

Mapping regional innovation ecosystems

 regional concentrations and value chains in agri-food sector

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Why is mapping important and how to proceed

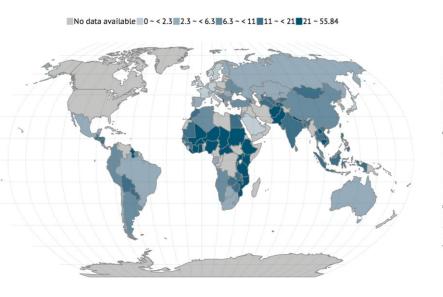
If agriculture and food production is important in your regional economy, it is worth to ask a few questions:

Issue	What to do	How
Is the dominance of this sector significant in comparison to others?	Verify regional concentrations nationally and internationally	Location quotients (LQ)
Is this sector growing or declining?	Check if the share in regional economy is growing	Shift-share analysis
Is the sector located only in part of your region?	Identify subregional concentrations	Subregional LQ
What exactly do you produce?	Analyse the structure of regional food production	Sub NACE codes, agricultural data on crops
Are you competitive internationally with what you produce?	Check production levels and share in the world markets	Use existing research or benchmark
How exactly does the production happen, where are strengths and weaknesses?	Check the regional value chain in wider context	Entrepreneurial discovery

Stage 1 – international concentrations

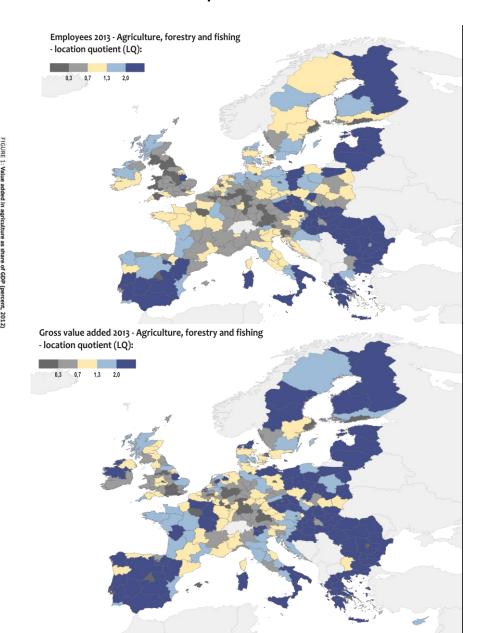
European concentrations



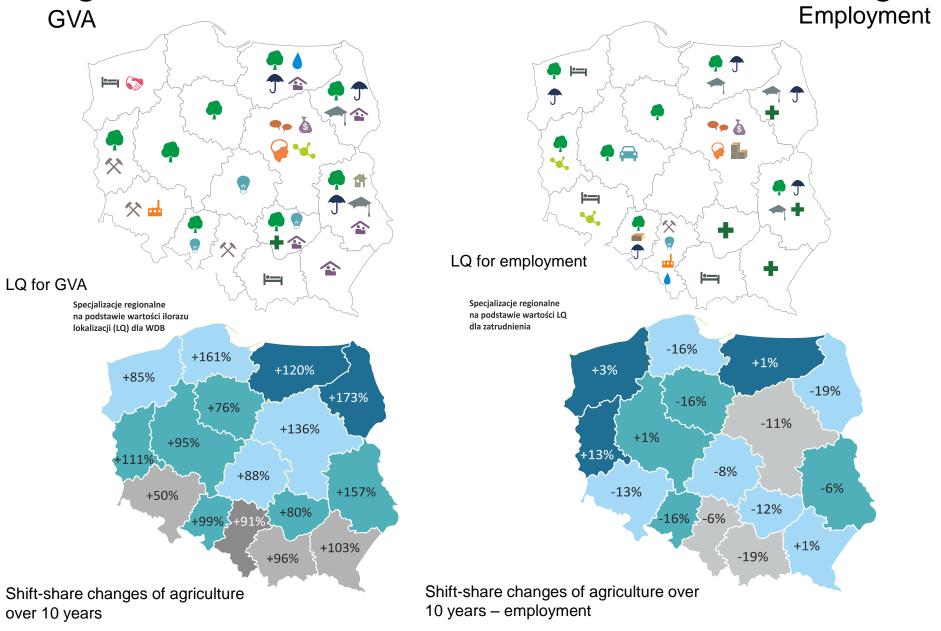


GDP share, source: FAO

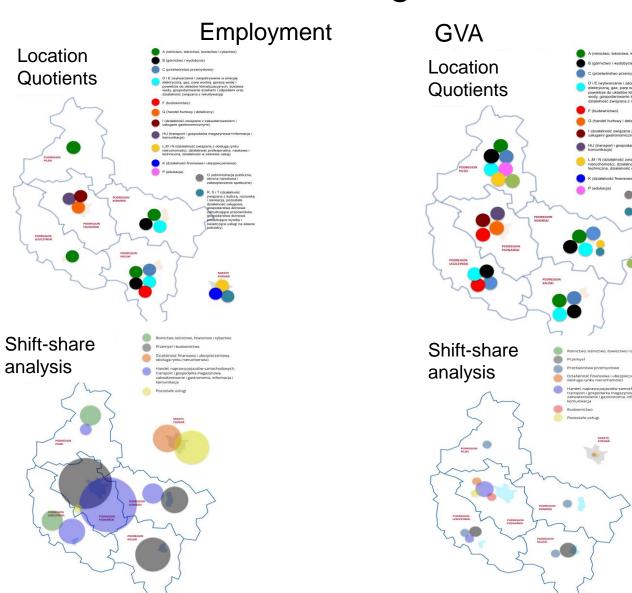
LQ for employment and GVA, source: CPP, M. Matusiak, W. Kisiała



Stage 2 – national concentrations and their changes



Stage 3 – subregional concentrations and their changes



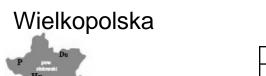
Source: M. Matusiak for Wielkopolska

region

Stage 4 – How competitive you really are?



Stage 5 – What do you actually produce?





Du – agricultural services

M - meat production and processing

O – fruit and vegetable processing

T – oil and fat production

MI - milk processing

z – grain and starch production

P – fodder production

A – Food processing

N – Drinks production

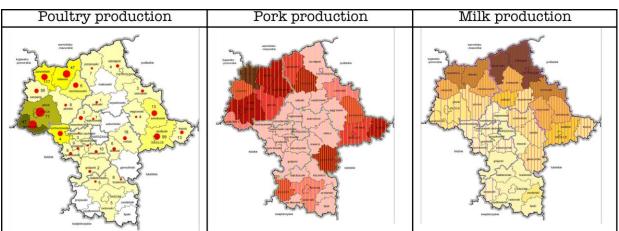
Hp – agricultural wholesale

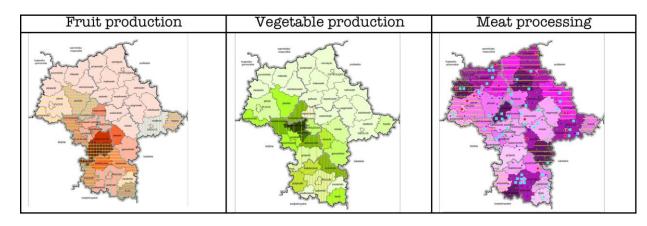
Hz - food products wholesale

Wm - renting of agricultural machinery

RM – production of agricultural machinery

Mazovia



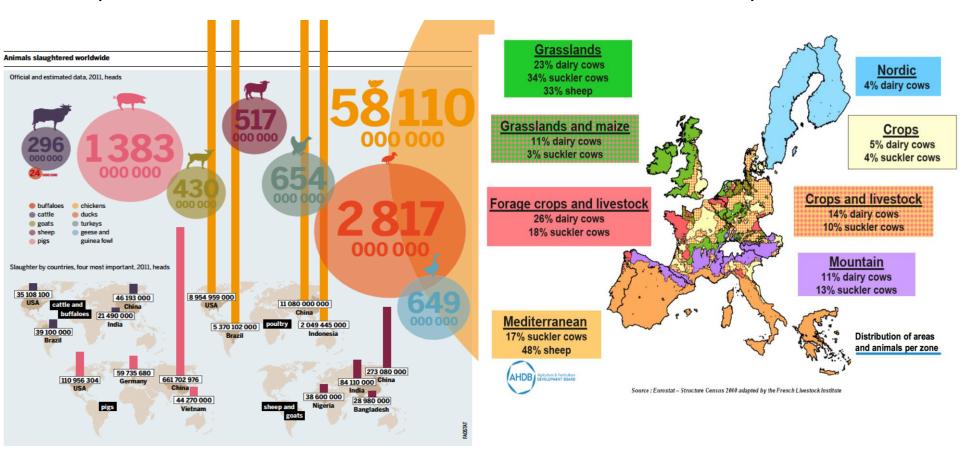


Source: Cluster analyses for Wielkopolska and Mazovia regions

Stage 6 – Does someone else produce it as well?

Beef production worldwide

Differentiation of production

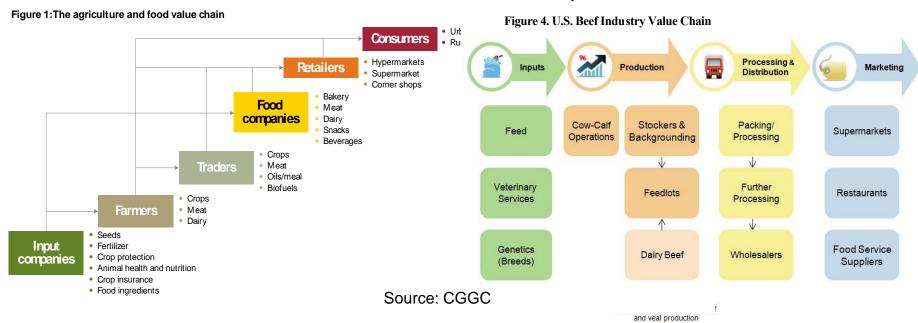


Source: arc2020.eu Source: AHDB

Stage 6 – Value chains

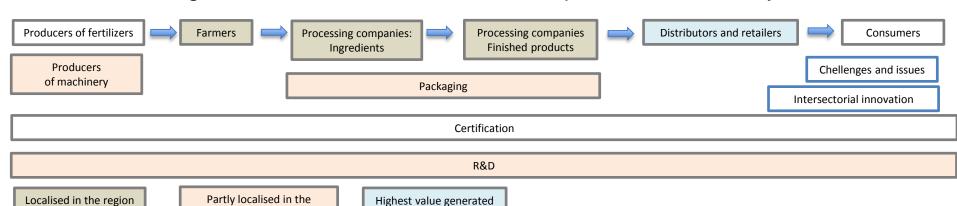
Generic value chains

Specific value chains



Source: KPMG

Regional value chains – effect of entrepreneurial discovery



region



Thank you

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