



HNV Farmland in Bulgaria



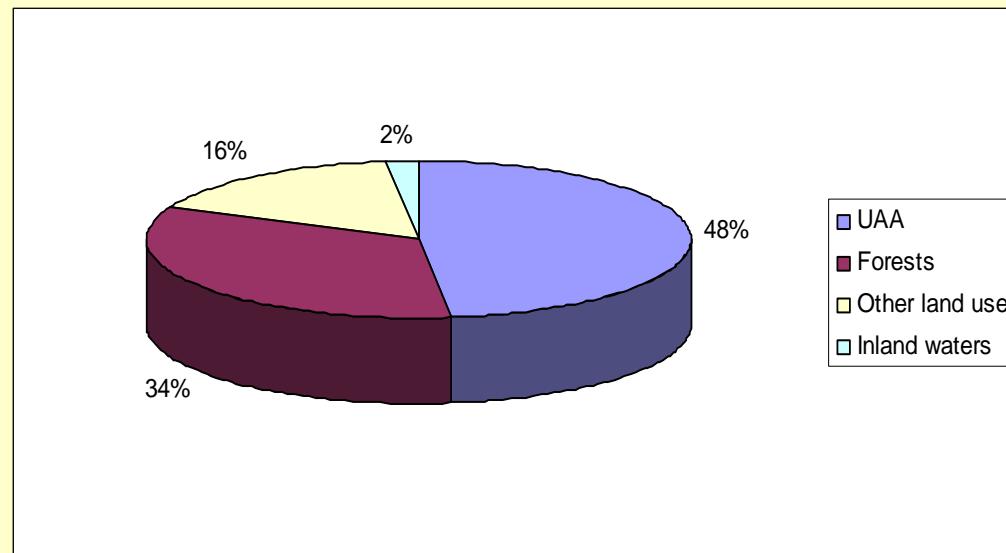
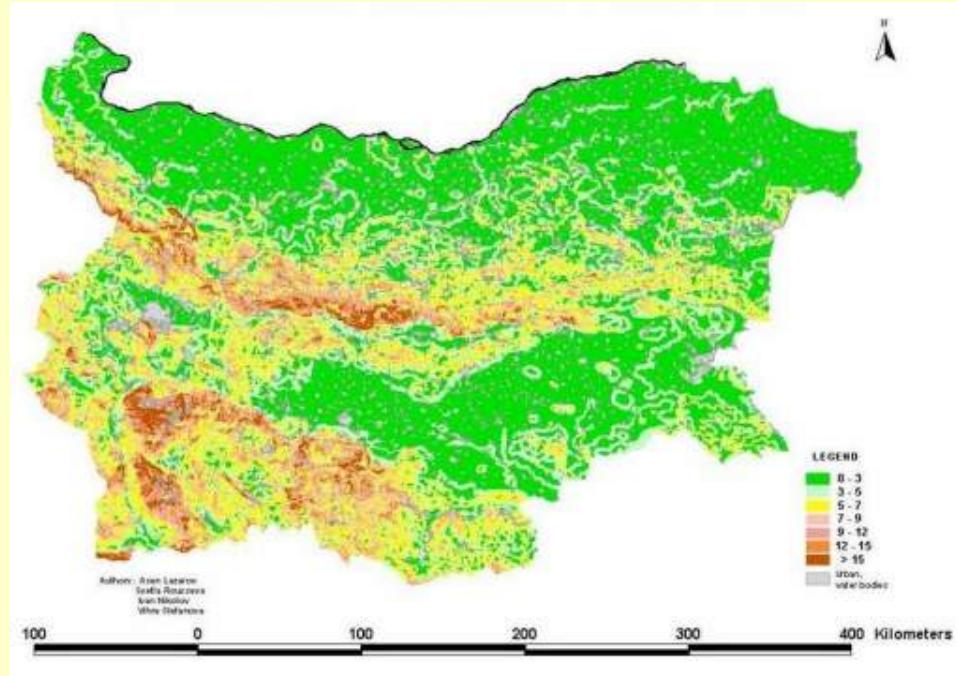
Vyara Stefanova
Conference „High Nature Value Farmland in Europe“
14 – 18 June 2010, Vilm

Facts and figures

Total area
of Bulgaria = 11.1 million ha
UAA = 5.3 million ha

- Arable land – 61.8%
- Permanent pastures – 33.8%
- Permanent crops – 4.0%
- Family gardens – 0.3%

Forest area = 3.7 million ha
Inland waters = 0.2 million ha



Land use change

LAND USE (000 ha)	2004	2008
Agricultural land		
1. Arable land	3 296,8	3 213,6
2. Permanent crops	215,8	172,6
3. Permanent pastures (pastures, meadows and other)	1808,8	1 351, 4
4. Family gardens	15,1	302, 2
5. Mixed Use	2,0	588, 3
total:	5330,5	5 628, 1
Non agricultural land	5545,6	5 471,4
Other Physical blocks	0,2	0,2



Grasslands in Bulgaria

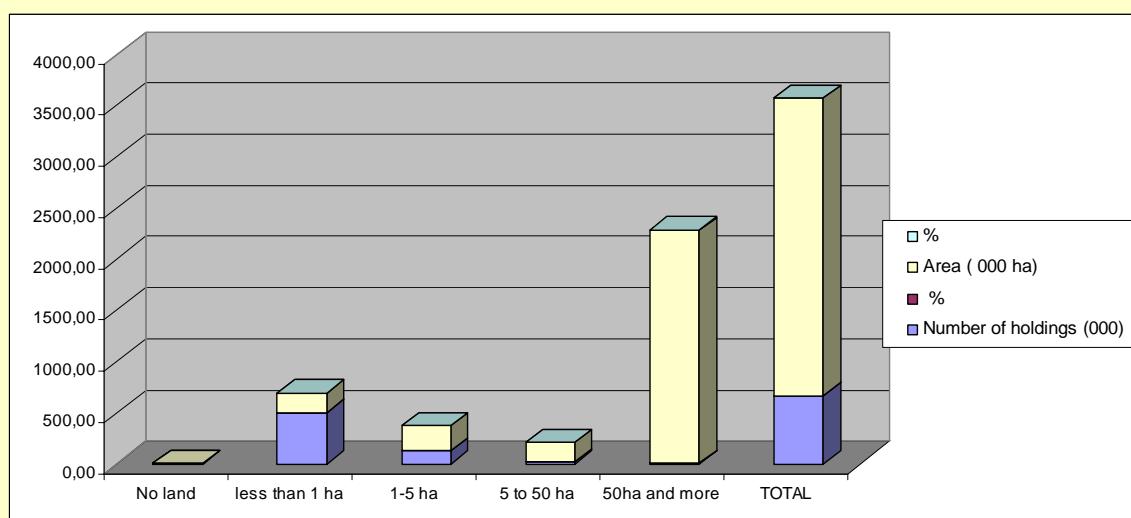
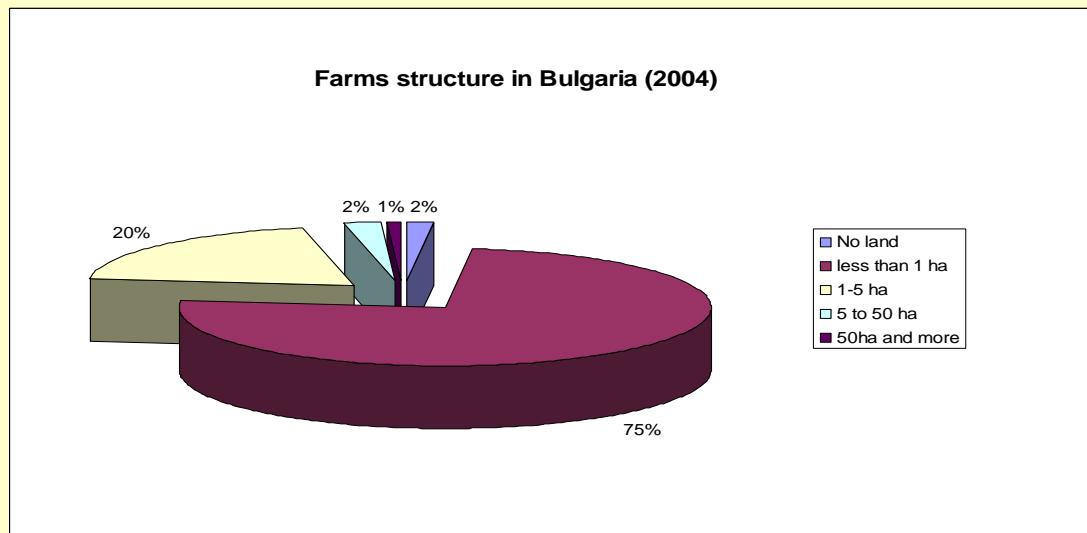
- 66% of the grasslands are low productive natural and semi-natural pastures
- 1% of the grasslands are temporary pastures
- 28% - natural meadows
- 5% - meadow gardens

27% of the grasslands are in South -West Region
25,2% - South – Central Region
Only 9,7% - North –East region



Farm structure in BG

- 75% of the farms are less than 1 ha
- 0,8% of the farms (more than 50 ha) manage 86% UAA)



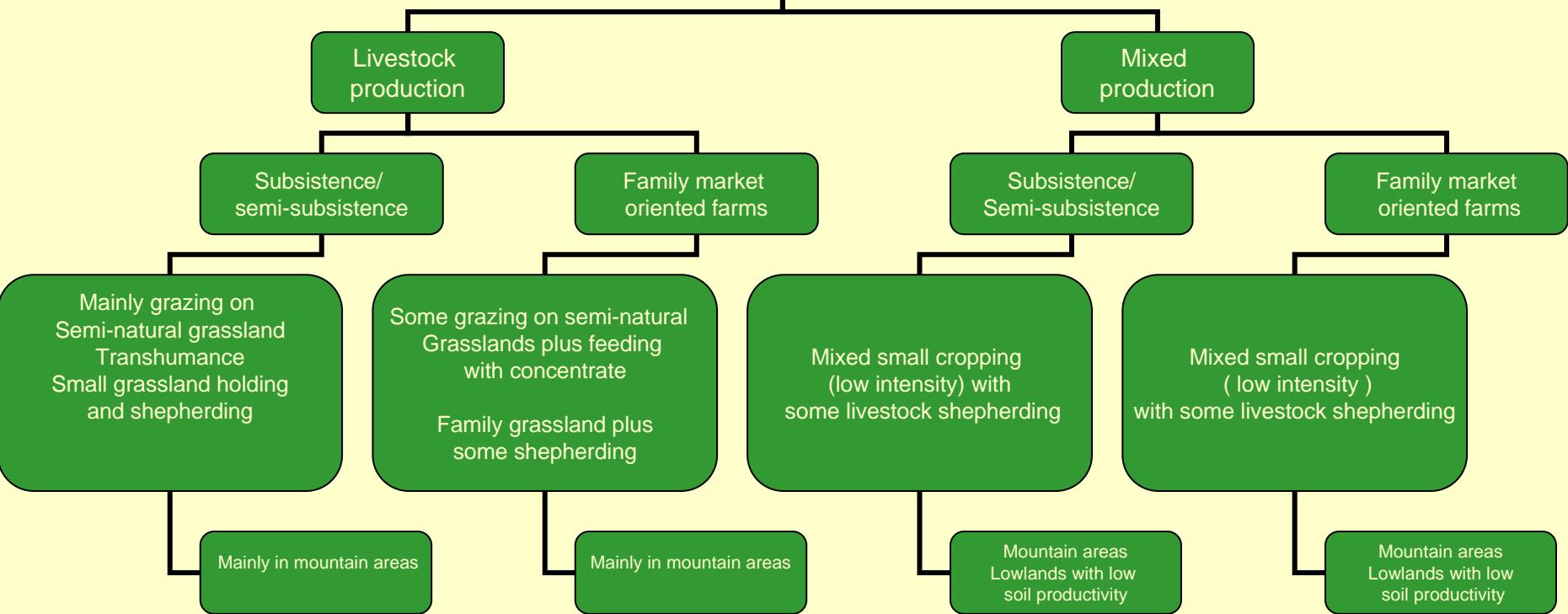


Farm types in BG

- Subsistence and semi-subsistence (livestock and mixed production)
- Family farms (market oriented) – livestock, mixed production, crop production
- Intensive farms (industrial arable and livestock production, green houses, orchards and vegetables)

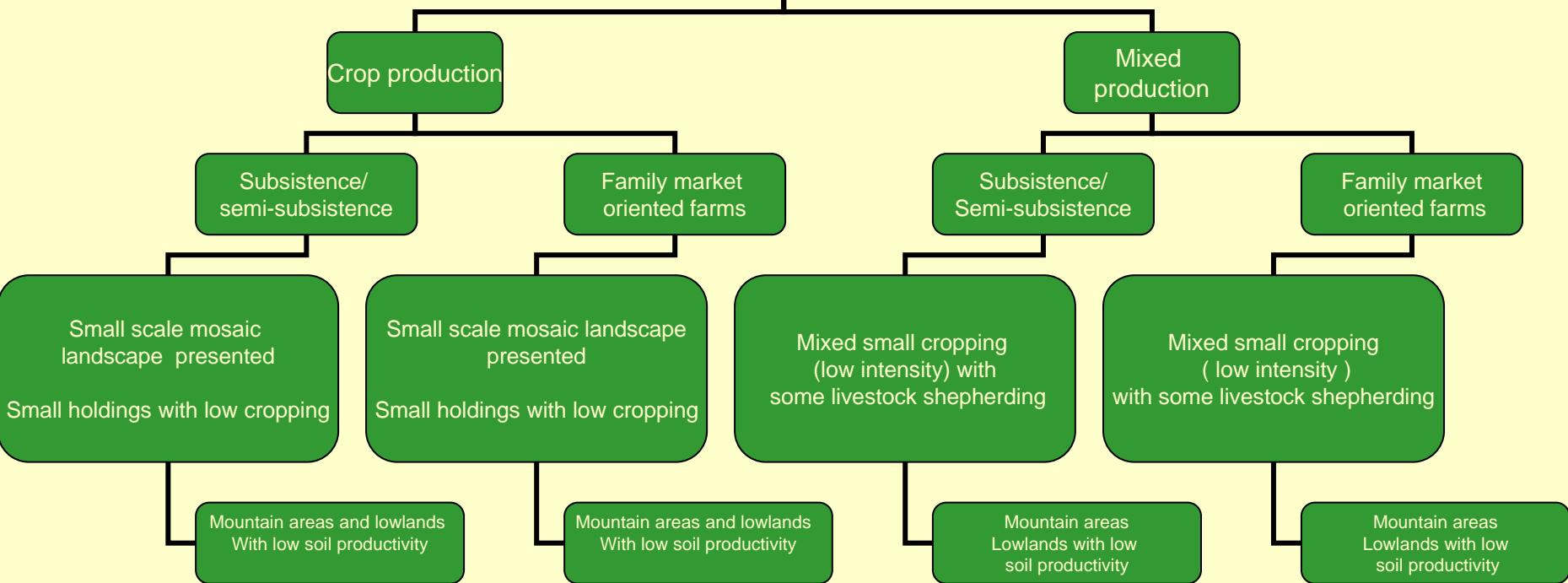


HNVF type 1





HNVF Type 2





HNVF maps – present situation

- Bulgaria adapted the approach used by the EEA by using several national databases for biodiversity situation:
 - CORINE land cover 2000;
 - Natura 2000
 - IBAs
 - Grassland inventory
 - Habitats of triton, souslik, marbled polecat, Romanian hamster, trotoise and butterflies

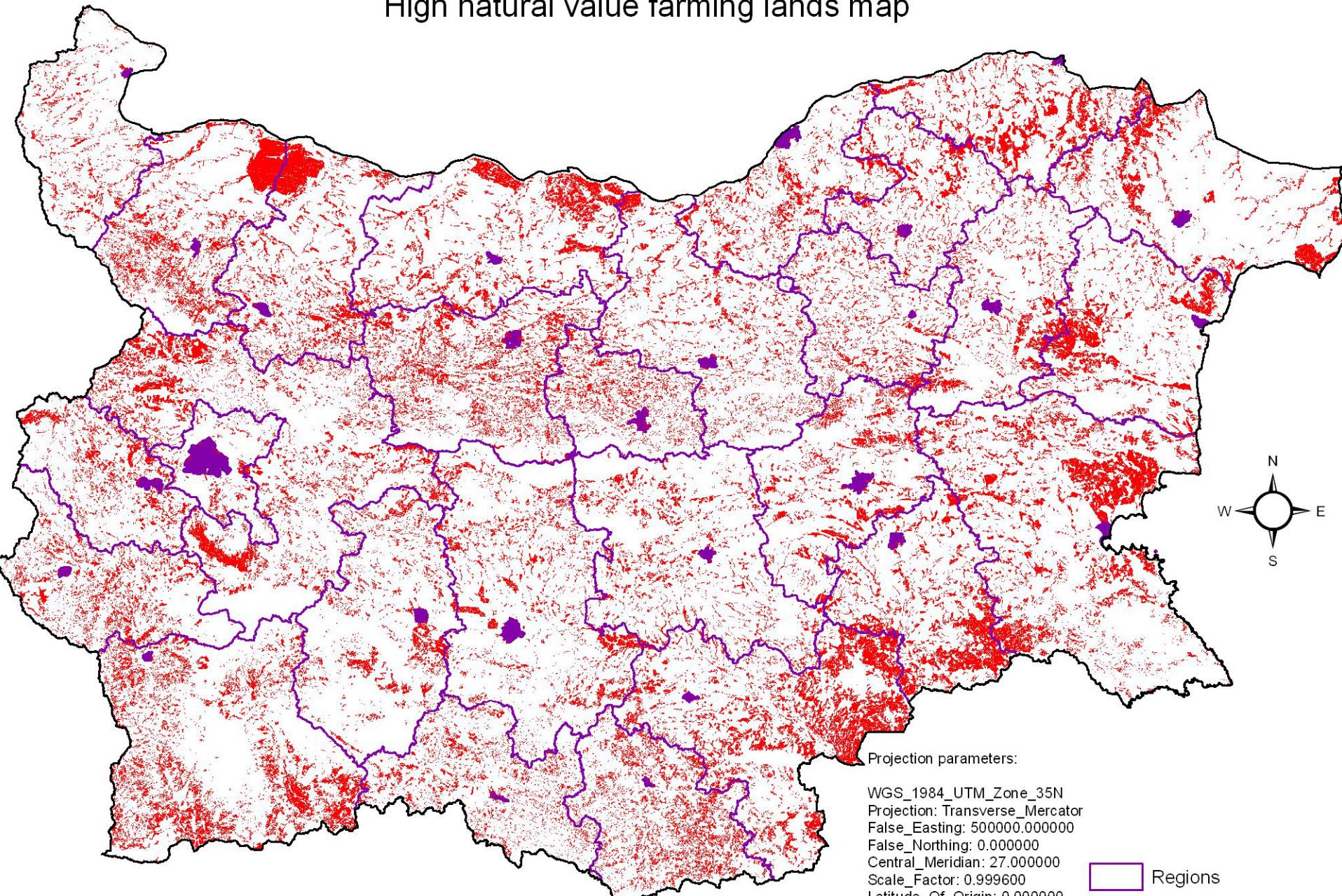


HNVF – present situation

- The layers were then overlapped with the database for the physical blocks in the LPIS as per September 2007 and again in 2009
- Results for HNVF (2007)
 - Arable land – 359 116 ha of which 47,5% in Natura 2000
 - Permanent crops – 40 155 ha of which 30% in Natura 2000
 - Permanent grassland - 951 256 ha of which 42% in Natura 2000
 - Mixed utilization – 279 013 ha of which 37% in Natura 2000
- Total area 1 630 035 ha – defined as HNVF (around 30% of UAA)



High natural value farming lands map



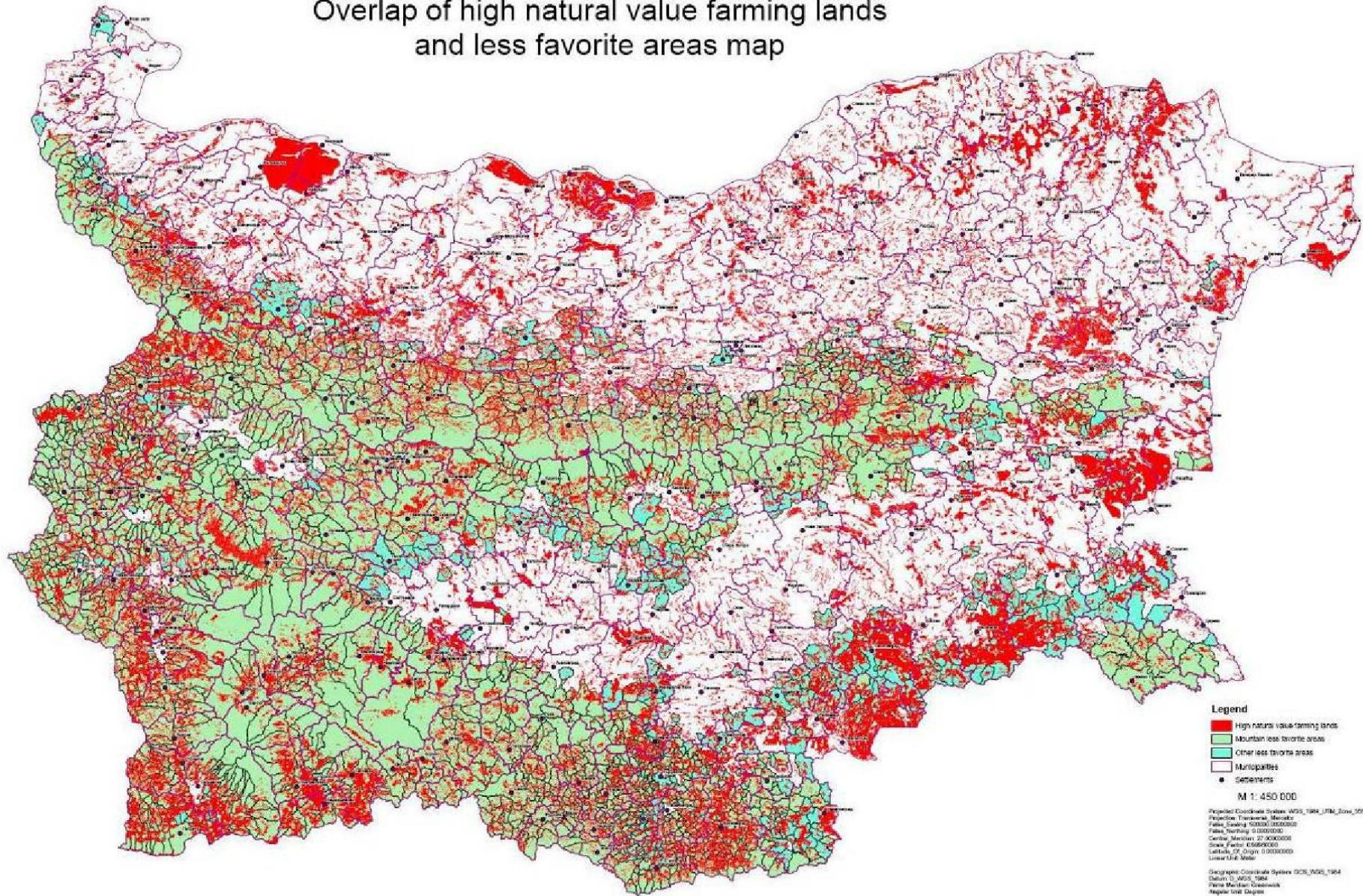
- The approach uses national data bases for biodiversity situation
- It permits overlapping with other territorial databases (LFA)

BUT:

- Is not accurate (errors occur of the different scale of the maps used)
- Does not content info for the farming practices
- Does not allow monitoring of the changes in the quality



Overlap of high natural value farming lands and less favorite areas map



Support for HNVF in

- Direct payments – only 63% are eligible
- National payments (per livestock unit)
- Rural development measures
 - Support for semi-subsistence farm – 1500 EUR/annually
 - LFA payments
 - Mountain LFA – 110 EUR/ha
 - Other LFA – 50 EUR/ha
 - AE payments
 - HNV grasslands 97/155 EUR/ha
 - Mountain pastoralism 100/110 EUR/ha
 - Traditional orchards 131 EUR/ha
 - HNVF in arable land – 20/102 EUR/ha



Thank you !

