

CZECH ACADEMY OF AGRICULTURAL SCIENCES AND CAP 2020+

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Czech Academy
of Agricultural
Sciences

Czech Republic

Czech Academy of Agricultural Sciences (CAAS)



- is a specialized and professional scientific agricultural institution financed mainly by membership fees and by governmental contribution
- is a scientific advisory body to the Minister of Agriculture of the Czech Republic
- is a publisher of 11 international scientific agricultural journals, all of them is in SCOPUS and 9 has impact factor (IF)
- supporting scientific and scholar work, popularization and use of scientific knowledge in practice
- consisting of 11 departments representing individual scientific fields

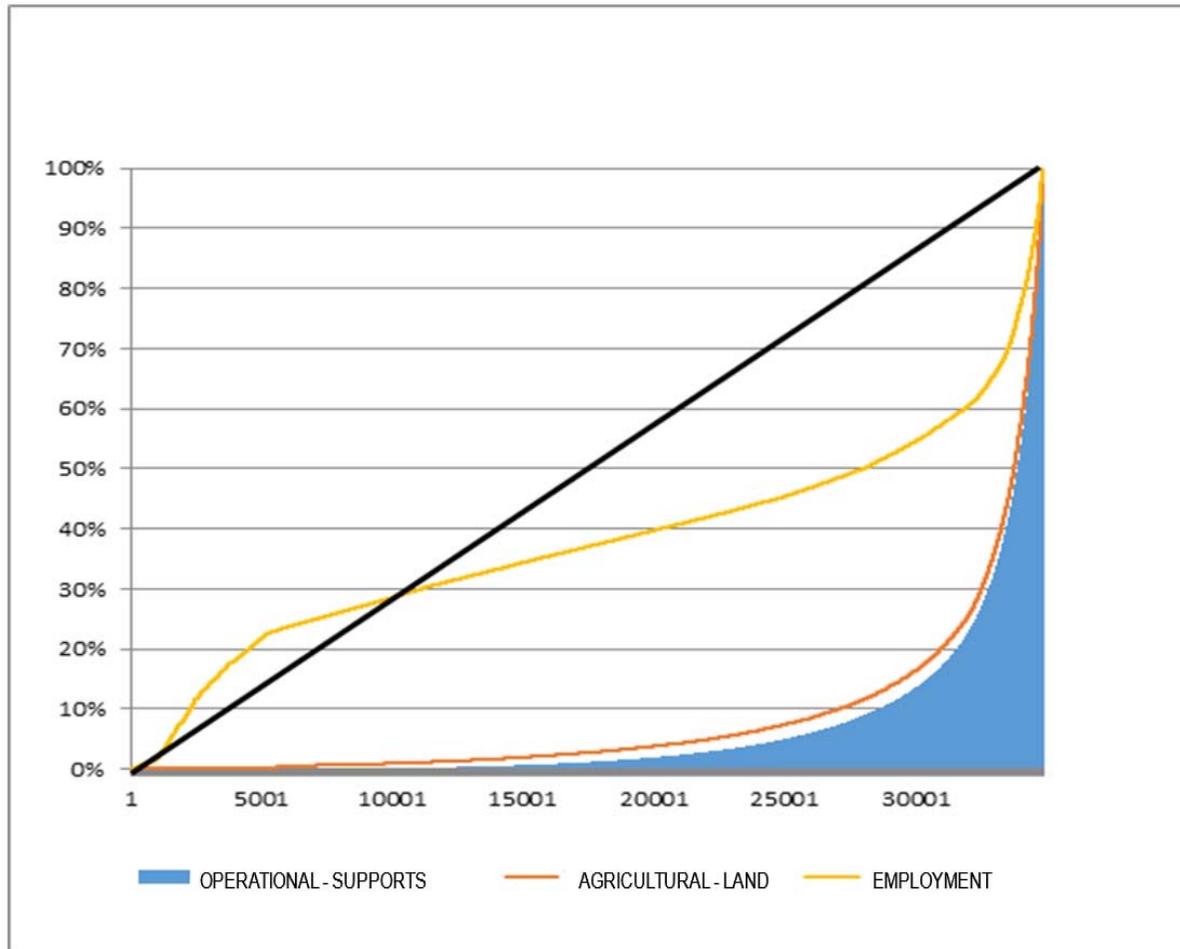
=> **MAIN CAAS MISSION** : to improve scientific level and to support systematic development of research activities and education in the Czech Agrarian Sector and to effectively disseminate and popularize scientific knowledge to public.

The most important problems in Czech Agrarian Sector related to the CAP 2020+



- Farm structure – extreme dual structure based on large farms and large fields (land blocks)
- Agriculture and environment – soil quality, water retention capacity, water quality, biodiversity
- Farm systems under climatic change – drought changing regional conditions, risk management under price and weather volatility
- Lower productivity and competitiveness on farm and particularly on food industry level
- Orientation on commodities with a lower demand on quantity and quality of labour (cereals, rape seeds x livestock, fruits, vegetables etc.)

Extreme dual structure of Czech farms – cumulative %



Brussels, September 28, 2017

CZ: 3,5 mil. ha UAA, 100 000 AWU

20 % of farms = almost 90 % of supports

Farm structure and main farm categories:

- Family farms (30 % UAA)
- Cooperatives and companies (60 % UAA)
- Mega-farms (even with more than 100 000 ha – 10 % UAA)

Large share of rented land and paid labour on farms

Soil quality and water regime have been deteriorating for a long time + climatic change

Water retention capacity of soil about 50 % of its potential.

Water erosion 60 % of UAA (of which 12 % completely damaged). Wind erosion 14 % of UAA.

Soil compression by heavy machinery 45 % of UAA.

Lack of organic matters in soil.

Climate change = much higher risks of droughts or floods.

**Position of the
Czech
government
and Agrarian
Chamber
towards
possible CAP
2020+ and other
conditions**



MAIN POINTS

- Strictly against capping for large farms or against any similar measures above present conditions
- Equal conditions in national/regional supports
- Maintain or even increase the share of Voluntary Coupled Payments (up to 30 %), particularly to cattle breeding and crop commodities more labour demanding
- European rules for retail chains

Possible main research and advisory activities under the CAAS towards CAP 2020+ conditions (1)



To have in mind first

There are more research results, innovations and knowledge already available to solve main problems of Czech agriculture, but barriers and problems are linked mainly with:

1. their implementation through extension services (AKIS)
2. political acceptance/will to apply them
3. willingness to apply them on farms
4. sufficient public and private sources to realise changes

What „remains to do“ under the CAAS, Czech research and concept of bioeconomy?

Possible main research and advisory activities under the CAAS towards CAP 2020+ conditions (2)



- To support the development of an effective AKIS and educational systems.
- To prepare and analyse possible „optimal“ options for reduction of supports for large farms, if need be, including options based on transitional „soft landing“.
- To analyse possible options related to VCS, especially with respect to cattle breeding
- To participate on the development of a system of financial investment instruments to minimize „moral hazards“ and deadweight losses of supports

Possible main research and advisory activities under the CAAS towards CAP 2020+ conditions (3)



- To participate on environmentally, economically and technologically optimal/viable solution for a complex „greening“ of the CAP: allocation of measures to three layers with a higher stress on regulatory measures?
- To participate on the development of a holistic risk management system in all three levels, with a stress on adaptation of farms on climate change effects (especially drought):
 - changes in farm systems
 - new varieties
 - new machinery and technologies – precise farming
 - improved water regimes

Contacts



Thank you for your attention.

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