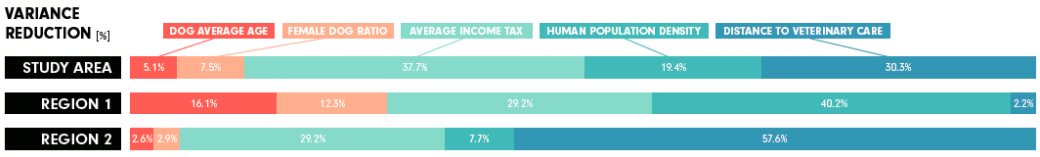
Exploring Spatial Non-Stationarity Through Regional Modeling

Poster Presentation at GIScience 2016
University of Zurich, Switzerland

The map presents two regions where models of canine cancer incidence result in similar statistical performance. The chart presents the impact of the different independent variables on the explained variability of models. This allows characterizing two under-reporting regimes within the study area.

Conference Best Poster Award





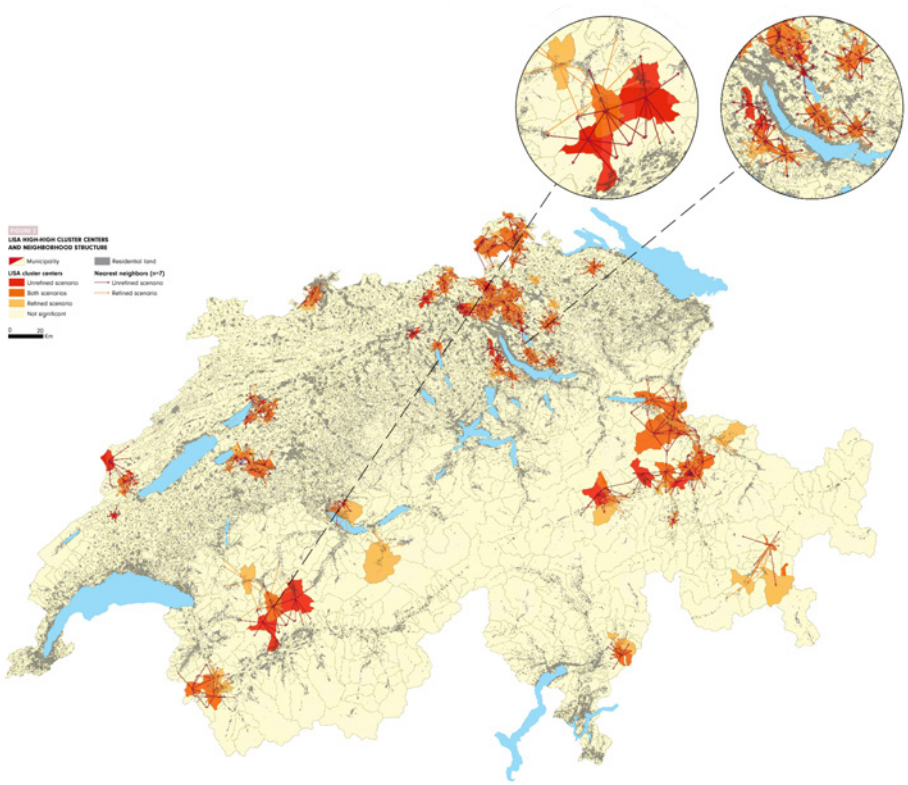
2015

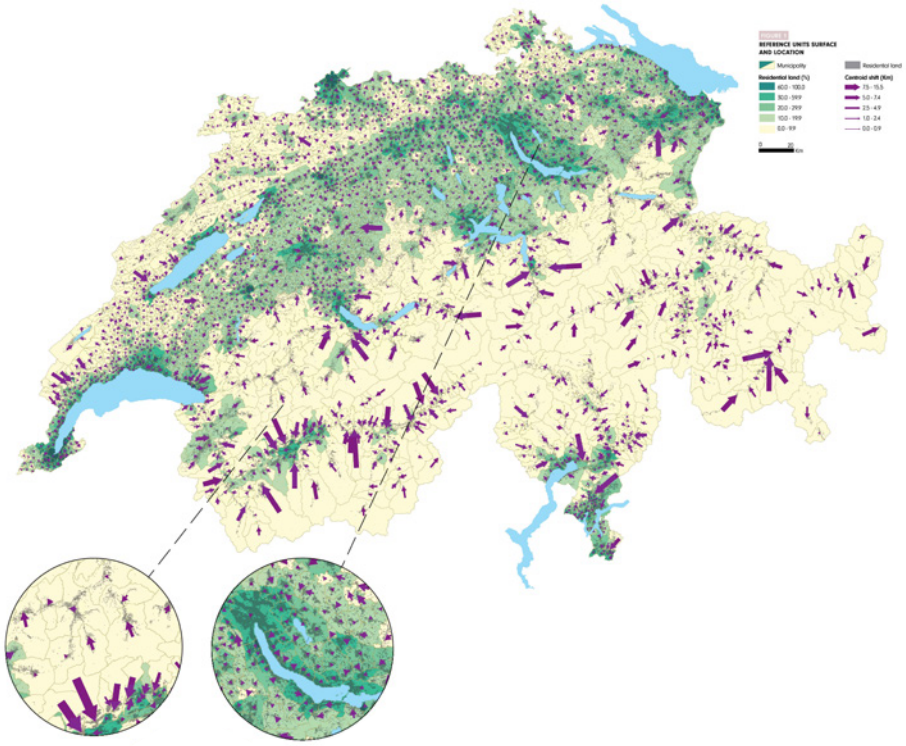
An Innovative Geographical Approach to Spatial Epidemiology — Dasymmetric Refinement of Canine Cancer Location Data

Poster Presentation at GEOMED 2015
University of Zurich, Switzerland

The maps show effects of dasymetric mapping, an areal interpolation technique for refining the output of a choropleth map. The map on the left presents potential effects on the recomputation of environmental variables used in models of canine cancer incidence. The map on the right presents potential effects on cluster detection.

Conference Best Poster Award





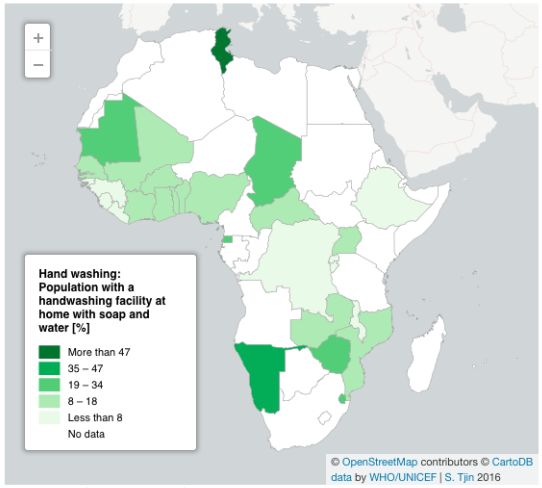
2014–2016

Webmaps Created with Students During the Geovisualization Classes

Geographic Information Visualization & Analysis
University of Zurich, Switzerland

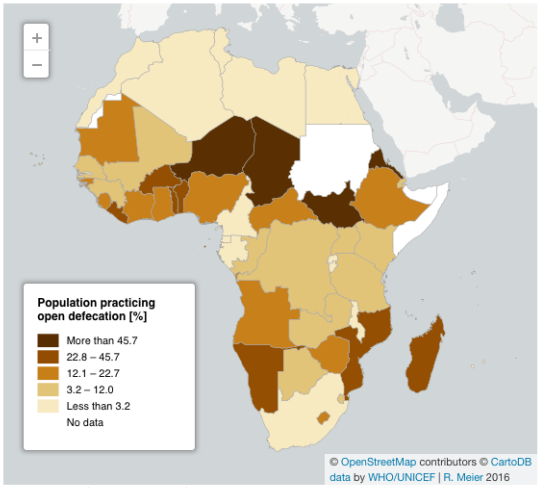
The maps have been created together with the students of the Geovisualization classes, I tutored between 2014 and 2016. During this period, I have been teaching different technologies, such as SVG, Leaflet, CartoDB. Under my guidance, the students developed several web map applications, for instance, the one on "Water and Sanitation in Africa".

Hand washing in Africa (2010 – 2014)



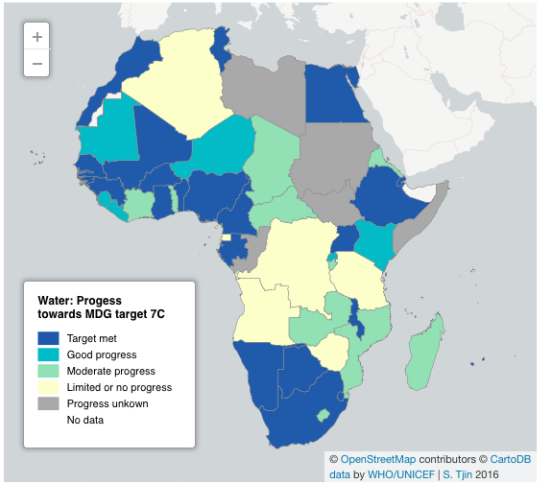
full screen (opens a new tab)

Open defecation in Africa (2015)



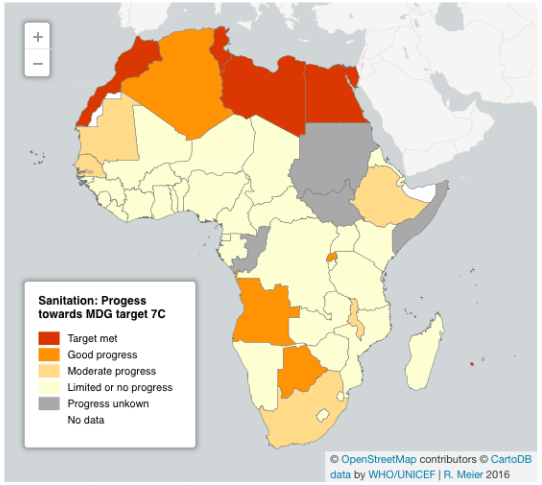
full screen (opens a new tab)

Water accessibility: Progress in Africa (1990 – 2015)



full screen (opens a new tab)

Sanitation accessibility: Progress in Africa (1990 – 2015)



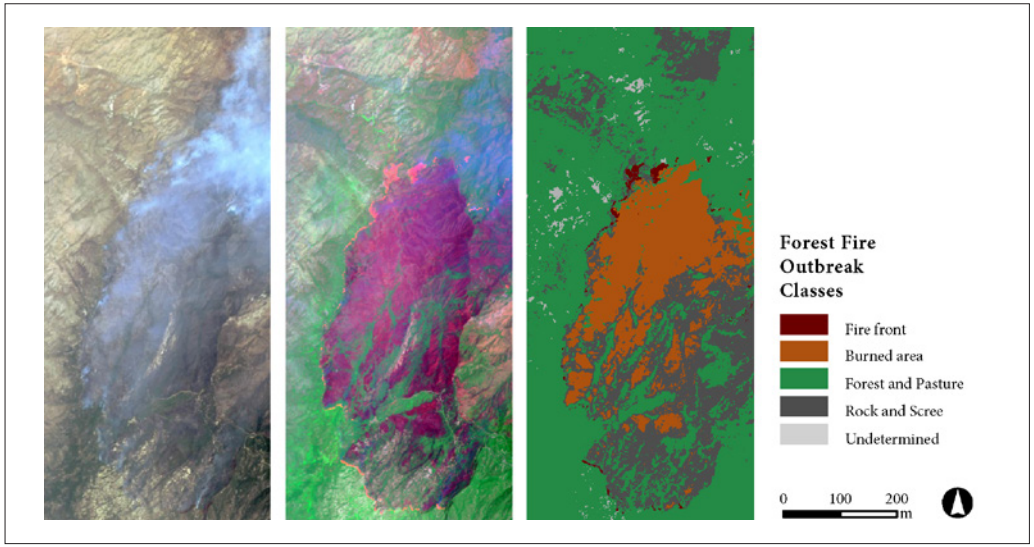
full screen (opens a new tab)

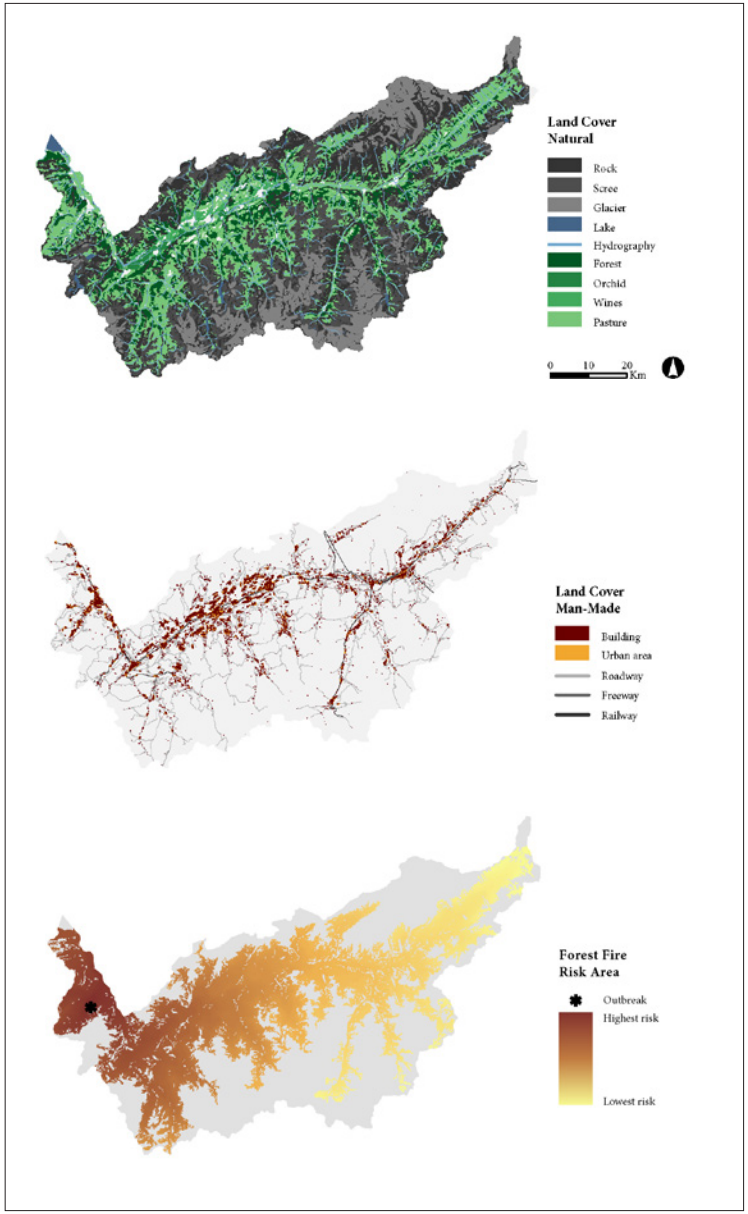
2013

Design and Implementation of a Forest Fire Risk Management System for the Swiss Canton of Valais

Assignment for the Certificate in GIScience
VU University Amsterdam, The Netherlands

The maps present the analytical workflow of a case study of forest fire modeling. The map on the left shows the outbreak location, as detected from remotely sensed images. The maps on the right present some components of the forest fire risk management system.



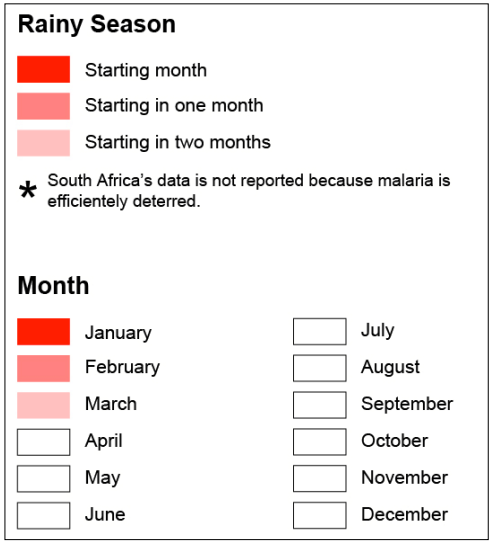


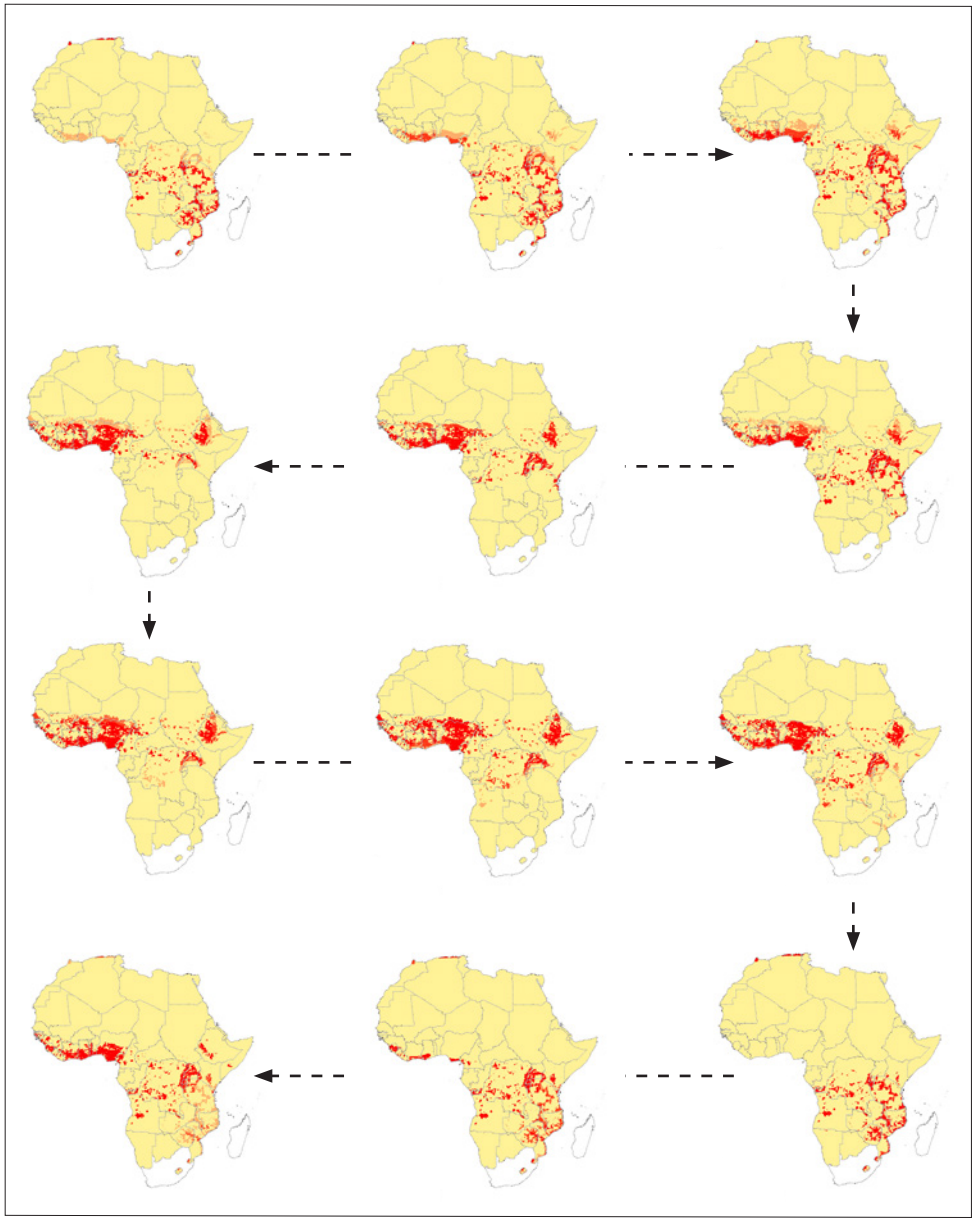
2013

Workshop II — Spatiotemporal modeling of malaria in Africa

Assignment for the Certificate in GIScience
VU University Amsterdam, The Netherlands

The maps are part of a spatiotemporal model of the malaria distribution in Africa. This is meant to plan the distribution of mosquito nets across the continent. The animation allows detecting the spatial evolution of the rainy season, and the associated risk of malaria outbreak.



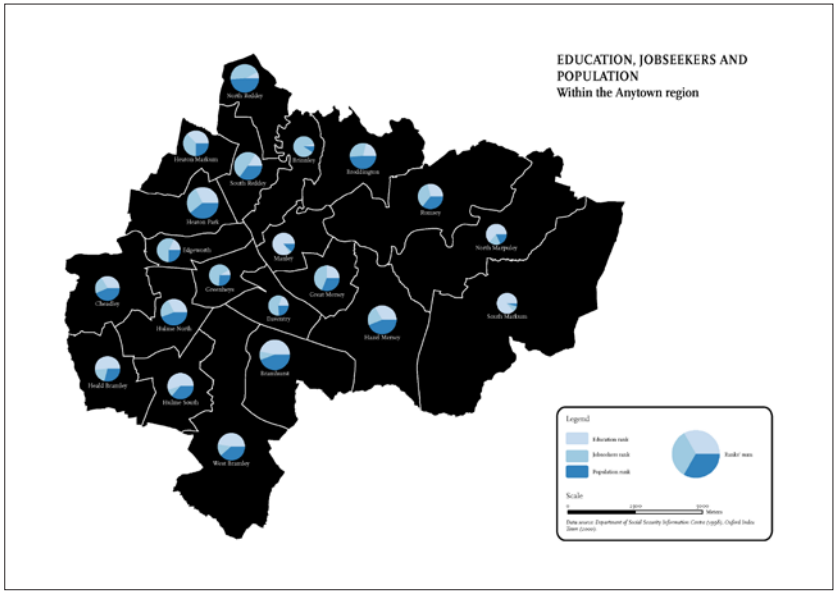


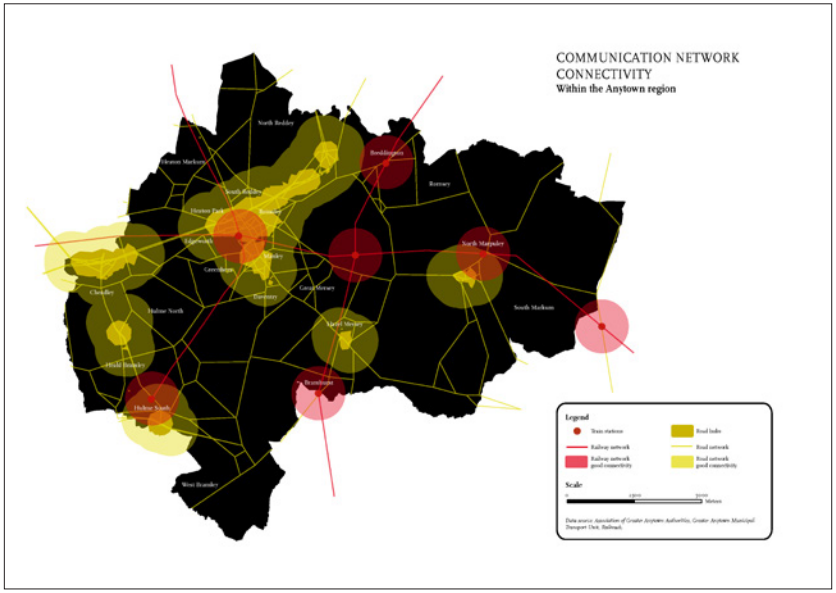
2012

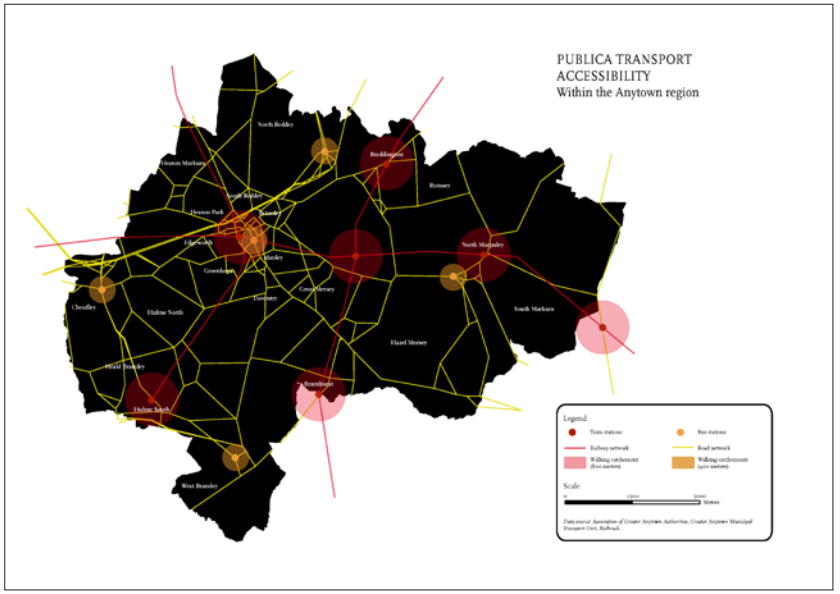
Spatial Decision Making with GIS — The ACME headquarters location case study

Assignment for the Certificate in GIScience
VU University Amsterdam, The Netherlands

The maps present the variables in a case study of the suitable location for the ACME headquarters. A multicriteria evaluation approach is employed to select the suitable location according to several factors, such as connectivity, accessibility, and population characteristics.





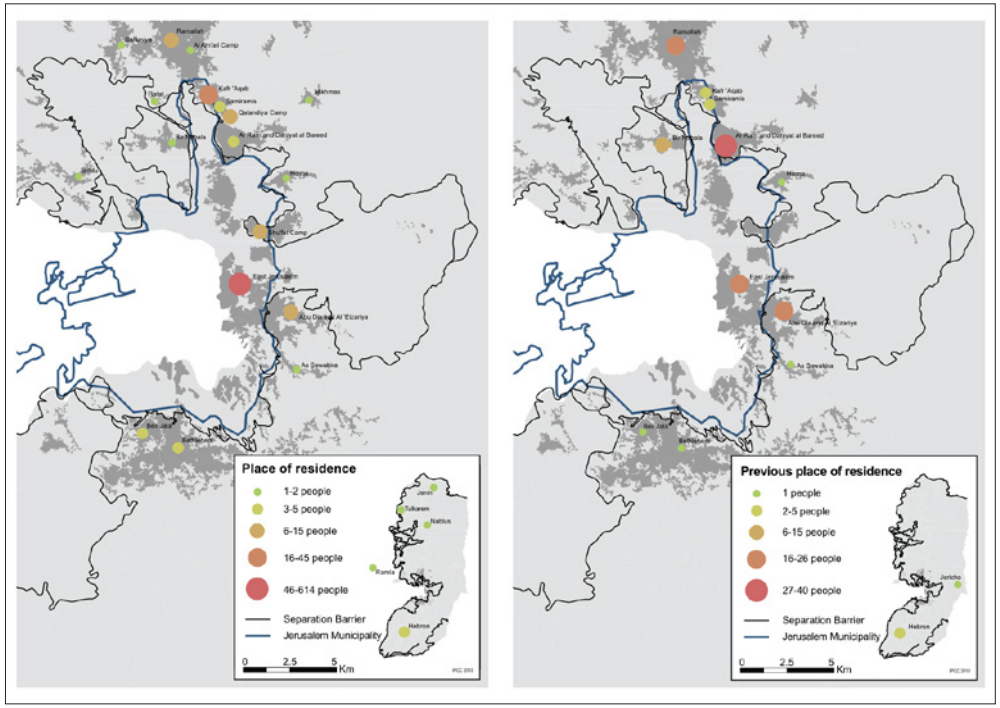


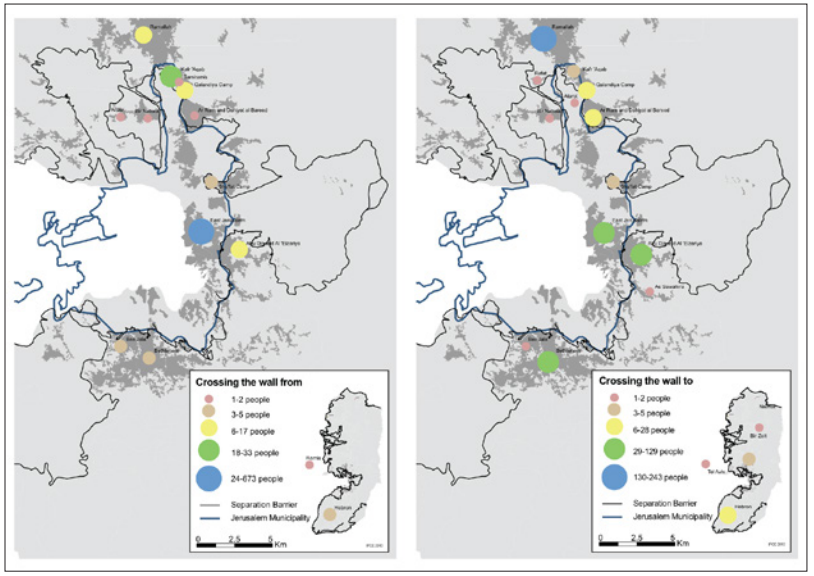
2010

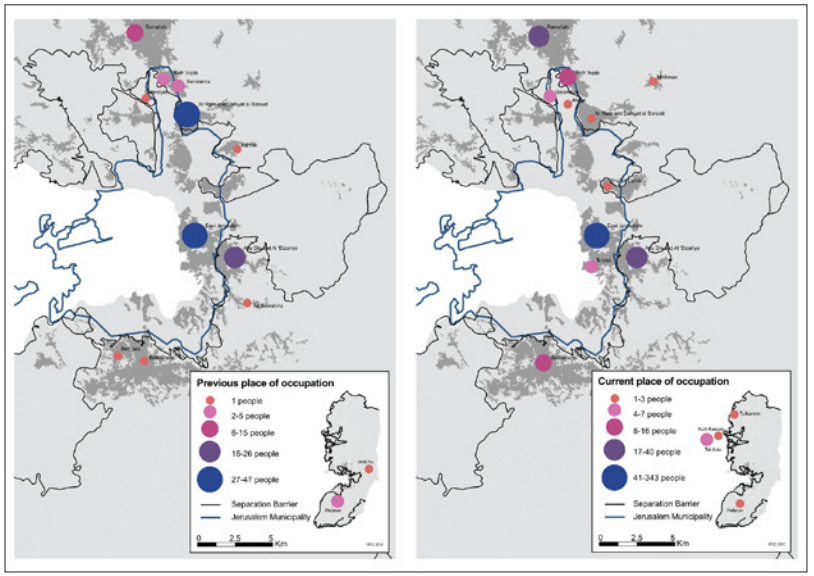
The Jerusalem Wall —
A survey on the impact of the
Separation Wall on Jerusalem

International Peace and Cooperation Center
Jerusalem, Israel/Palestine

The maps are part of a survey on the perception, experience, and impact of the separation wall among Jerusalemites. The report summarizes the primary psychological, social, economic, and political findings of a survey of the Palestinian population affected by the separation wall.





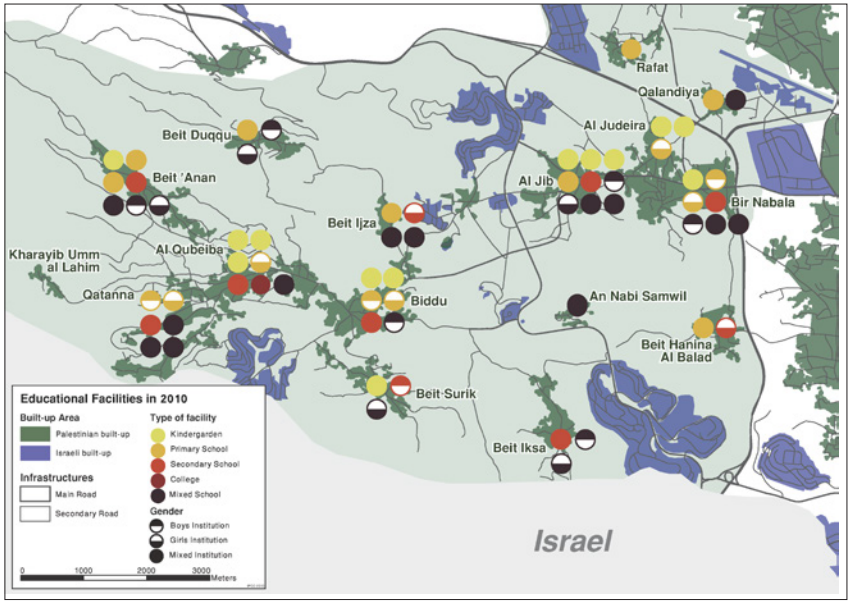


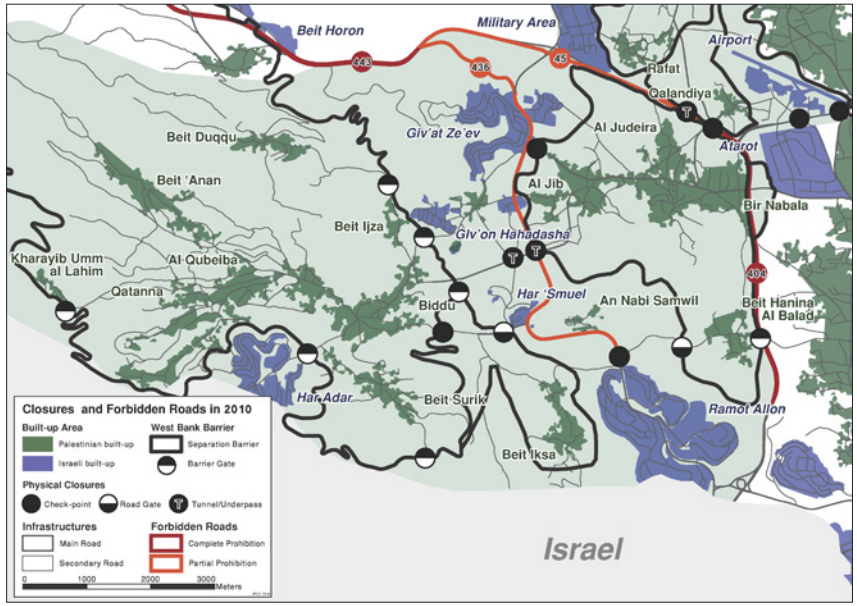
2010

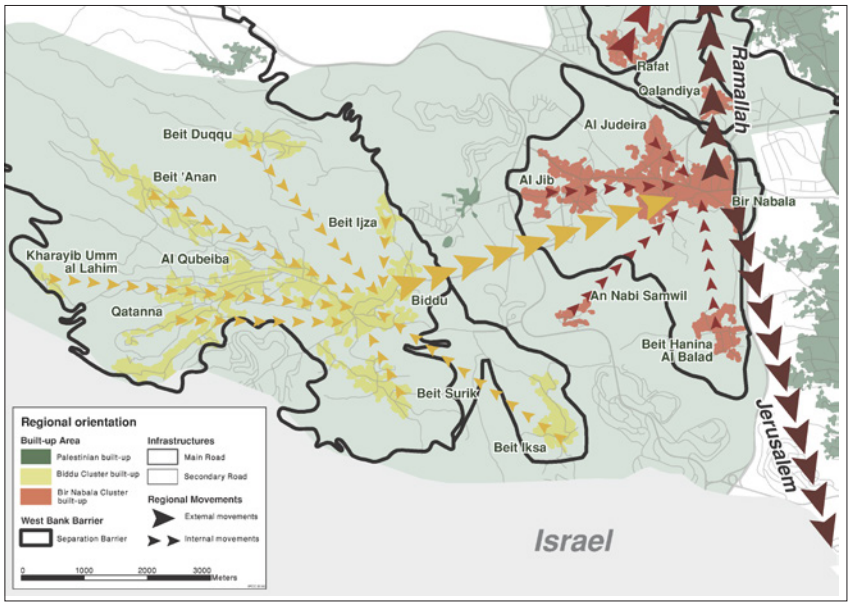
North-West Jerusalem Region Survey — Intermediate Report

International Peace and Cooperation Center
Jerusalem, Israel/Palestine

The maps are part of an intermediate report on the geographical situation and characteristics of the North-West Jerusalem region. The survey presents the demographic trends, economic perspectives, provision of facilities, and status of infrastructure. The impacts of the Israeli security policy are stressed.







2010

The ‘Ein Al Lose Neighborhood
IPCC Planning Report

International Peace and Cooperation Center
Jerusalem, Israel/Palestine

The maps are part of the IPCC ‘Ein Al Lose planning report. The survey provides detailed information on the characteristics of the buildings in the neighborhood. This is meant to promote a discussion wout the re-planning of the area.