

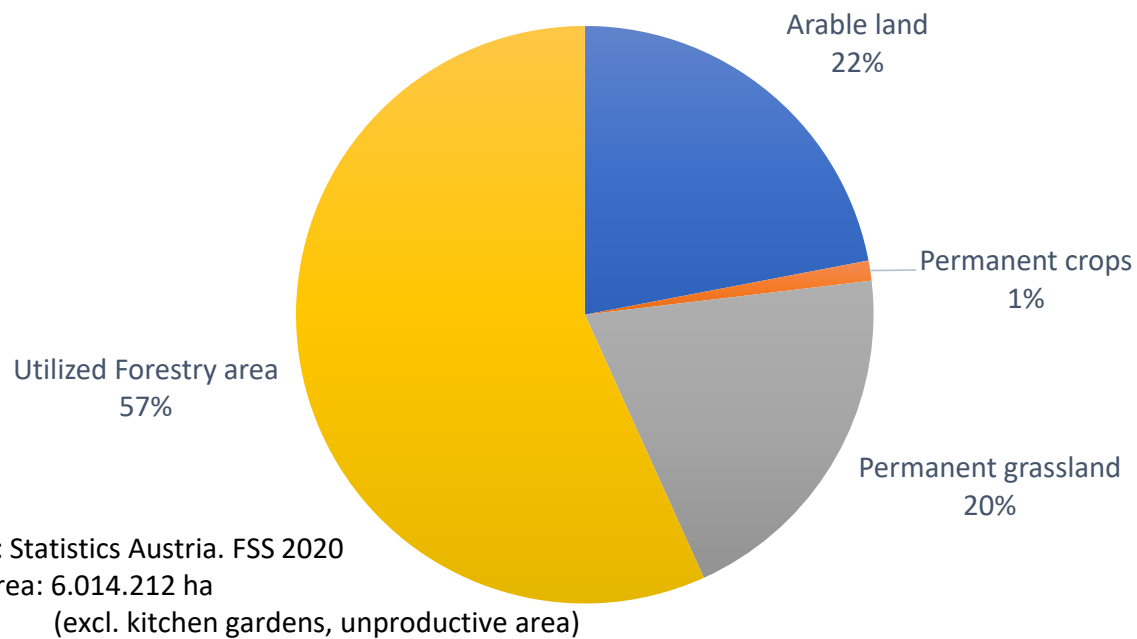
**Differences of the national classification of holdings
to the FADN- classification
according to standard output**

Pacioli Workshop
6.-9. Oktober 2024

Gerhard Gahleitner
ger.hard.gahleitner@bab.gv.at; www.bab.gv.at

Results of farm structure survey 2020

Results of FSS 2020 (census) – utilized land use



- Great importance of forestry sector in AT (57 % of utilized land use)

FSS 2020 – utilized land use by federal states

| federal state | Utilized area in hectares | | | | Forestry area in hectares | Share of forestry area |
|----------------------|---------------------------|------------------|------------------------|---------------------|------------------------------|---------------------------|
| | total | arable land | permanent grassland | permanen t crops | | |
| Burgenland | 176 316 | 150 172 | 12 662 | 13 360 | 87 462 | 33,2% |
| Carinthia | 210 987 | 59 160 | 151 000 | 694 | 497 607 | 70,2% |
| Lower Austria | 885 795 | 676 810 | 175 229 | 33 066 | 705 356 | 44,3% |
| Upper Austria | 502 980 | 287 907 | 211 797 | 2 702 | 449 152 | 47,2% |
| Salzburg | 164 603 | 5 186 | 159 132 | 202 | 269 138 | 62,1% |
| Styria | 356 086 | 128 670 | 210 555 | 16 473 | 850 610 | 70,5% |
| Tyrol | 225 759 | 7 650 | 217 733 | 321 | 468 831 | 67,5% |
| Vorarlberg | 73 805 | 2 588 | 71 093 | 111 | 75 717 | 50,6% |
| Vienna | 6 336 | 4 769 | 779 | 785 | 9 732 | 60,6% |
| Austria total | 2 602 666 | 1 322 912 | 1 209 980 | 67 714 | 3 413 606 | 56,7% |

Share of forestry area
between 33 %
(Burgenland) and 70 %
(Carinthia and Styria)

Source: Statistics Austria. FSS 2020

Standardoutput-Coefficients and comparison Population (FADN vs. National)

Standardoutput-Coefficients 2017 for selected categories (Ø 2015 – 2019)

| SOC heading | Unit | Minimum | Maximum |
|--|--------|---------|---------|
| Woodland | €/ha | 270 | 485 |
| Common wheat and spelt | €/ha | 426 | 967 |
| Grain maize an corn-cob-mix | €/ha | 1 108 | 1 637 |
| Sugar beet (excl. Seed) | €/ha | 1 776 | 2 187 |
| Soy bean | €/ha | 828 | 1 182 |
| Permanent grassland (excl. Rough grazings) | €/ha | 353 | 589 |
| Dairy cows | €/head | 2 573 | 2 910 |
| Non dairy cows | €/head | 585 | 739 |
| Breeding sows, live weight 50 kg and over | €/head | 1 021 | 1 403 |
| Other pigs | €/head | 211 | 252 |

Austria: 9 regions

Source: Federal Institute of Agricultural Research, Rural and Mountain Affairs

FADN – classification vs. National classification (AT)

FADN Classification

National Classification (AT)

Total SO - FADN

Total SO - FADN

+ SO Forestry

+ (SO Equidae)

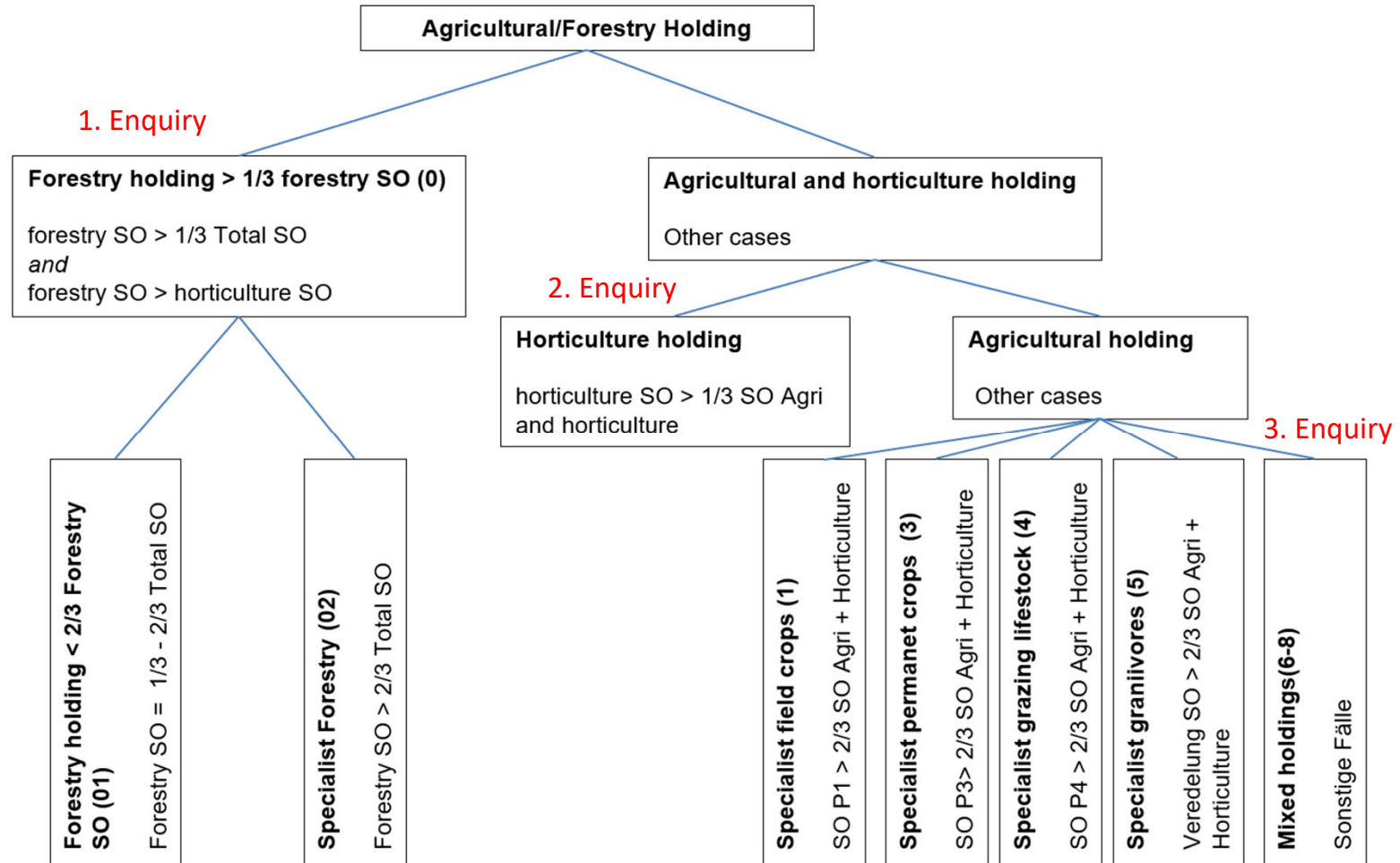
= Total SO - AT

- Objective with regard to SO Forestry
 - To obtain information about forestry
 - Income of agricultural holdings with low proportion from forestry income

Population for national evaluations

- Legal form:
 - Natural person and partnerships
 - Company with limited liability
- Forestry area:
 - < 500 hectares
- Total SO:
 - 15.000 to 750.000 Euro (since 2016)
 - For secondary evaluations (15.000 to 350.000 Euro), as there are to less holdings between 350.000 to 750.000 Euro total SO in sample

National classification of holdings – farm types



Population für national farm accountancy results (FSS 2020)

| Type of farming | Size classes (total SO) | | | | | | | | | | Share (type of holding) % | |
|------------------------------|-------------------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|-----------------|-----------|------------------------------|-------|
| | <2.000 | 2.000-15.000 | 15.000-25.000 | 25.000-40.000 | 40.000-60.000 | 60.000-100.000 | 100.000-350.000 | 350.000-750.000 | 750.000-1 Mill. | >=1 Mill. | | total |
| | Number | | | | | | | | | | | |
| Forestry holding | 15 155 | 28 595 | 3 139 | 2 113 | 1 389 | 1 138 | 669 | 3 | | 1 | 52 202 | 35,3 |
| Specialist crops | 646 | 6 390 | 2 564 | 2 472 | 1 979 | 1 970 | 1 944 | 173 | 24 | 18 | 18 180 | 12,3 |
| Specialist permanent crops | 463 | 3 797 | 1 159 | 1 134 | 952 | 1 355 | 1 897 | 153 | 13 | 15 | 10 938 | 7,4 |
| Specialist grazing livestock | 46 | 13 211 | 7 851 | 7 583 | 6 986 | 8 403 | 7 921 | 139 | 5 | 3 | 52 148 | 35,3 |
| Specialist granivores | 10 | 182 | 105 | 153 | 296 | 730 | 3 346 | 340 | 38 | 33 | 5 233 | 3,5 |
| mixed holding | 21 | 1 861 | 1 141 | 1 188 | 1 058 | 1 486 | 2 117 | 100 | 2 | | 8 974 | 6,1 |
| not classified | 21 | | | | | | | | | | 21 | 0,0 |
| Total | 16 362 | 54 036 | 15 959 | 14 643 | 12 660 | 15 082 | 17 894 | 908 | 82 | 70 | 147 696 | 100,0 |
| Share by size class % | 11,1 | 36,6 | 10,8 | 9,9 | 8,6 | 10,2 | 12,1 | 0,6 | 0,1 | 0,0 | 100,0 | |

Source: Statistics Austria (FSS 2020). BAB

- High share of Forestry holdings (35 %)
- High share of forestry holdings with low total SO
- ~ 48 % of holdings with total SO lower than 15.000 Euro (total SO – AT)

Number of holdings by type of farming – Comparison FADN and AT- Classification (FSS 2020)

| type of farming | FADN- Classification | | | | | AT- Classification | | | | | Difference |
|--|----------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|---------------|----------------|------------|
| | 0-15 | 15-25 | 25-100 | 100-750 | Total | 0-15 | 15-25 | 25-100 | 100-750 | Total | |
| | No. of holdings | | | | | | | | | | % |
| Forestry holding | 0 | 0 | 0 | 0 | 0 | 43 742 | 3 137 | 4 634 | 670 | 52 183 | |
| Specialist crop farming | 8 777 | 2 624 | 6 222 | 2 111 | 19 734 | 7 031 | 2 563 | 6 419 | 2 115 | 18 128 | -8,1 |
| Specialist permanent crops | 4 858 | 1 183 | 3 410 | 2 016 | 11 467 | 4 260 | 1 159 | 3 440 | 2 044 | 10 903 | -4,9 |
| Specialist grazing livestock | 18 128 | 9 238 | 23 081 | 7 348 | 57 795 | 13 257 | 7 851 | 22 969 | 8 060 | 52 137 | -9,8 |
| Specialist granivores | 253 | 110 | 1 218 | 3 640 | 5 221 | 192 | 105 | 1 179 | 3 684 | 5 160 | -1,2 |
| Mixed holding | 2 140 | 1 245 | 3 784 | 2 269 | 9 438 | 1 882 | 1 141 | 3 731 | 2 217 | 8 971 | -4,9 |
| Total (excl. Specialist horticulture) | 34 156 | 14 400 | 37 715 | 17 384 | 103 655 | 70 364 | 15 956 | 42 372 | 18 790 | 147 482 | |

Source: Statistics Austria (FSS 2020). BAB

- Total No. of Specialist crop farming and Specialist grazing livestock in AT- classification lower (classified as forestry holding)
- Total SO of holdings in FADN- classification is lower (no SO of forestry)
- No comparison of evaluations according to FADN classification and AT- classification possible

Selected type of farmings – Population and total SO by economic size classes (FADN classification)

| Code | Designation | No. of holdings | Number of holdings by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|------|---|-----------------|--|------|------|------|------|------|------|------|------|-------|--------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| | Total | 105 109 | 100,0 | 98,6 | 93,7 | 82,3 | 67,5 | 53,8 | 35,3 | 17,5 | 3,2 | 0,7 | 0,2 |
| 51 | Specialist pigs | 3 748 | 100,0 | 99,7 | 98,9 | 98,1 | 97,0 | 95,4 | 91,3 | 76,3 | 21,0 | 2,1 | 0,1 |
| 52 | Specialist poultry | 1 388 | 100,0 | 99,3 | 99,1 | 96,8 | 92,9 | 89,8 | 78,3 | 57,1 | 23,6 | 6,8 | 2,0 |
| 46 | Specialist cattle – rearing and fattening | 19 394 | 100,0 | 99,7 | 94,9 | 77,7 | 50,3 | 27,6 | 9,8 | 2,7 | 0,2 | 0,0 | 0,0 |
| 48 | Sheep, goats and other grazing livestock | 11 498 | 100,0 | 99,7 | 94,3 | 70,7 | 40,5 | 20,7 | 6,5 | 1,2 | 0,1 | 0,0 | 0,0 |

| Code | Designation | SO Total Mio. € | Total SO by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|------|---|-----------------|--|-------|-------|-------|------|------|------|------|------|-------|--------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| | Total | 6 729 | 100,0 | 100,0 | 99,7 | 98,7 | 96,1 | 91,9 | 81,5 | 61,6 | 27,5 | 14,7 | 9,5 |
| 51 | Specialist pigs | 689 | 100,0 | 100,0 | 100,0 | 100,0 | 99,9 | 99,7 | 98,9 | 92,6 | 40,9 | 8,4 | 1,5 |
| 52 | Specialist poultry | 284 | 100,0 | 100,0 | 100,0 | 99,9 | 99,7 | 99,4 | 97,2 | 89,1 | 61,6 | 34,8 | 19,1 |
| 46 | Specialist cattle – rearing and fattening | 461 | 100,0 | 100,0 | 99,3 | 95,0 | 82,0 | 63,5 | 37,8 | 17,5 | 2,4 | 0,6 | 0,0 |
| 48 | Sheep, goats and other grazing livestock | 220 | 100,0 | 100,0 | 99,0 | 91,6 | 74,0 | 54,1 | 28,4 | 9,8 | 1,7 | 0,7 | 0,5 |

Source: Statistics Austria. FSS 2020. BAB

Selected regions (federal states)– Population and total SO by economic size classes (FADN classification)

| Region | No. of holdings | Number of holdings by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|---------------|-----------------|--|------|------|------|------|------|------|------|-----|-------|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| Austria | 105 109 | 100,0 | 98,6 | 93,7 | 82,3 | 67,5 | 53,8 | 35,3 | 17,5 | 3,2 | 0,7 | 0,2 |
| Upper Austria | 21 339 | 100,0 | 99,6 | 96,7 | 88,4 | 75,7 | 62,5 | 44,3 | 24,4 | 3,8 | 0,7 | 0,2 |
| Lower Austria | 27 993 | 100,0 | 98,1 | 92,9 | 84,6 | 73,5 | 61,6 | 42,9 | 22,4 | 4,1 | 1,2 | 0,4 |
| Kärnten | 9 575 | 100,0 | 98,6 | 92,1 | 76,9 | 56,5 | 39,2 | 21,7 | 9,4 | 1,2 | 0,4 | 0,1 |
| Tirol | 10 184 | 100,0 | 99,1 | 94,1 | 77,2 | 56,5 | 39,9 | 19,0 | 5,2 | 0,6 | 0,2 | 0,1 |

| Region | SO Total Mio. € | Total SO by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|---------------|-----------------|--|-------|------|------|------|------|------|------|------|-------|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| Austria | 6 729 | 100,0 | 100,0 | 99,7 | 98,7 | 96,1 | 91,9 | 81,5 | 61,6 | 27,5 | 14,7 | 9,5 |
| Upper Austria | 1 772 | 100,0 | 100,0 | 99,9 | 99,3 | 97,5 | 94,4 | 86,4 | 69,3 | 30,6 | 17,9 | 14,9 |
| Lower Austria | 2 058 | 100,0 | 100,0 | 99,7 | 99,1 | 97,4 | 94,2 | 84,9 | 64,8 | 27,0 | 12,3 | 6,9 |
| Kärnten | 374 | 100,0 | 100,0 | 99,4 | 97,1 | 91,3 | 82,7 | 66,8 | 44,4 | 13,3 | 5,8 | 2,3 |
| Tirol | 338 | 100,0 | 100,0 | 99,5 | 96,4 | 89,5 | 79,8 | 57,4 | 29,0 | 9,7 | 5,3 | 3,4 |

Source: Statistics Austria. FSS 2020. BAB

Size class 5 = 15.000 – 25.000 Euro total SO
 Size class 6 = 25.000 bis 50.000 Euro total SO

(Less) favoured areas – Population and total SO by economic size classes (FADN classification)

| Region | No. of holdings | Number of holdings by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|------------------------------|-----------------|--|------|------|------|------|------|------|------|-----|-------|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| Austria total | 105 109 | 100,0 | 98,6 | 93,7 | 82,3 | 67,5 | 53,8 | 35,3 | 17,5 | 3,2 | 0,7 | 0,2 |
| favoured area (EP-Gr. 0) | 40 120 | 100,0 | 97,2 | 90,0 | 79,2 | 68,1 | 57,6 | 42,6 | 25,5 | 6,3 | 1,5 | 0,4 |
| low difficulty (EP-Gr. 1) | 28 838 | 100,0 | 99,3 | 96,2 | 86,7 | 73,5 | 60,1 | 40,6 | 19,5 | 2,4 | 0,4 | 0,1 |
| high difficulty (EP-Gr. 3) | 10 213 | 100,0 | 99,5 | 95,5 | 80,9 | 58,2 | 38,4 | 16,2 | 3,1 | 0,2 | 0,1 | 0,0 |
| highest difficulty (EP-Gr.4) | 6 606 | 100,0 | 99,3 | 93,7 | 73,1 | 45,5 | 25,9 | 7,5 | 0,8 | 0,0 | 0,0 | 0,0 |

| Region | SO Total Mio. € | Total SO by size classes (Share in % - inverse cumulative) | | | | | | | | | | |
|------------------------------|-----------------|--|-------|------|------|------|------|------|------|------|-------|--------------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+11 | 12 + 13 + 14 |
| Austria total | 6 729 | 100,0 | 100,0 | 99,7 | 98,7 | 96,1 | 91,9 | 81,5 | 61,6 | 27,5 | 14,7 | 9,5 |
| favoured area (EP-Gr. 0) | 3 594 | 100,0 | 100,0 | 99,7 | 99,0 | 97,6 | 95,3 | 89,2 | 75,4 | 41,5 | 24,1 | 16,2 |
| low difficulty (EP-Gr. 1) | 1 818 | 100,0 | 100,0 | 99,8 | 98,9 | 96,5 | 92,4 | 81,1 | 57,2 | 16,3 | 5,9 | 2,7 |
| high difficulty (EP-Gr. 3) | 297 | 100,0 | 100,0 | 99,5 | 96,5 | 87,7 | 74,4 | 47,4 | 16,5 | 2,9 | 1,7 | 0,9 |
| highest difficulty (EP-Gr.4) | 134 | 100,0 | 100,0 | 99,0 | 92,9 | 77,7 | 59,2 | 27,2 | 5,6 | 0,7 | 0,7 | 0,0 |

Source: Statistics Austria. FSS 2020. BAB

- large holdings according to SO : higher share regarding number and total SO with no/low difficulties

Results of national evaluations from 2019 to 2023

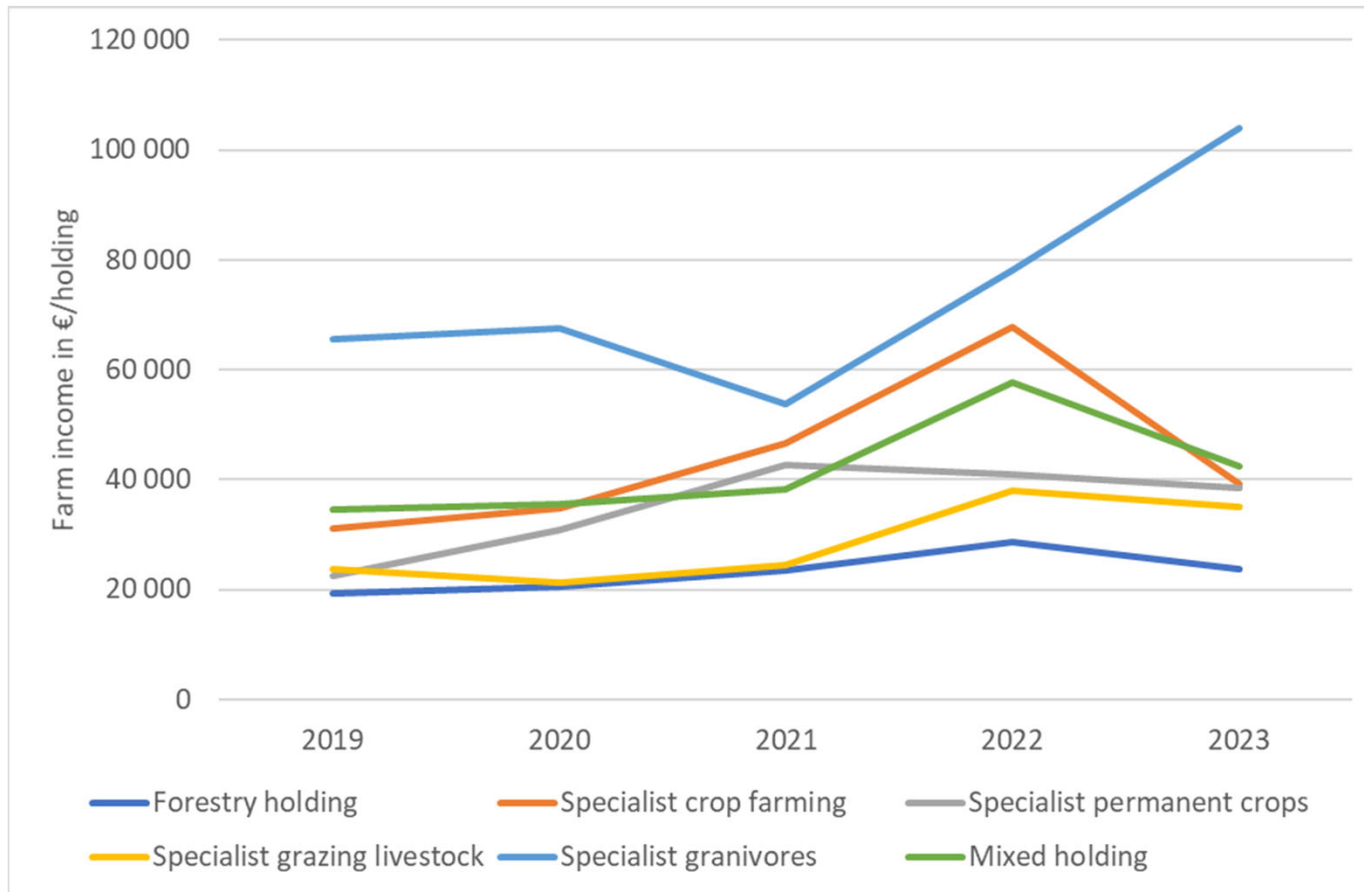
National type of holdings in sample – structure (Ø 2019 – 2023)

| Figure | Forestry holding | Specialist crop farming | Specialist permanent crops | Specialist grazing livestock | Specialist granivores | Mixed holding |
|-----------------------------|------------------|-------------------------|----------------------------|------------------------------|-----------------------|---------------|
| Number of holding in sample | 142 | 352 | 155 | 893 | 174 | 219 |
| Population | 8 141 | 11 080 | 6 496 | 38 556 | 4 667 | 7 075 |
| SO total | 43 571 | 61 563 | 80 796 | 68 665 | 165 712 | 84 618 |
| UAA in ha | 27 | 53 | 15 | 30 | 32 | 39 |
| Arable land in ha | 2,6 | 51,1 | 7,3 | 7,3 | 29,6 | 31,1 |
| Permanent grassland in ha | 22,8 | 1,6 | 0,7 | 22,0 | 2,3 | 6,3 |
| Permanent crops in ha | 0,0 | 0,2 | 6,5 | 0,0 | 0,0 | 0,9 |
| Forestry area in ha | 59,4 | 5,4 | 3,6 | 14,0 | 6,5 | 8,2 |
| LSU | 14,7 | 0,8 | 0,5 | 32,1 | 53,6 | 21,5 |
| AWU total | 1,1 | 1,0 | 2,0 | 1,5 | 1,5 | 1,5 |
| AWU unpaid | 1,1 | 0,9 | 1,4 | 1,4 | 1,4 | 1,4 |

Source: BML. Green Report 2024

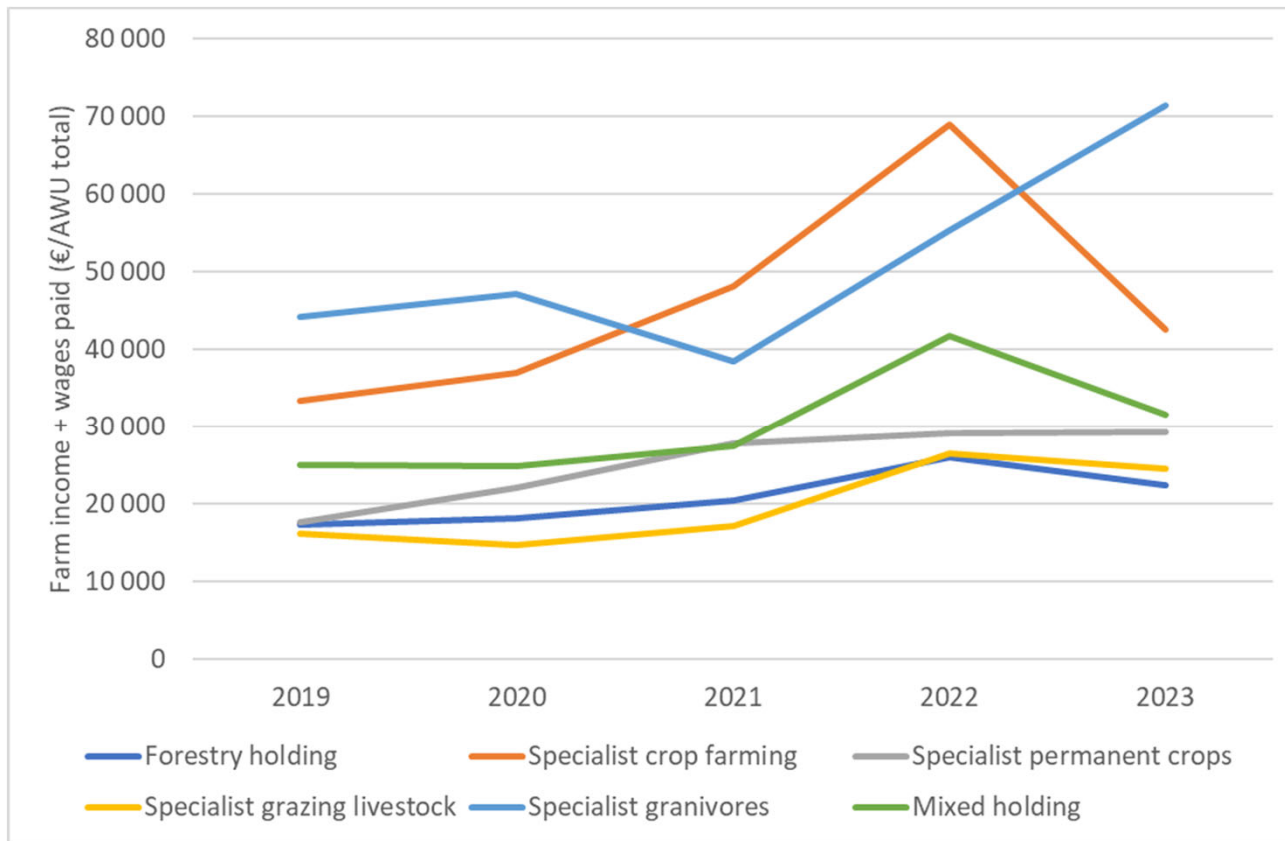
- Forestry holdings:
 - SO total lowest compared to other type of holdings
 - High share of permanent grassland
 - Mainly extensive livestock farming

Farm income per holding by type of holding (2019 – 2023)



- Specialist granivores highest farm income (representing 6% of all holdings)
- Specialist grazing livestock farm income below average (representing 50% of all holdings)
- Forestry holding with lowest farm income (representing 11% of all holdings)

Farm income + wages paid (per AWU total) by type of holding from 2019 to 2023



- Specialist granivores, Specialist crop farming:
 - Highest remuneration for labour force
- Specialist grazing livestock: in most years lowest remuneration (due to high labour force)

Source: BML. Green Report 2024

Vielen Dank
für Ihre Aufmerksamkeit