

# The scientific value of the Wadden barometer

Frans J. Sijtsma

University of Groningen - WaLTER

# Main points

- Extremely valuable and sound analysis !
- Context: Increased Socio-Ecological System understanding as a basis for a competitive and smartly specialized rural/regional strategy

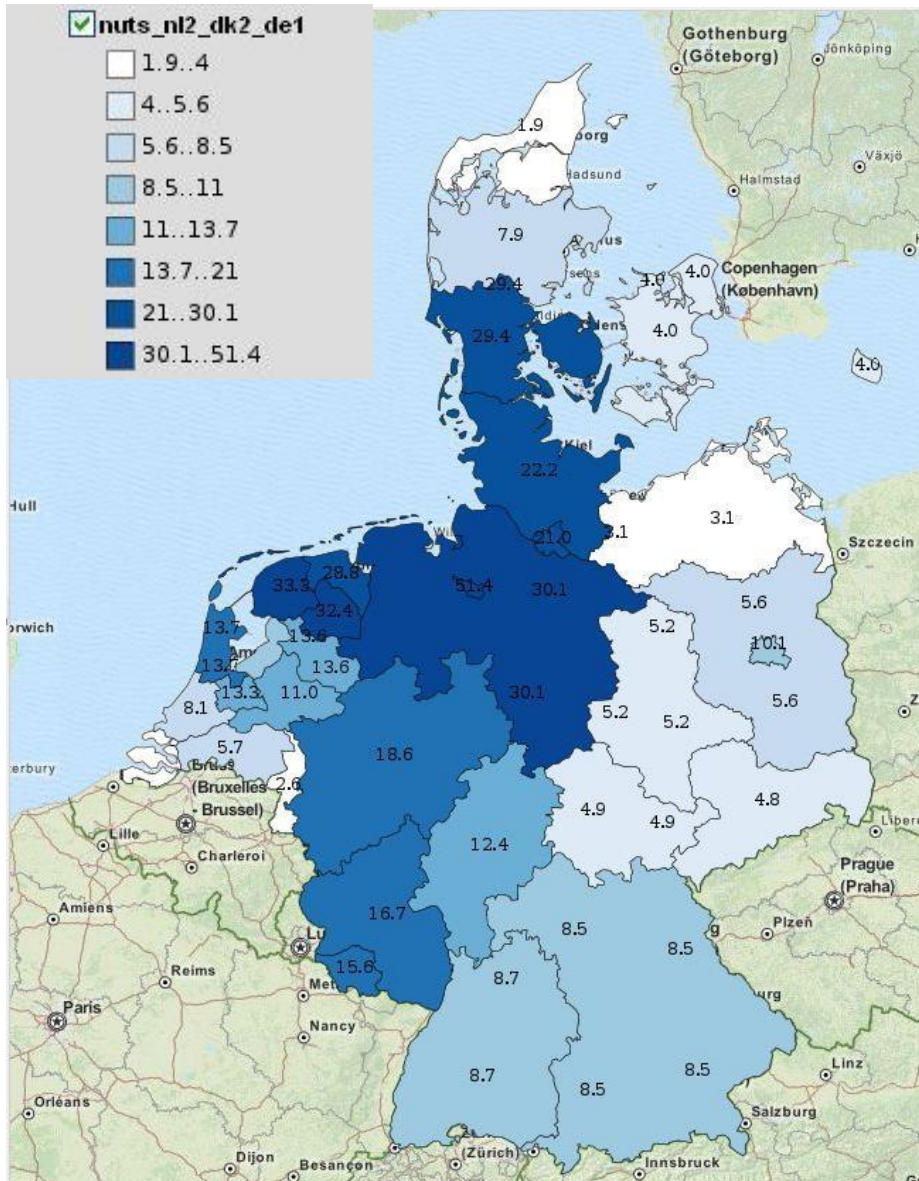


- Multi-scale analysis is essential  
(Daams and Sijtsma, 2013)
- Key performance indicators  
(Remember Keeney and Raiffa, 1976: Complete and minimal criteria set)

# Some suggestions for a minimal set of Key Performance Indicators – usable in multi-scale analysis and regional strategy

- **Number of Wadden fans / Depth of feelings of fans** (Sijtsma et al. 2014 / Davis, Daams, Sijtsma and Van Hinsberg (in revision) Performance for contribution to well-being in urbanized socio-economic system.
- **T-EQA / Natuurpunten** Performance in terms of an interdisciplinary easy to understand overall indicator for ecological performance/development
- **Regional employment** / competitiveness in global value chains
- **Net-migration** / mobilisation of social capital

# National Markers in the Wadden Sea Region



Percentages of Wadden Sea markers (national level) by Bundesland (D), Region (DK) and Province (NL).

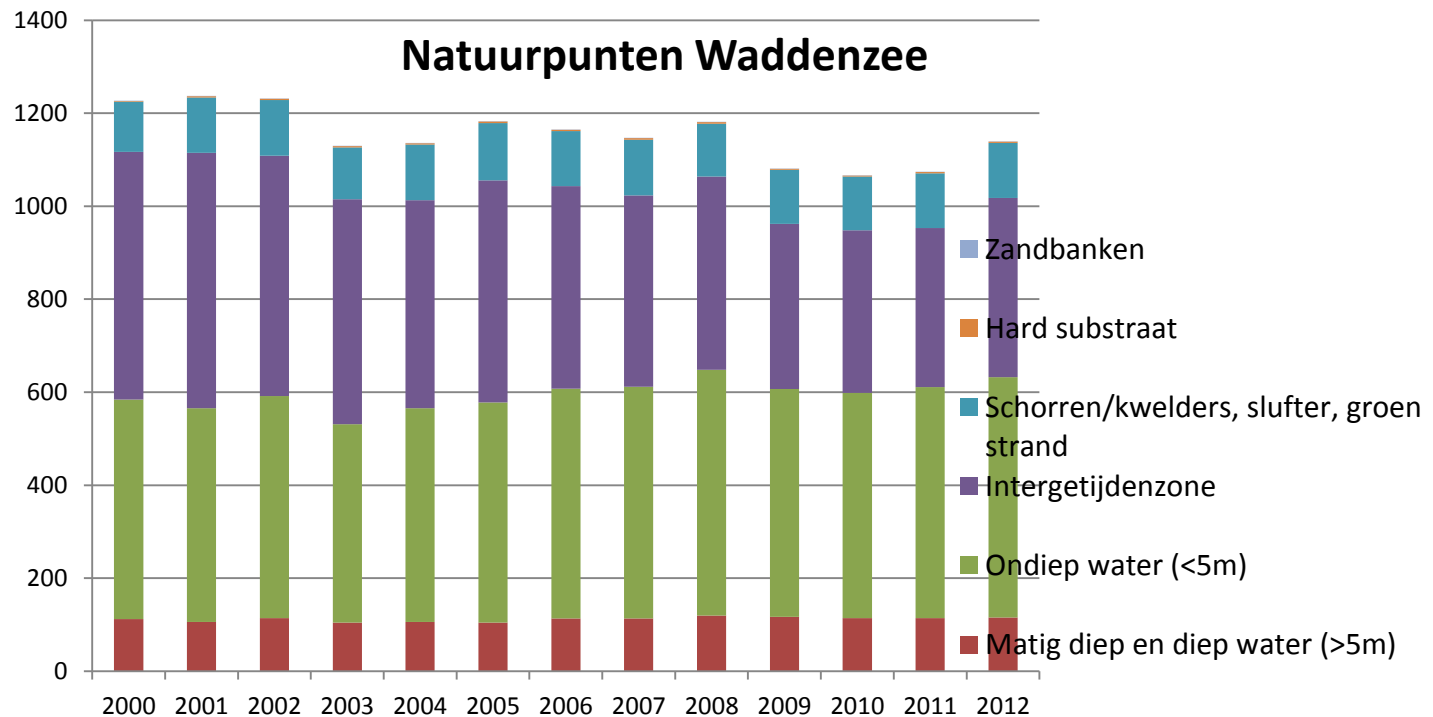
The highest number of Wadden area fans in Bremen.

14 million fans of international Wadden area

# T-EQA

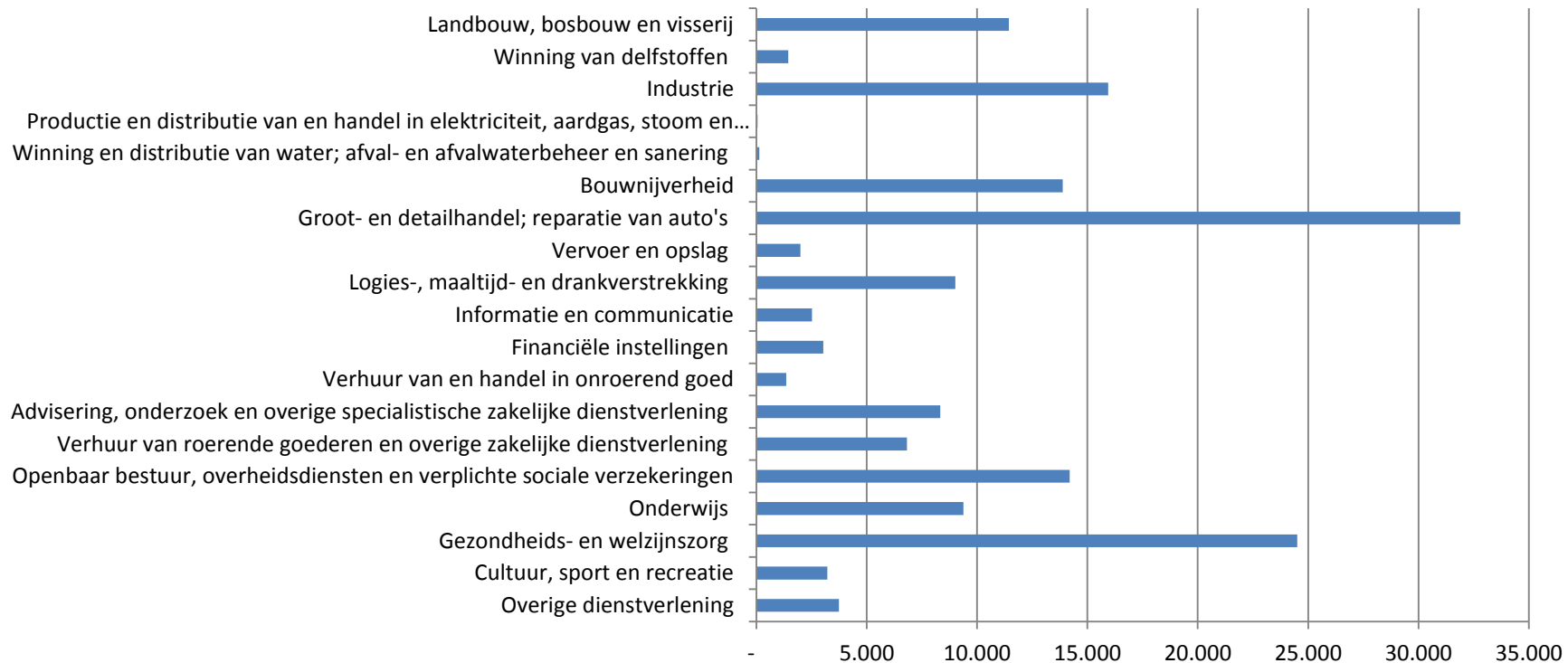
(Threat weighted Ecological Quality Area)

## Natuurpunten



# Sector composition

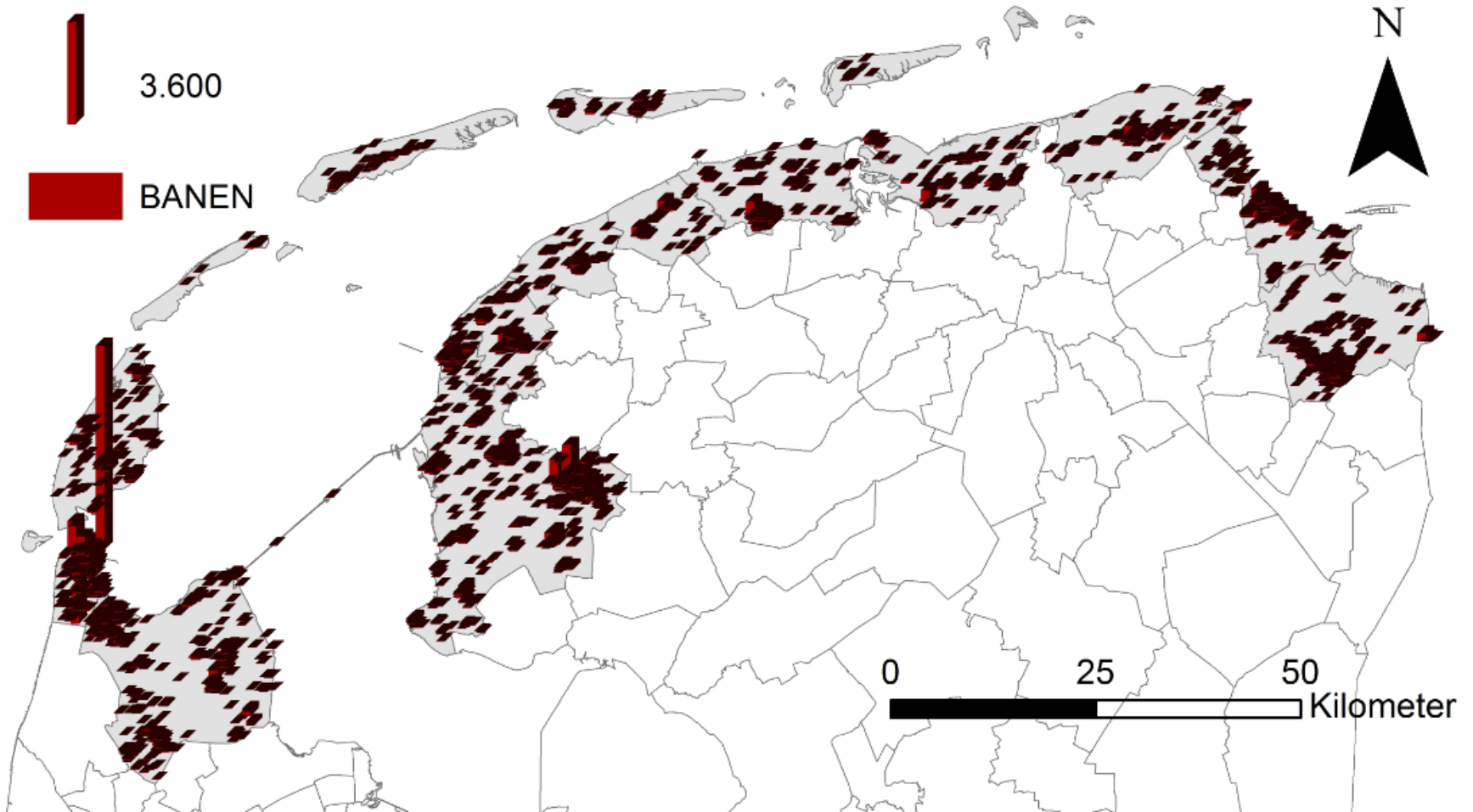
## Retail? Care?



# Total jobs

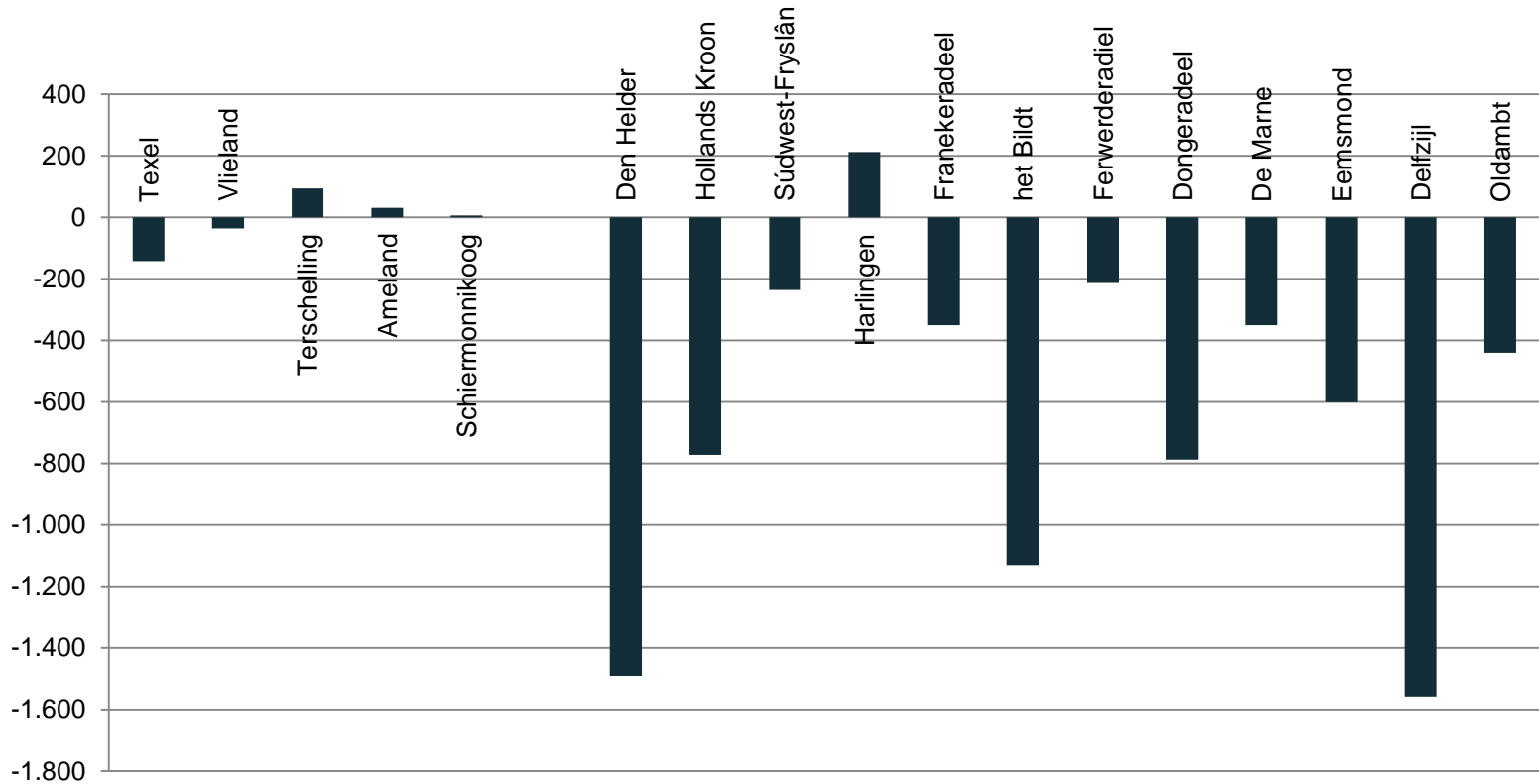
(position in Global Value Chains?)

LISA\_2011\_V2 selection alle banen (indien minimaal 5 banen in bedrijf)



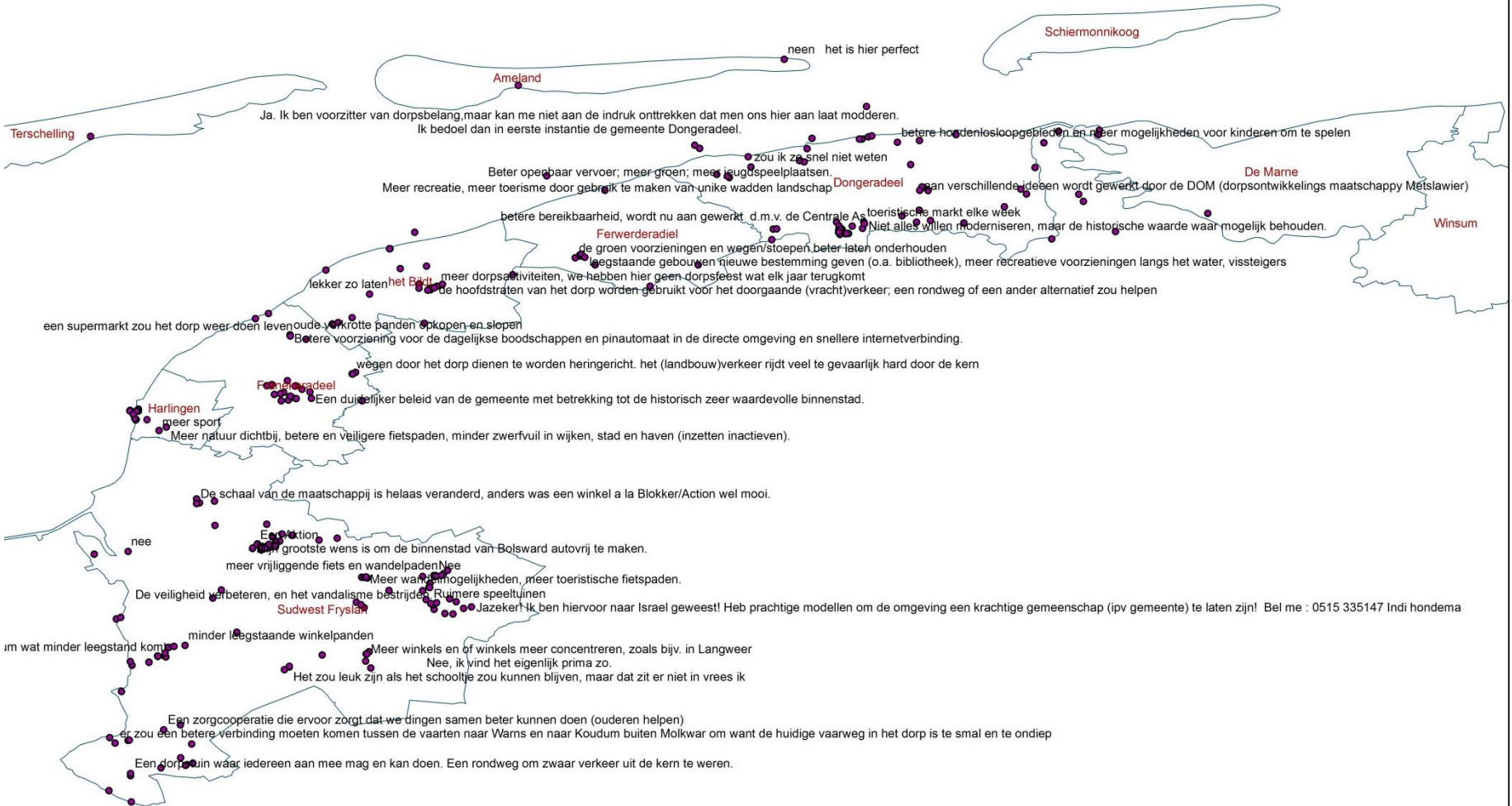
# Net-migration

## Migratiesaldo 2009-2013, per gemeente





# Liveability ideas



# T-EQA

(Threat weighted Ecological Quality Area)

## Natuurpunten

### Natuurkwaliteit Waddenzee

