

Challenges related to the introduction of the EU Green Deal in Poland

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The structure of agriculture in Poland

- ca. 1.3 million farms (52%)
- ca. 0.6 million animal farms
- ca. 0.17 million dairy cows farms
- The agriculture in Poland's GDP in 2023 was around 3.3%.
- The food processing sector Poland's exports reached around 14% (EUR 46.7 billion)

Central Statistical Office, 2022/2024

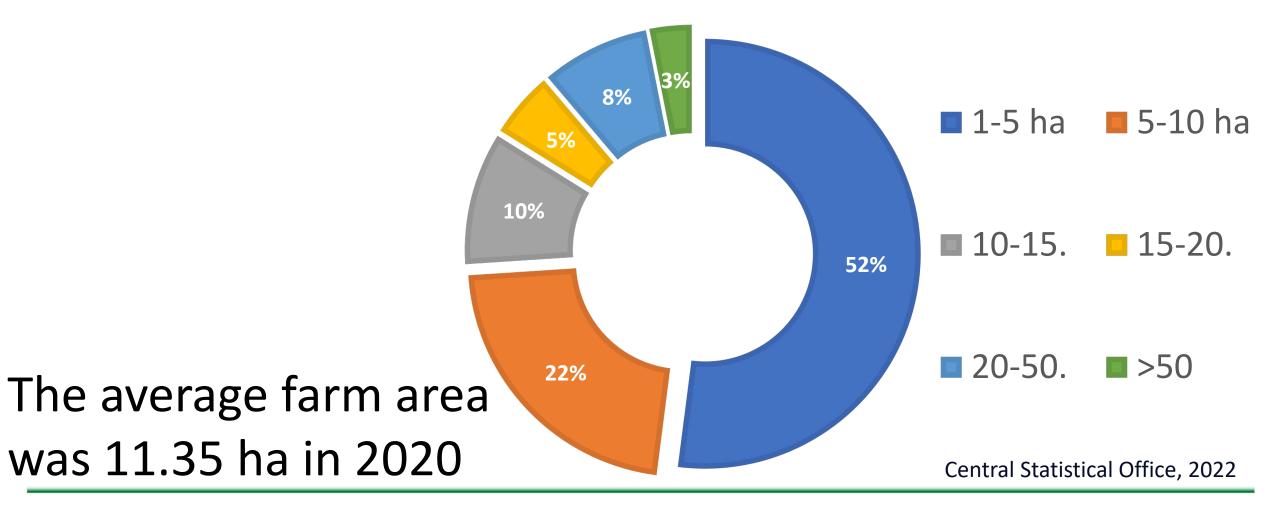








Farm area in Poland





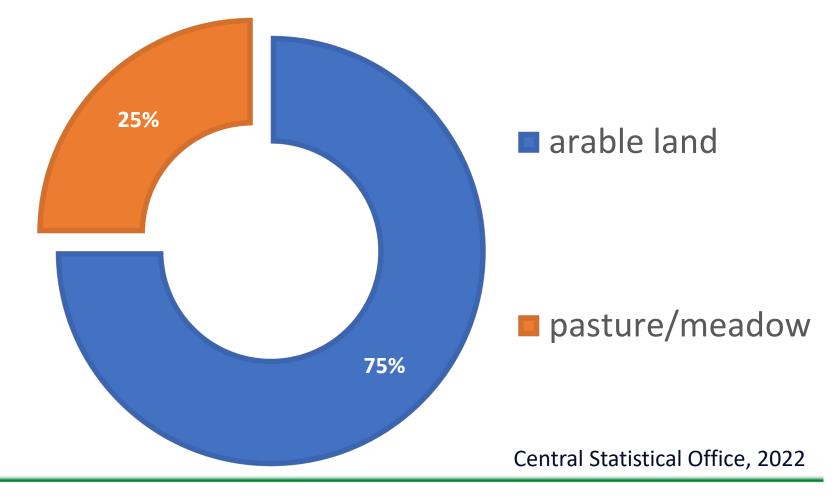






Agriculture land

15 milion ha



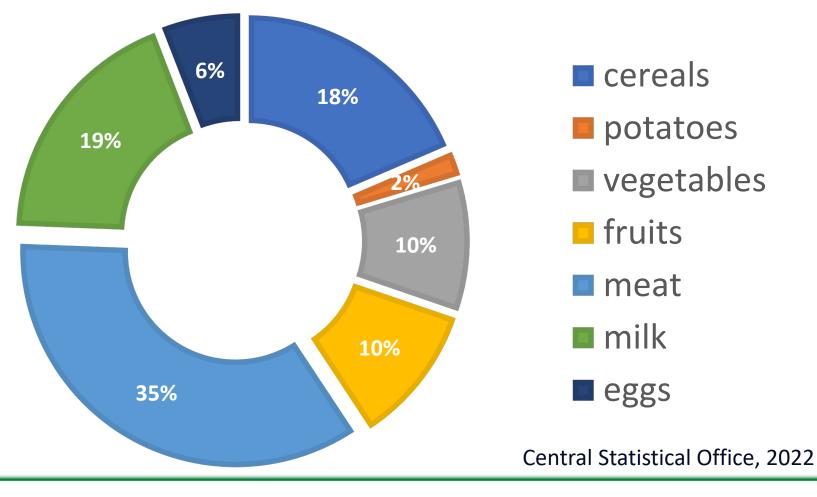








Agricultural production in Poland











Structure of herds and cows numbers in Poland

ca. 170 000 herds / 2 203 000 dairy cows

Dairy cows	Herds	Cows	
• < 10	64.1%	16.3%	
• 10 - 19	18.0%	22.3%	
• 20 - 49	15.1%	38.3%	
• 50 – 500	2.8%	23.1% Central Statistical Office, 202	2

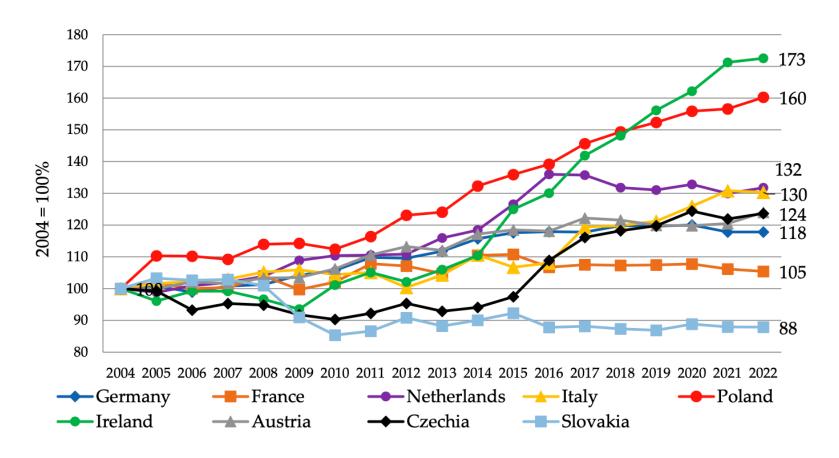








The dynamics of cow milk deliveries to dairies



Zietara at al., 2024

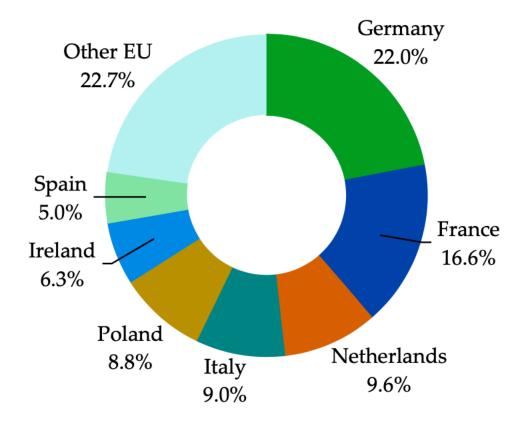








Structure of cows' milk deliveries to dairies in the EU in 2022



Zietara at al., 2024









Diversity of dairy farms in Poland





















Current trends

- change in the structure of dairy farms: closing of small dairy farms - no successors
 - farm robotization (milk production)
- investing in renewable energy sources increasing electricity prices
- introduction of new EU regulations











Surveys - characteristics of farms (52)

	MEAN	SD	<min.; max.=""></min.;>
Size (ha)	188	369	<5; 2000>
Arable farming (ha)	150	302	<4; 1500>
Grassland (ha)	40	64	<0; 350>
Permanent grassland (ha)	9	34	<0; 150>
Herd size	173	386	<20; 2500>
Dairy cows	95	167	<8; 1000>











Sustainable farming practices can create business opportunities

6

Farmers have the obligation to contribute to environmental protection as much as possible

2 I am willing to take environmental protection measures on my farm even if it is at the expense of revenues

Climate change impacts are already noticeable

Legend:

1 - Strongly agree

2 – Agree

3 – Unsure

4 – Disagree

5 - Strongly disagree



4 An individual farmer is unable to single-handedly reduce greenhouse gas emissions.







3,11



1,98

Surveys - conclusions (2022)

- 1. A higher level of awareness characterises Polish farmers regarding GHG and ammonia emissions than we assumed.
- 2. Farmers are unable to use this knowledge to counteract the negative effects of agricultural production on the environment.
- 3. Implementation of new climate protection and biodiversity strategies is easier on larger farms.
- 4. Better implementing the current farmer's knowledge requires financial support and educational programs.

Present challenges

- The largest protests in current years;
- The impetus was to import grains from Ukraine (lack of quality control);
- Setting arable land aside and improving animal welfare - the most doubts - increase in production costs;
- The question being raised is whether European society can afford the Green Deal;
- Emission calculator for dairy farms still in development;







Thank you for your attention!



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For more information: www.CCCfarming.eu







