

# Dairy cattle breeding and production in small farms in Serbia

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***V. Bogdanovic\*<sup>1</sup>, R. Djedovic<sup>1</sup>, P. Perisic<sup>1</sup> & M.M. Petrovic<sup>2</sup>***

*<sup>1</sup> Institute of Animal Sciences, Faculty of Agriculture, University of Belgrade, Serbia*

*<sup>2</sup> Institute of Animal Husbandry, Zemun, Serbia*

# Content:

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- **Introduction – general data about Serbia**
- **Cattle breeding and production in Serbia**
- **Dairy production recording, breeding goals & cattle show**
- **Influence of dairy plants on the improvement of production at small farms**
- **Case study**

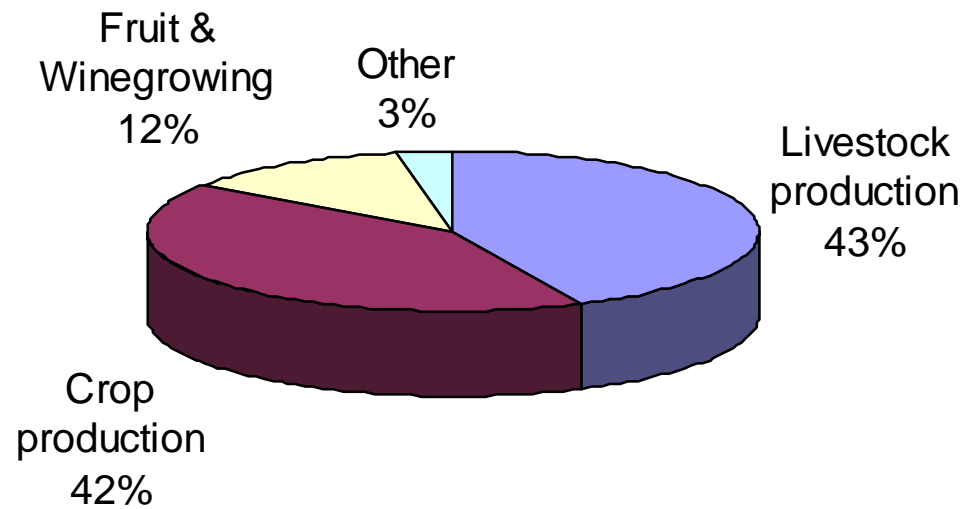
# Introduction

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- **Total surface: 8,800,000 ha**
  - **Agricultural land: 5,100,000 ha**
    - **Arable land: 4,250,000 ha**
  
- **Rural area: 44% of total population, of which 33% are involved in agriculture production**

# Introduction (cont.)

Share of agricultural production in Serbia



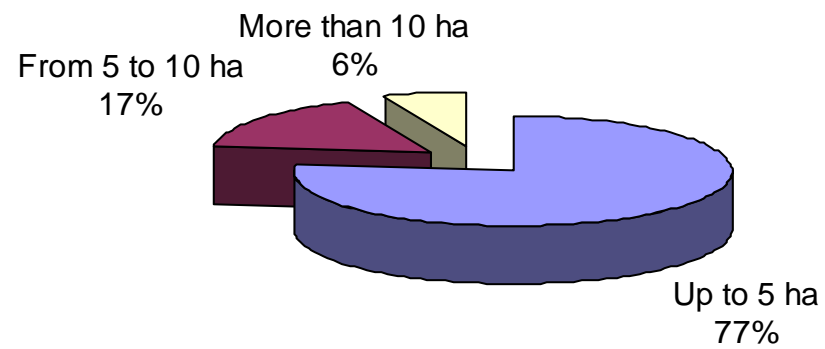
# Introduction (cont.)

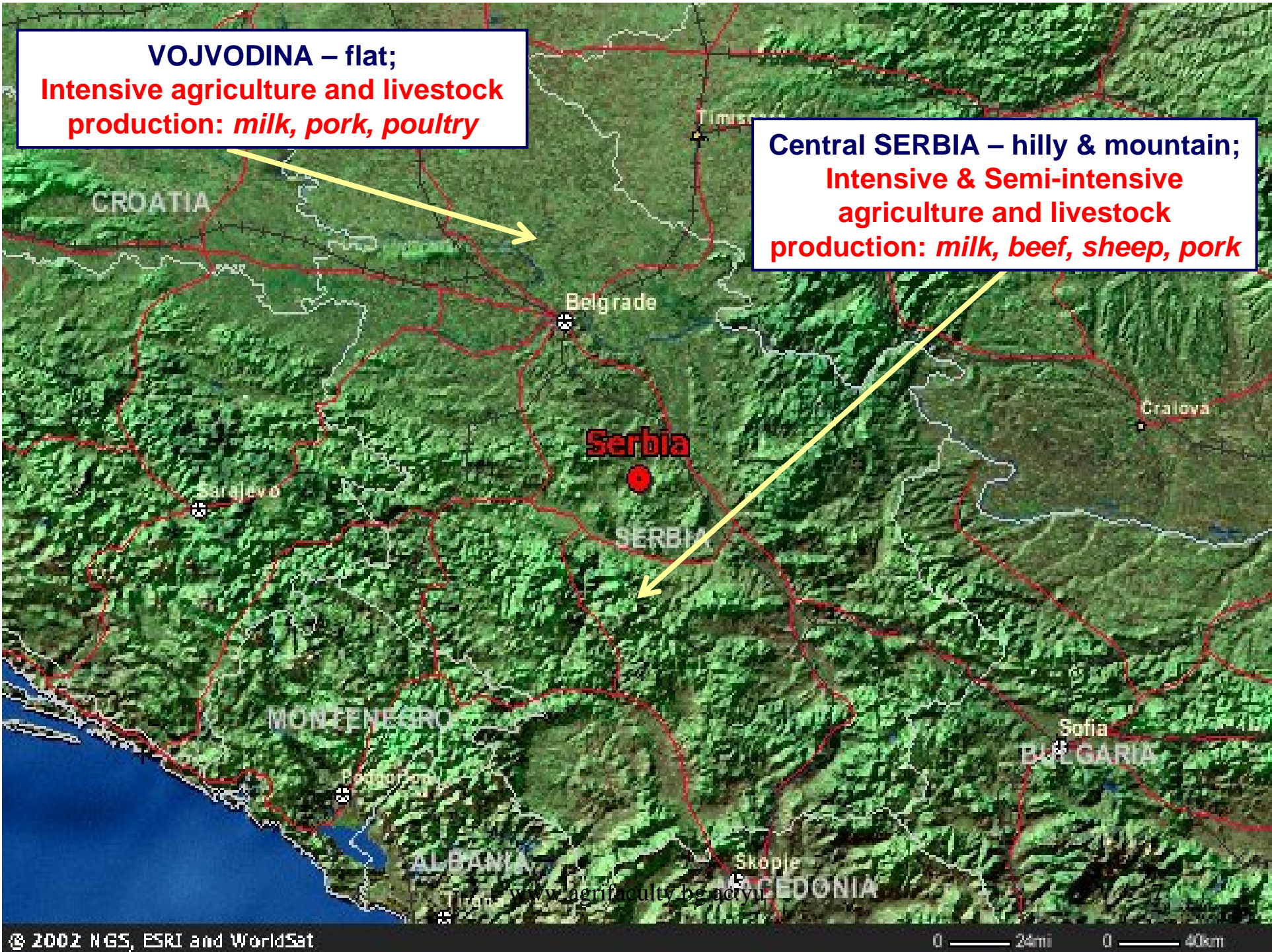
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- **Livestock production**
  - **Cattle production: 45%**
  - **Other productions: 55%**
- **The main general problems:**
  - **Small size of farms, and**
  - **Small number of animals per farms.**

# Introduction (cont.)

Distribution of farm size in Serbia





# Cattle breeding & production in Serbia

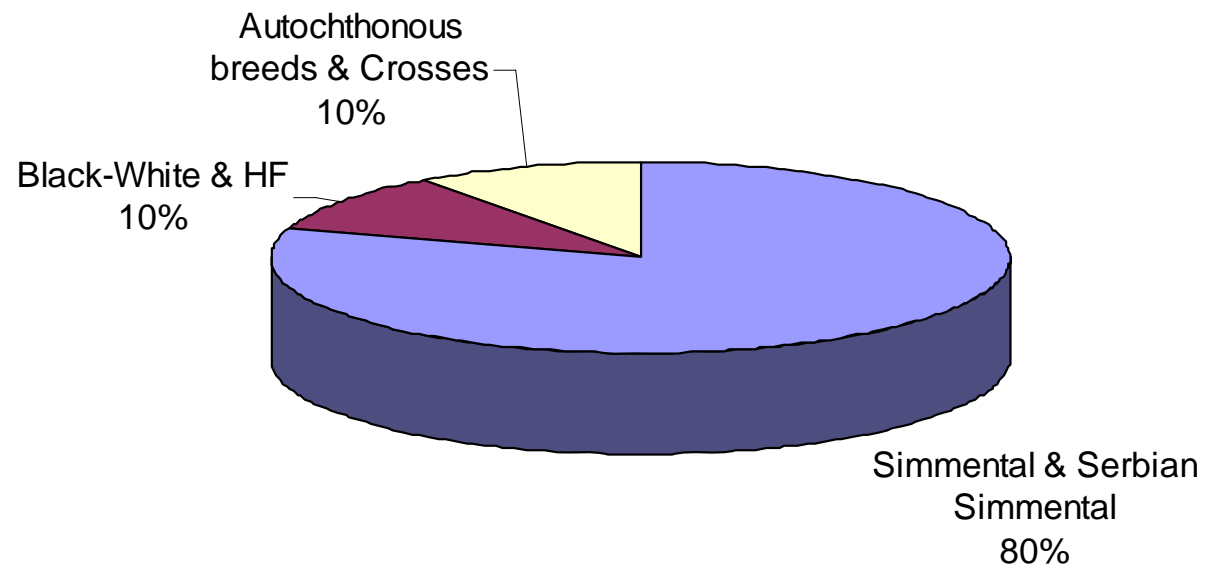
## CATTLE BREEDS IN SERBIA:

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1. **Simmental,**
2. **Black-White & HF,**
3. **Autochthonous cattle breeds:**
  - a. **Podolian,**
  - b. **Busa**
4. **Beef breeds & Various crosses**

# Cattle breeding & production (cont.)

Cattle breeds distribution in Serbia



## Cattle breeding & production (cont.)

YEAR	NUMBER OF CATTLE IN SERBIA (000)		Milk production (000 000 lit.)
	Total number of cattle	Cows & pregnant heifers	
1975	2,649	1,370	1,516
1980	2,367	1,284	1,716
1985	2,250	1,242	1,847
1990	1,979	1,145	1,759
1995	1,776	1,082	1,758
2000	1,272	843	1,566
2001	1,186	812	1,576
2002	1,177	801	1,580
2003	1,162	790	1,576
1975/2003	43,87%	57,66%	103,95%
1990/2003	58,72%	68,99%	89,60%

# Dairy production recording, breeding goals & cattle show

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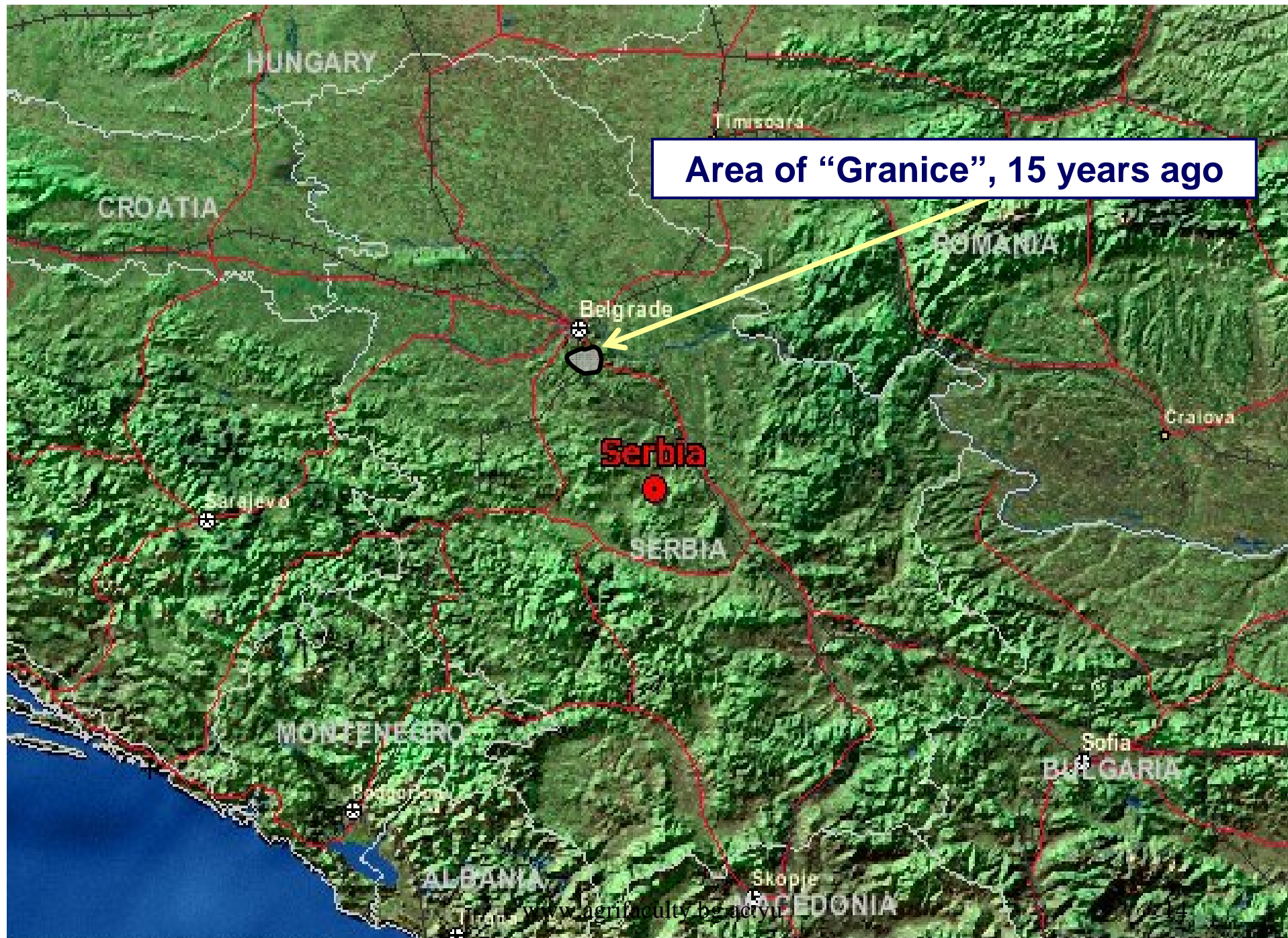
- **Ministry of Agriculture**
- **ICAR**
- **Breeding goals:**
  - Simmental**
  - HF & Black/White**
- **Cattle show**

# **Influence of dairy plants on the improvement of production at small farms**

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- **More than 200 dairy plants in Serbia**
  - **Daily capacity: from several hundreds to hundreds of thousand**

# **Case study – Dairy plant „Granice”, Mladenovac, Serbia**

- **Founded 15 years ago as home dairy workshop**
- **Small farms with 1-2 cows**

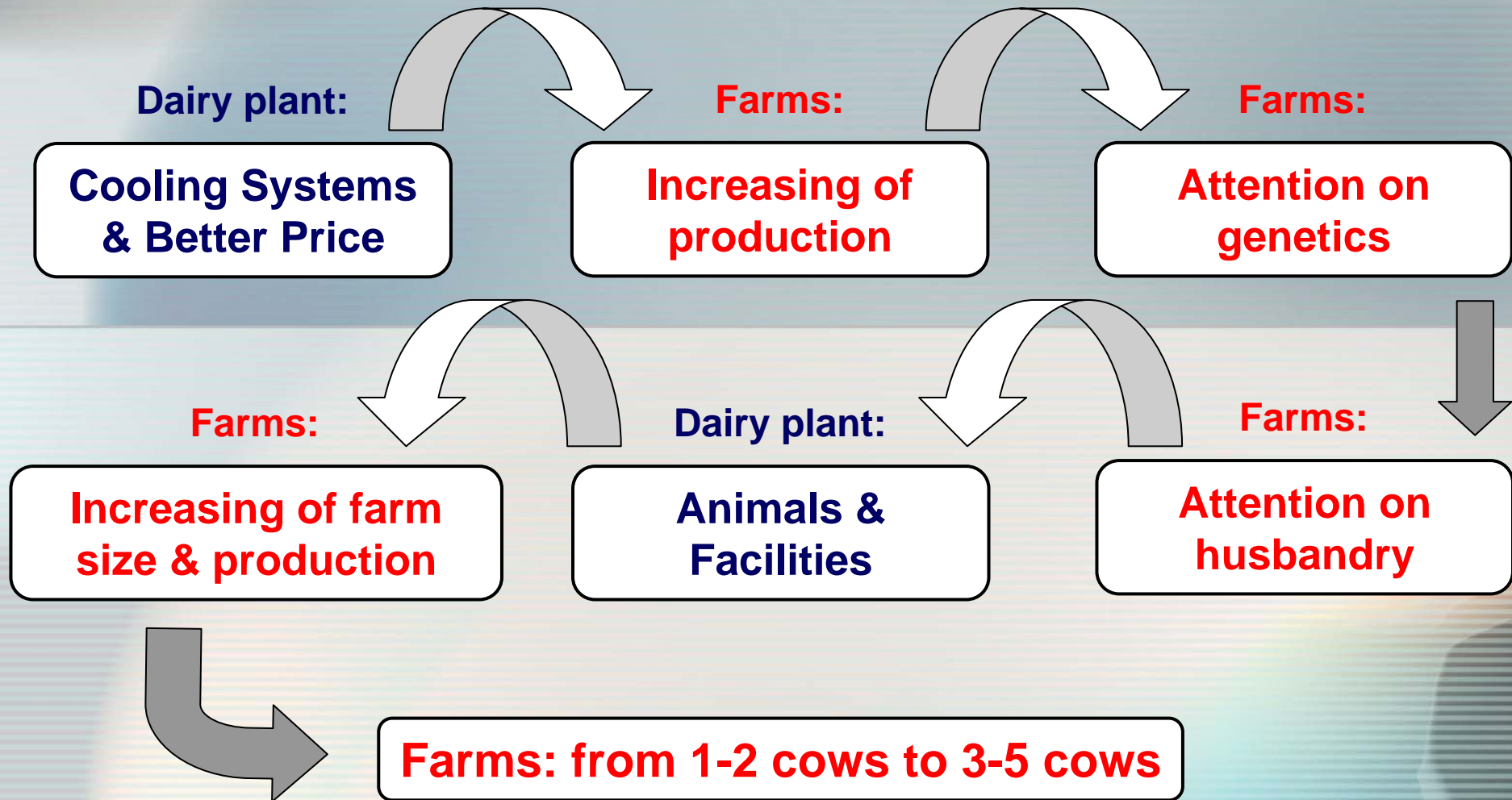


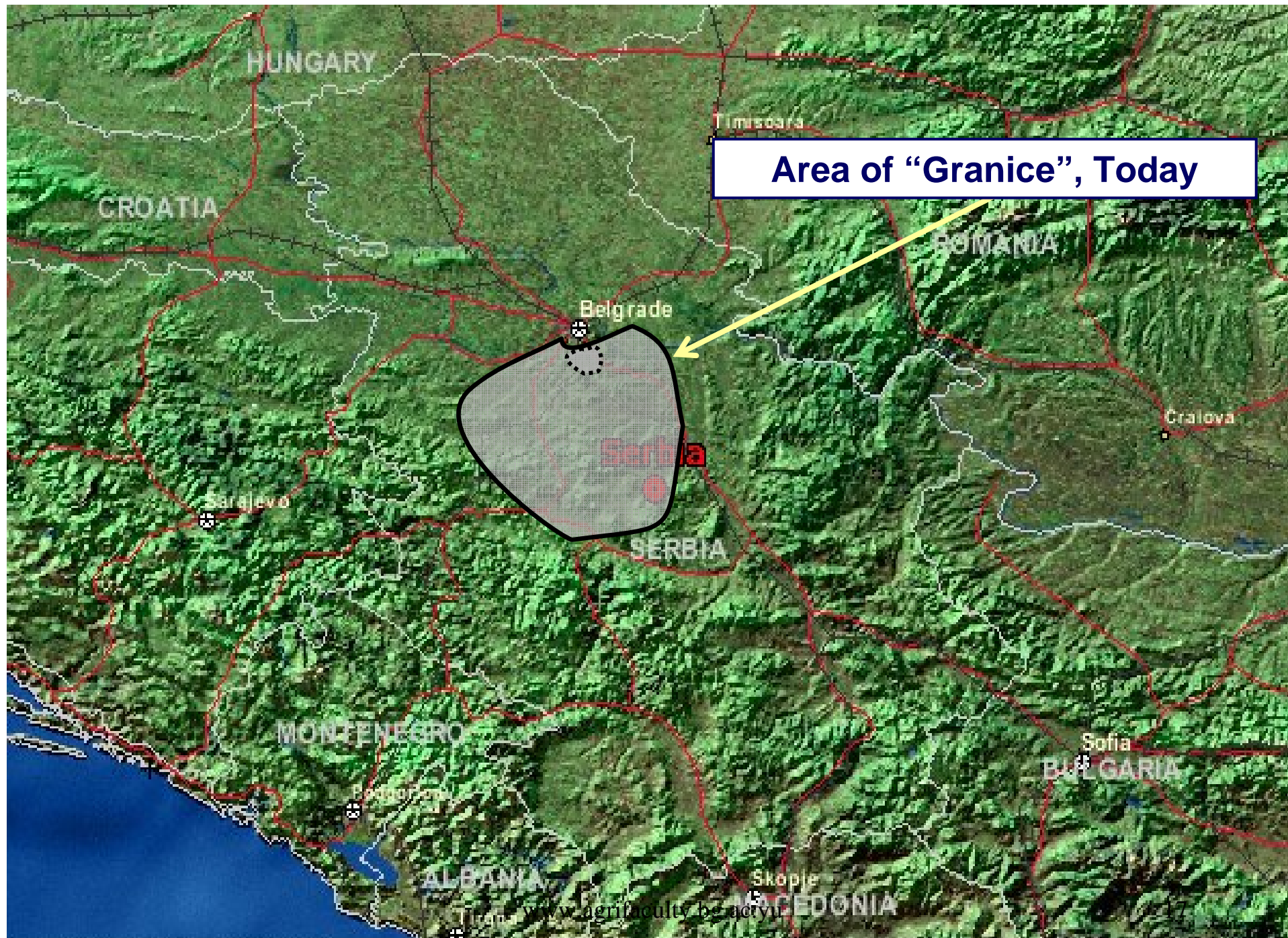
Area of "Granice", 15 years ago

## **Case study – Dairy plant „Granice”, Mladenovac, Serbia (cont.)**

- **Support & Investments to prominent farms**
  - **Cooling systems, better price for larger amount of milk**
  - **Animals & Facilities**

# Case study – Dairy plant „Granice”, Mladenovac, Serbia (cont.)





Area of "Granice", Today