

PUBLIC ADVISORY SERVICES TAILORED TO FIT FOR THE FUTURE

Basic information

Wielkopolska is the second biggest region in Poland after Mazovia. Area of the region is about 30 ths sqm.

- The number of inhabitants in Wielkopolska – about 3,4 million
- The capital of the region is Poznań – about 530 ths inhabitants



Poznań is one of the most important academic and scientific centres in the country.

There are 112,000 students at 25 universities, including 4,000 foreigners from over 80 countries, most from Ukraine, Spain, Turkey and Belarus.

We notice increasing specialisation of farms, a progressive concentration of agricultural production and a reduction in the number of farms.

| Year 2022 | Poland | Wielkopolska |
|-------------------|-------------------|---------------|
| Number of farms | about 1,3 million | about 116 ths |
| Average farm size | 11,32 ha | 14,4 ha |

Despite poor climatic conditions for agriculture and soil conditions, our farmers are achieving very good production results. Wielkopolska agriculture is a great diversity. In addition to the cultivation of cereals, root crops, there are regions where dominated by the production of pigs, elsewhere by cattle, other places are again basins of vegetable production. Greater Poland's farmers are among the leading producers of grain, sugar beets and rapeseed, and leading producers of pork, poultry, beef and milk.

Modernity, high agricultural culture, but also economic calculation are features associated with Wielkopolska agriculture. This year's moisture conditions were not favorable for crop emergence. The threat of drought is present throughout Wielkopolska, while 85% of the cultivated area is already affected by the drought disaster. The lack of precipitation is visible primarily in spring cereal crops, where the decrease in yields can reach up to 50% compared to previous years. Winter cereals are also affected by the drought - in this case, the projected decrease in yields will be about 30- 40% .



A key activity is the implementation of innovative solutions in agriculture and agri-food processing through support instruments for the high-quality food sector. Undertaken investments are being made in utilizing the full production potential of the Polish agri-food sector through, among other things, further modernization of farms, development of cooperation between food producers, strengthening links between farms and processing plants, restructuring of small farms, development of local agri-food markets, strengthening advisory networks for farmers and entrepreneurs, supporting Institutions Business Environment in rural areas and small towns. A number of activities focus on promoting agri-food sector products and supporting foreign expansion in this area, including by ensuring a equal opportunities in the single market.

Advisory and Decision Support Online Platform in Integrated Plant Protection



The originator of the platform is the Wielkopolska Agricultural Advisory Center in Poznań (WODR). Work on the platform lasted from June 2019 and involved 19 partners from all over Poland.

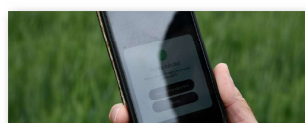
The total value of the project was 20,9 mln PLN (4,6 mln EUR) which 17,6 mln PLN (3,9 mln EUR) came from European funds, while the rest was from the state budget.

The main strategic goal of the project was to create a national IT system for plants protection including 4 public e-services:

- Virtual farm
- Tracing the origin of agriculture products
- Threat reporting
- Meteorological data

eDWIN platform is a hub for other projects. We work on:

- Using drones in advisory (SmartAgriHubs)
- Fertilisation (SmartAgriHubs)
- Farm benchmarking (Demeter)
- Cooperation between beekeepers and farmers (Demeter)
- Market data collection (Fairshare)
- Agri-data governance and sharing (Datamite)



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SOURCES:

www.wodr.pl
www.dnipola2023.pl
„Realizacja Celów Zrównoważonego Rozwoju Raport 2018”

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The WODR training base is located in Sielinko.

In Sielinko visitors can see the use of modern tools in the field in practice. The zone of WODR demonstration plots located in Sielinko and covers over 18 hectares of area, comparison of different cultivation systems and presentation of examples of perennial flower belts.

Sielinko is an excellent place to transfer knowledge to farmers. Here they can take part in theoretical and practical training courses, learn about the most up-to-date farming methods, and take advantage of the services of experienced agricultural advisors in many disciplines. The knowledge gained helps agricultural producers meet the demands that are placed on them by increasingly aware consumers of their products.



The CDR prepares and implements a standardised approach for regional agricultural advisory centres.



Public agriculture advisory in Poland since 2016 runs directly under the Ministry of Agriculture and Rural Development.

IV NATIONAL FIELD DAYS IN SIELINKO 2023

The main theme of the 4th National Field Days in Sielinko was "Innovative Agriculture." An Innovation Zone was specially prepared for visitors, where they could see in practice what modern agriculture looks like. Visitors were able to learn about modern technologies, talk to experts, but most importantly, get inspiration to introduce these latest technologies to their own farms.

During the Field Days, there was an opportunity to talk to experts, and above all, you could learn and also be inspired by how you can use the latest technologies on your farm.



During the event, visitors could also witness demonstrations of the most modern tools used in agriculture. Examples of the use of robots and drones were demonstrated, as well as the eDWIN application, which supports farmers in farm management. Presentations also covered the topic of precision agriculture and artificial intelligence. At the 4th National Field Days, the future Center for Testing Artificial Intelligence in Agriculture was opened.

Test and Experiment Facilities for the Agri-Food Domain



Mission: To foster sustainable and efficient food production AgrifoodTEF empowers innovators with validation tools needed to bridge the gap between their brightest ideas and successful market products.

Built as a network of physical and digital facilities across Europe, the project provides services that help assess and validate third party AI and Robotics solutions in real-world conditions aiming to maximise impact from digitalisation of the agricultural sector.



What's there for advisors?

The Artificial Intelligence will support farmers and advisors, make them work efficient and comfortable. WODR as advisory center implement new technologies for advisors and farmers. The main role at now is to be a connector between science and practice. We must help farmers to understand new ones and adapt to a changing world.



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