



2014 vs 2019 Pillar 1 and 2 payments comparisons for ARD Stakeholders

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Presentation for ARD Stakeholders - online, 15 December 2021



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Scope of the work

- **Included:**
 - Move from SFPS (historic) to BPS + Greening (area based, regionalised);
 - For VCS the move from SBCS to SSBSS (Mainland and Island) and SUSSS;
 - Adding Pillar 2 – beyond LFASS, previously for Ag Strat Champions.
- **State-of-play** – using 2019 as baseline for future planning.
- **Distributions** – ways to judge qualitative fitness-for-purpose against the intervention logics and policy narratives (geographic and other dimensions).
- **Change** – now comparing payments in 2014 with 2019 (previously, estimated, post internal convergence, 2019 values were used).
- **Other associated phenomena**
 - Distributions of payments relative to other land use phenomena
 - Which land is included, business structures – new, existing, leaving
- **Full analysis** – the complete outputs from which the examples used here are selected.



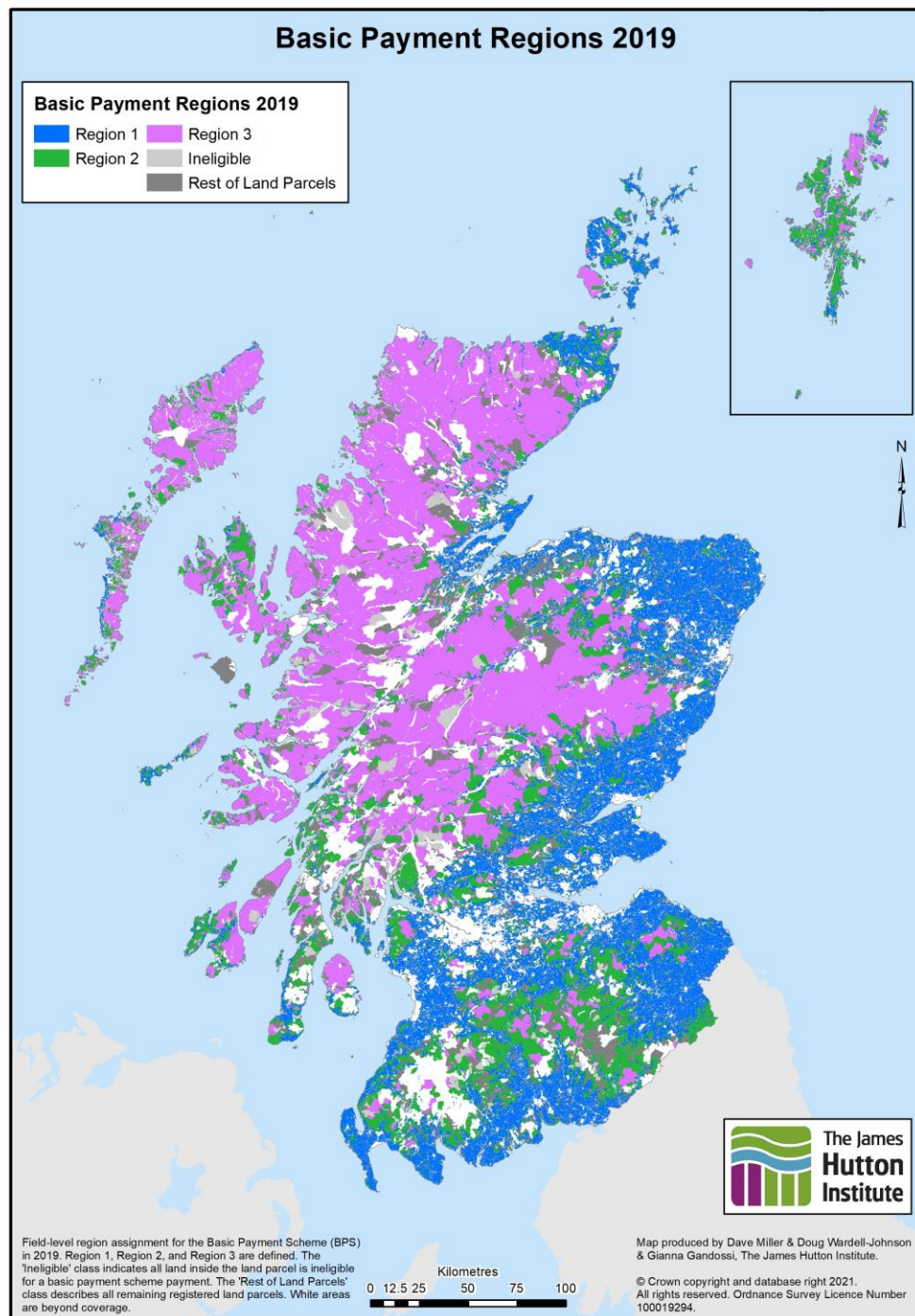
Caveats

- Exchange Rates:
 - 2014 had a poorer Euro exchange rate (~ 0.78) vs 2019 (~ 0.89);
 - Increases the value of the payment values for sterling recipients by $\sim 14\%$ in 2019;
 - Analysis focus on the policy mechanisms – so standardised on 2014 £'s for clearer comparisons.
- External convergence – not included:
 - £160M over 2019 and 2020 by addressing an issue for years 2014-2020;
 - Distributed by via VCS, BPS and upland payments (option to include);
 - Equivalent to a \sim £27M per annum uplift, if averaged over the period.
- Pillar 2 specifics:
 - some schemes better averaged over time (AECS, RP, FGS, LMO);
 - where all years not yet available then 2019 used;
 - others need specific years – e.g., LFASS 2019 at 80%.
- Issues with business populations
 - 2014 has a less complete linkage to the JAC for determining farm type, ag region and other details. Some non-farm businesses.



Payment regions

- The key geography of the payment system
 - Land use and LFA grazing category
- Exceptions
 - VCS (headage)
 - LFASS (disadvantage, fragility and historic headage)
 - Other Pillar 2 (opportunity and competitive)



Headline Values and Scheme Mix

2014 - £539M

Year	2014	2019	Diff
Pillar 1			
SFP	£385M		-£26M
BPS		£234M	
Greening		£120M	
FDRI		£5M	
SBCS	£21M		£20M
SSBSSM		£29M	
SSBSSI		£5M	
SUSS		£6M	
YFP		£2M	£2M
			-£5M
Pillar 2			
LFAS	£65M	£55M	-£9M
SRDP	£68M	£70M	£2M
			-£8M
All			
	£539M	£526M	-£13M

SFPS
£385M

SRDP
£68M

LFAS
£65M

SBCS
£21M

2019 - £526M

BPS
£234M

Greening
£120M

LFAS
£55M

SRDP
£70M

SSBSSM
£29M

SUSS
£6M

FDRI
£5M

SSBSSI
£5M

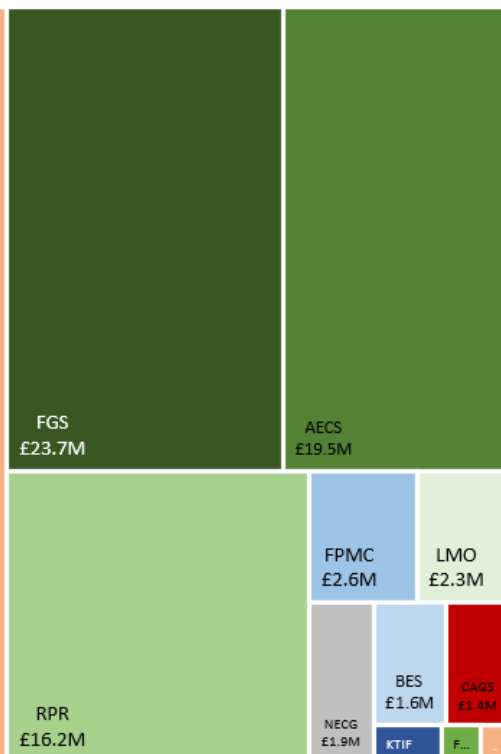
Without adjusting for exchange rates – total spend for 2019 is £569M



Pillar 2 detail, Pillar balance

2019 Pillar 2 - £125M

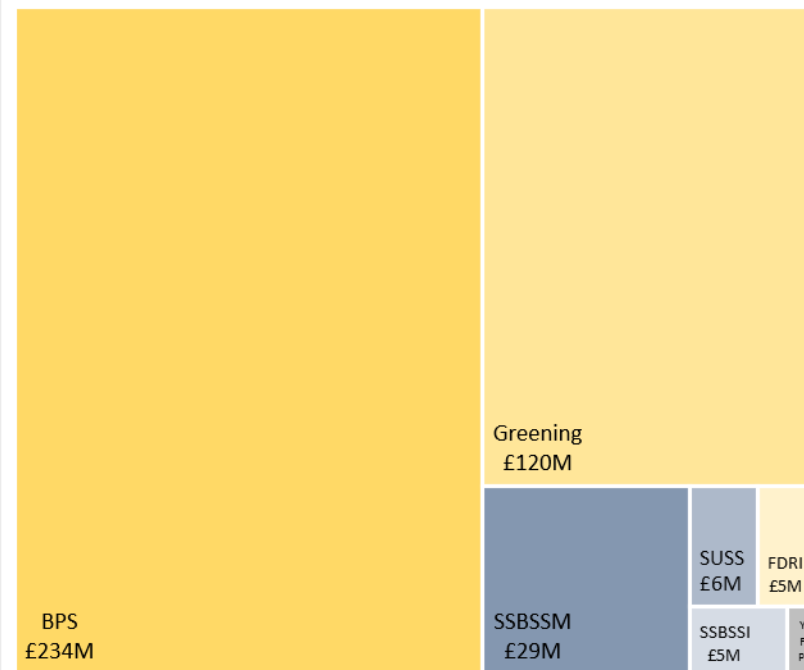
Year	2019
Pillar 2	
LFAS	£55.3M
FGS	£23.655M
AECS	£19.496M
RPR	£16.250M
FPMC	£2.594M
LMO	£2.252M
NECG	£1.911M
BES	£1.637M
CAGS	£1.442M
KTIF	£0.458M
FPS	£0.264M
FWS	£0.053M
SFGS	£0.049M
YFSUG	£0.047M
FWPS	£0.033M
BB	£0.016M
NESUG	£0.003M



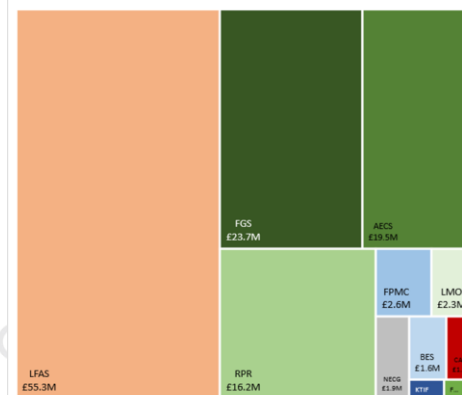
LFAS
£55.3M

Pillar 2 – in 2019 is 23% of all spend.
Ag-Env £38M – 7%
Small, New, Young, Croft - £3m – 1%
Business Dev £5M - 1%
Woodlands £24M – 5%
LFA £55M – 11%

2019 Pillar 1 - £401M



2019 Pillar 2 - £125M



LFAS
£55.3M

FGS
£23.7M

AECS
£19.5M

RPR
£16.2M

FPMC
£2.6M

LMO
£2.3M

NECG
£1.9M

BES
£1.6M

CAGS
£1.4M

KTIF
£0.46M

FPS
£0.26M

FWS
£0.05M

SFGS
£0.05M

YFSUG
£0.05M

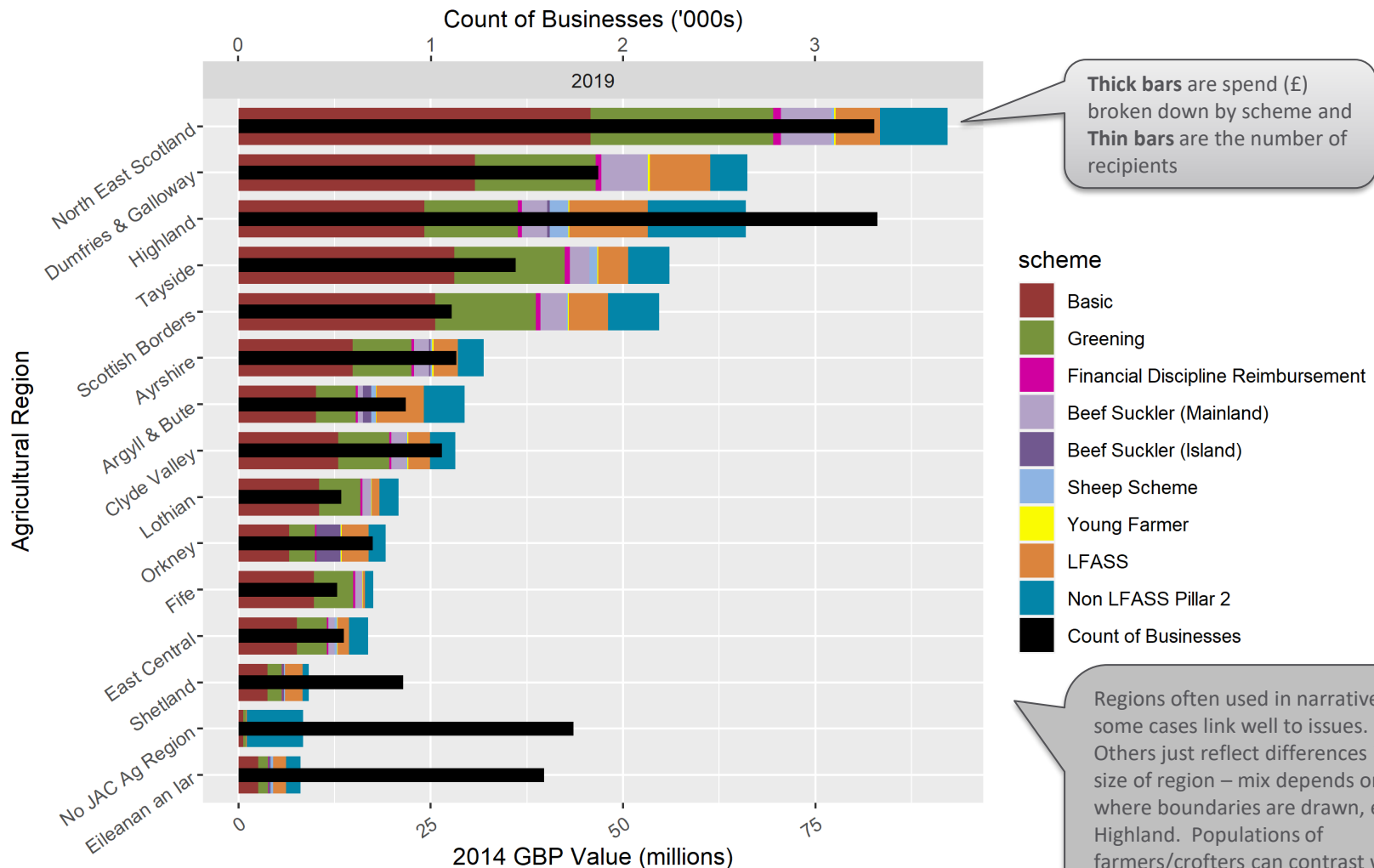
FWPS
£0.03M

BB
£0.02M

NESUG
£0.00M



Support Payments – Ag Region - 2019

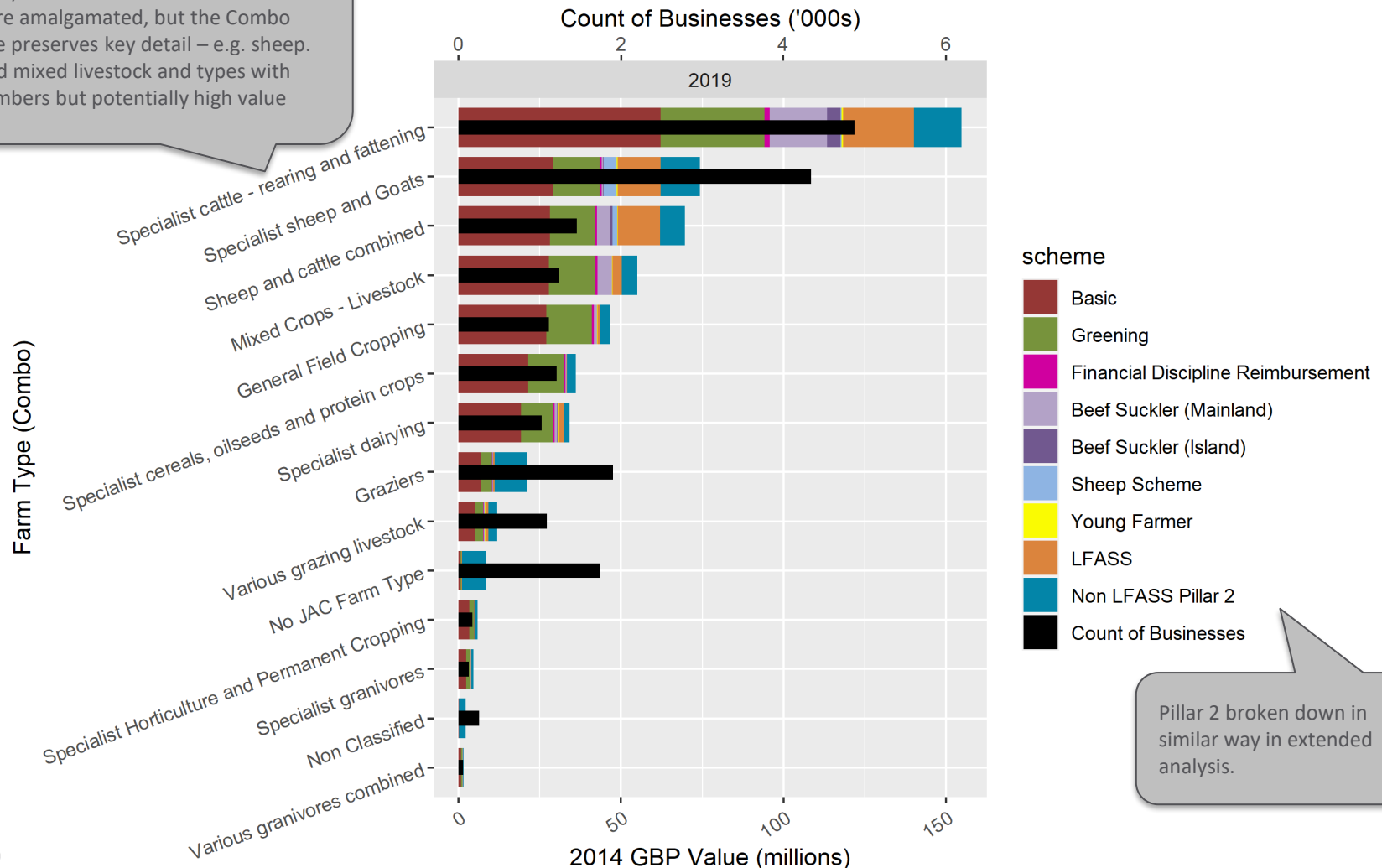


All financial amounts unless noted are in 2014 GBP (£) adjusted only for exchange rates.

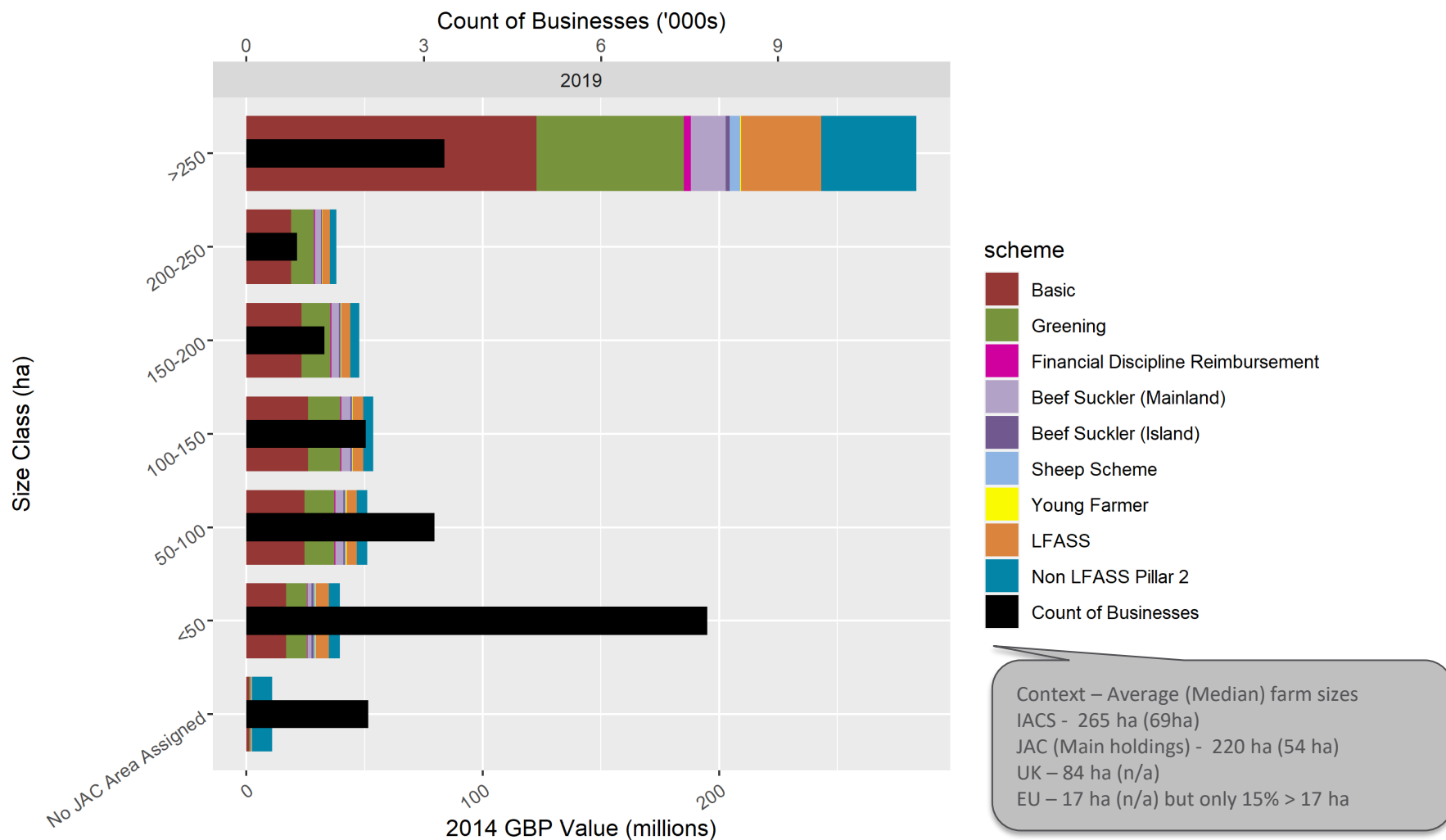
Regions often used in narratives – some cases link well to issues. Others just reflect differences in size of region – mix depends on where boundaries are drawn, e.g., Highland. Populations of farmers/crofters can contrast within regions.

Support Payments – Farm Type - 2019

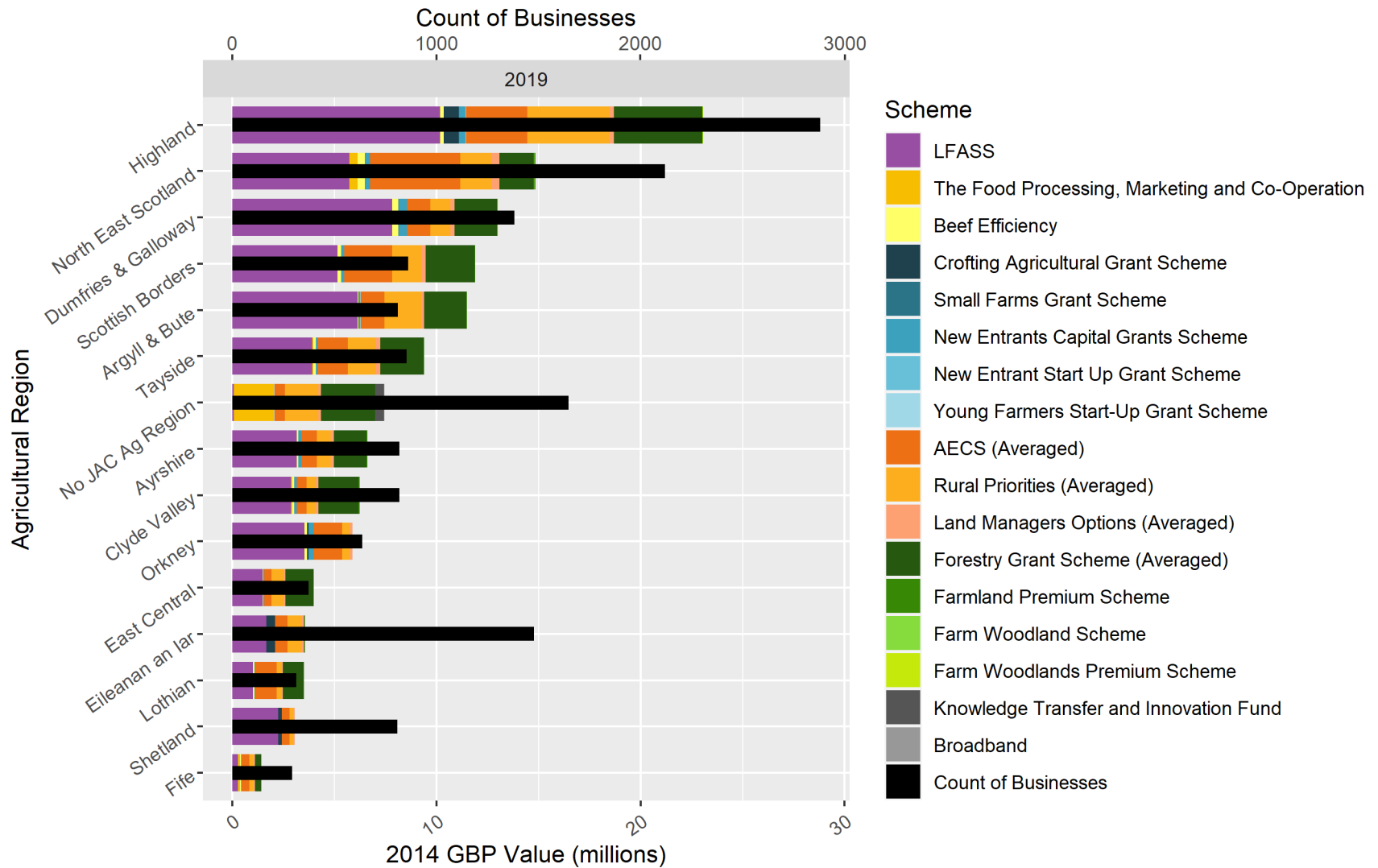
Farm Type here is based on the JAC farm type (High) with 46 classes – the smaller classes are amalgamated, but the Combo farm type preserves key detail – e.g. sheep, cattle and mixed livestock and types with small numbers but potentially high value crops.



Support Payments – Size Class - 2019



P2 – Ag Region

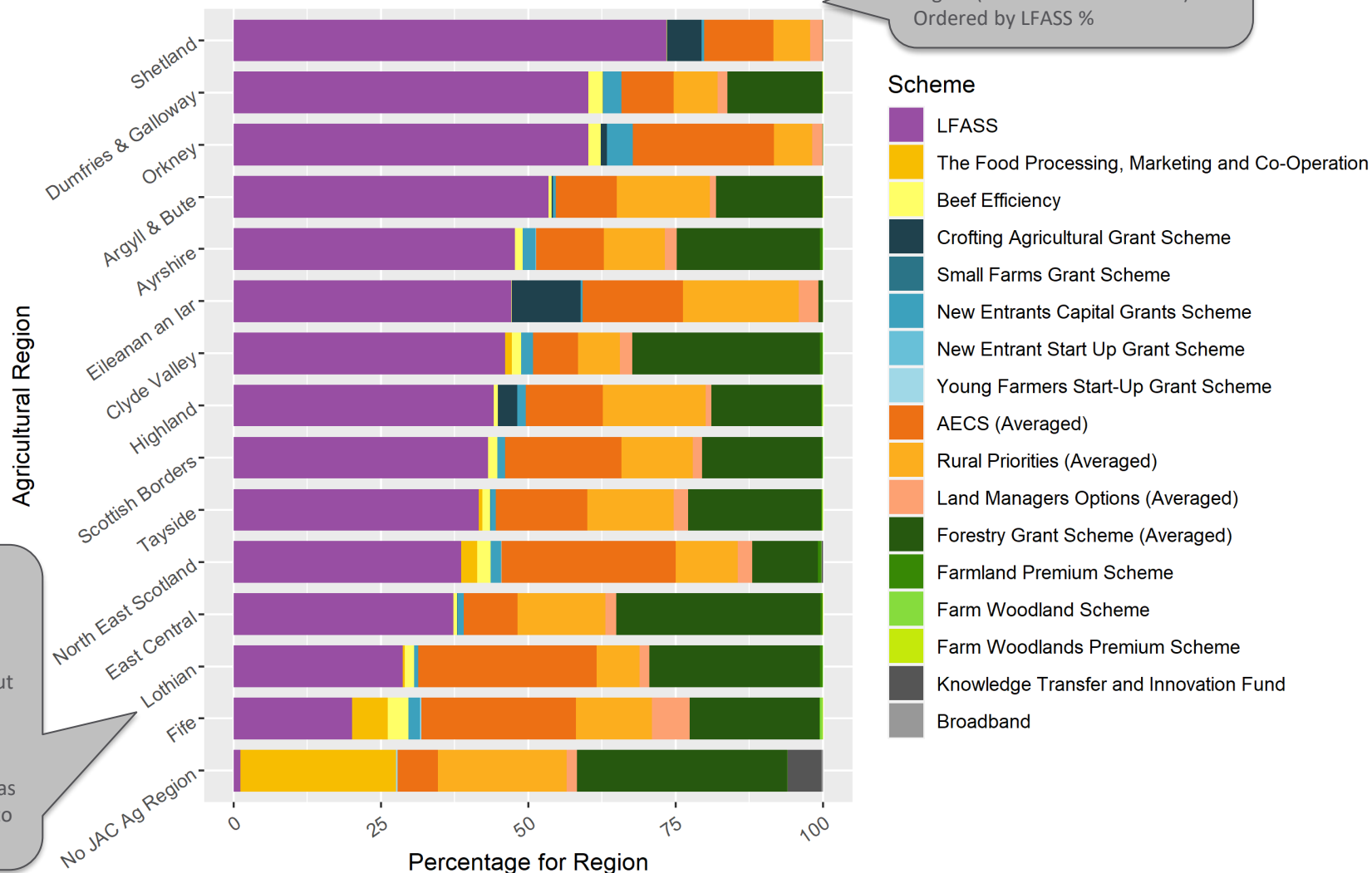


P2 – Ag Region %



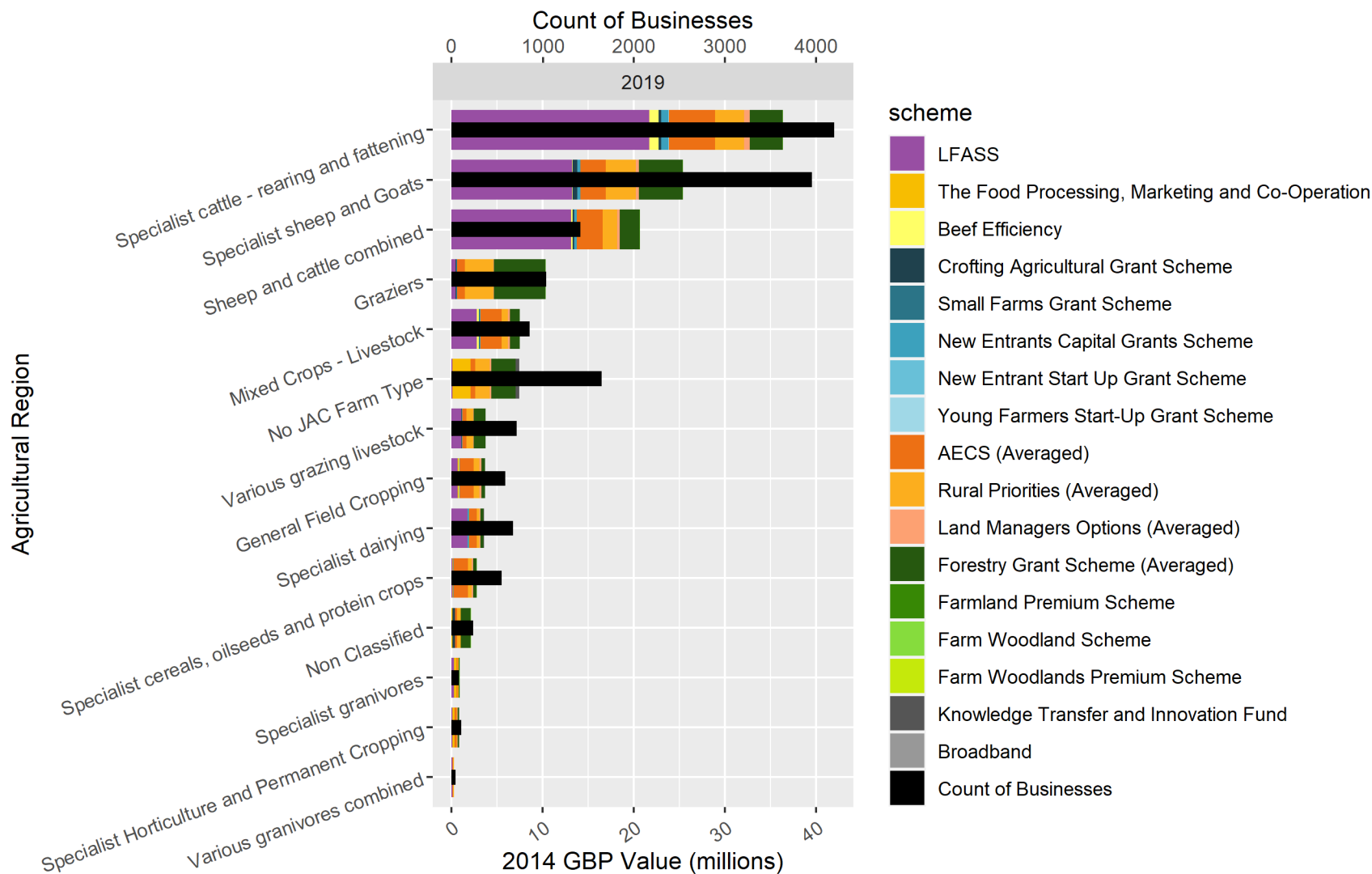
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To compare the mix of P2 schemes between regions – used percentage of total P2 spend per region (normalisation of areas). Ordered by LFASS %

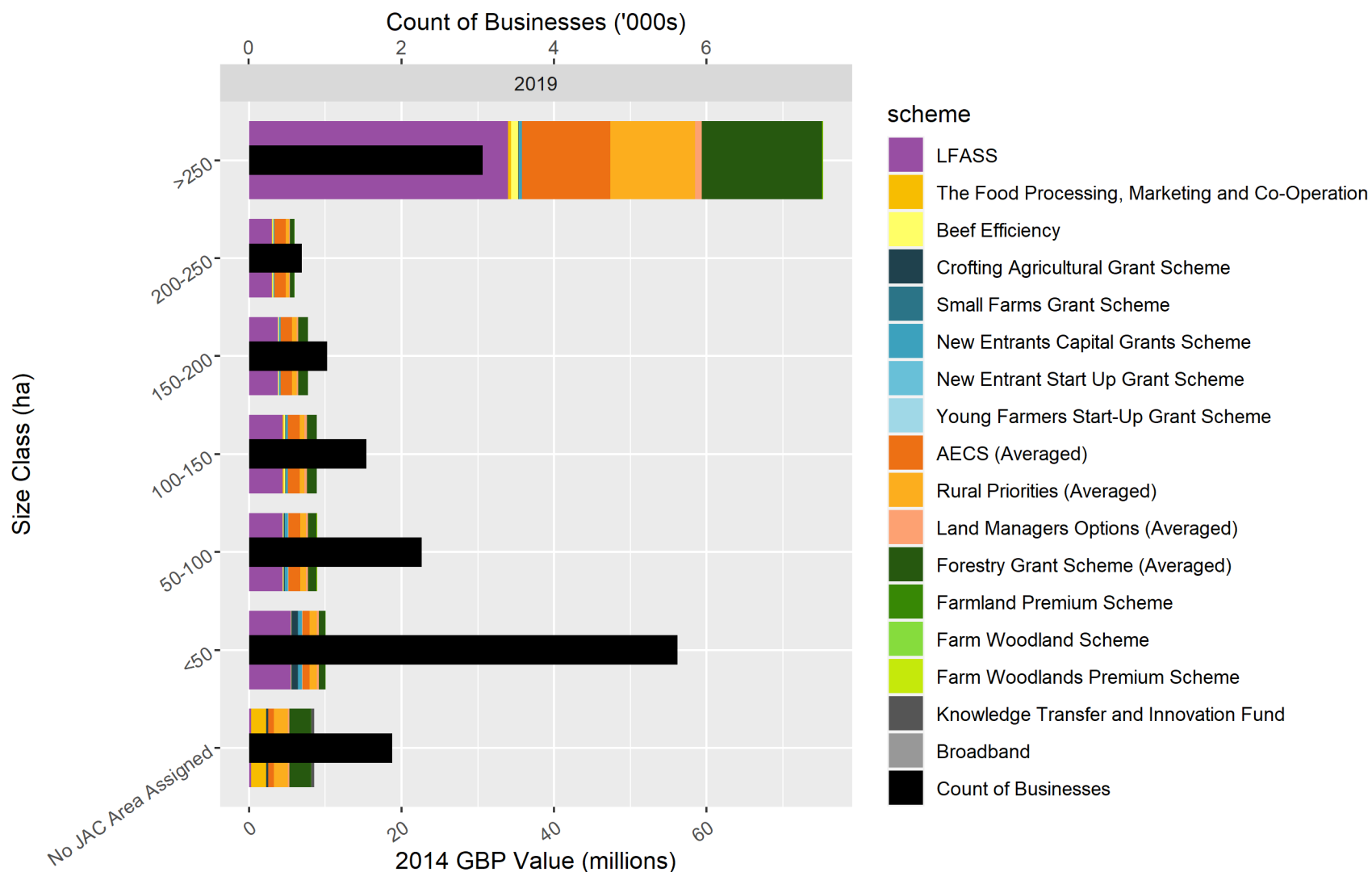


Contrasting example – Lothian low total spend in P2 (slide 11) but large percentage of the spend is AECS and FGS as low exposure to LFASS.

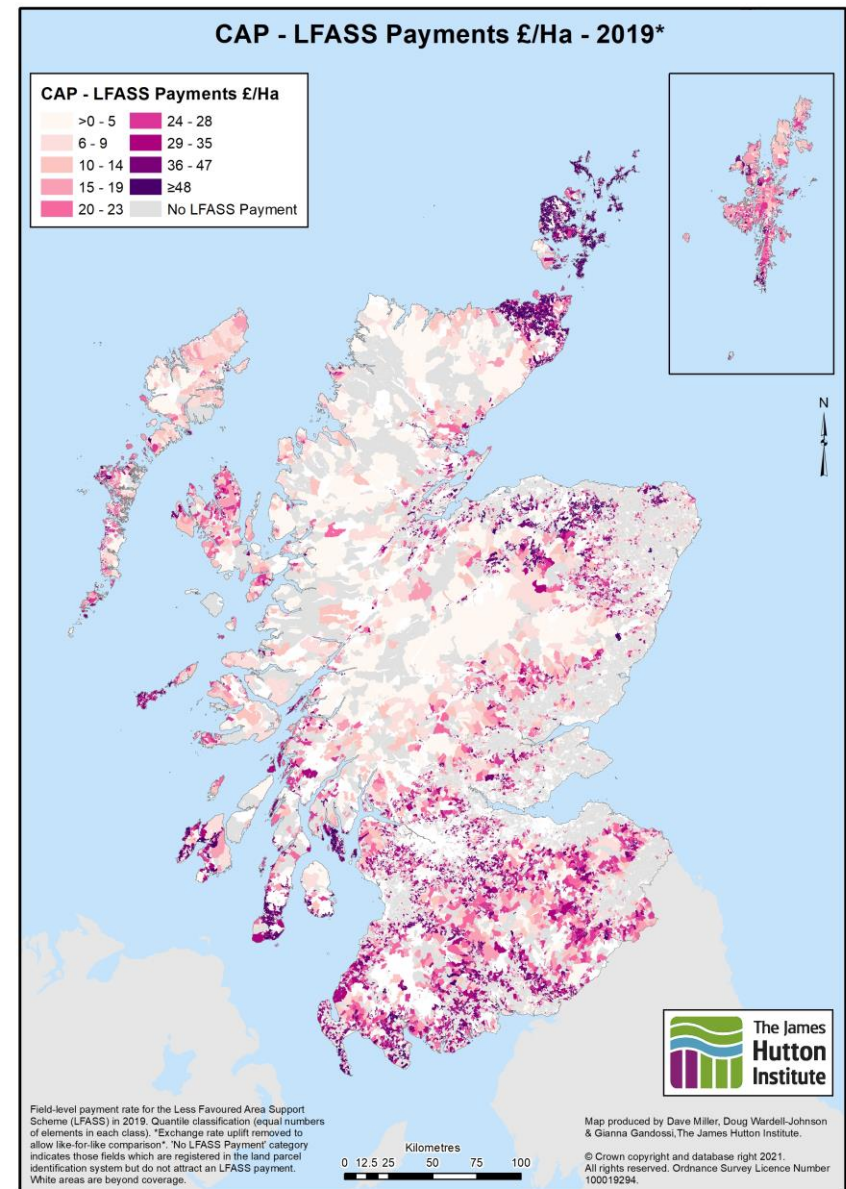
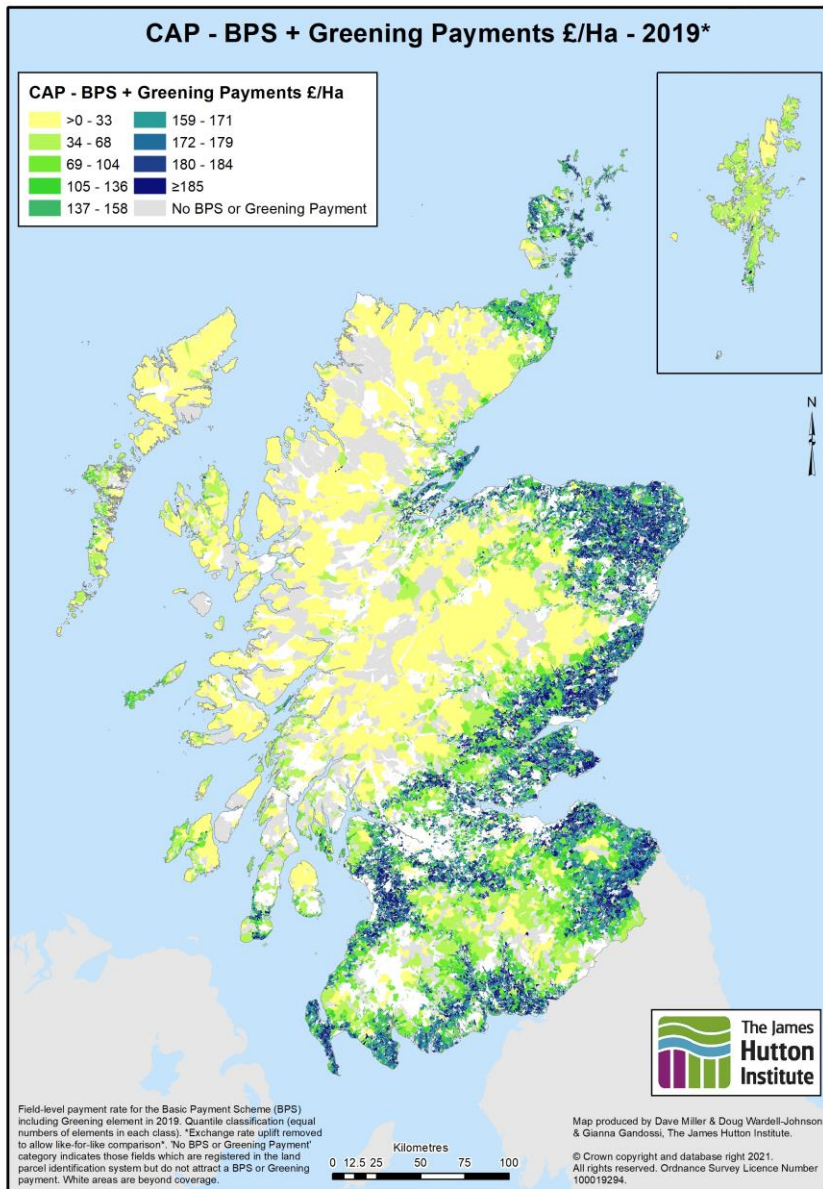
P2 – Farm Type



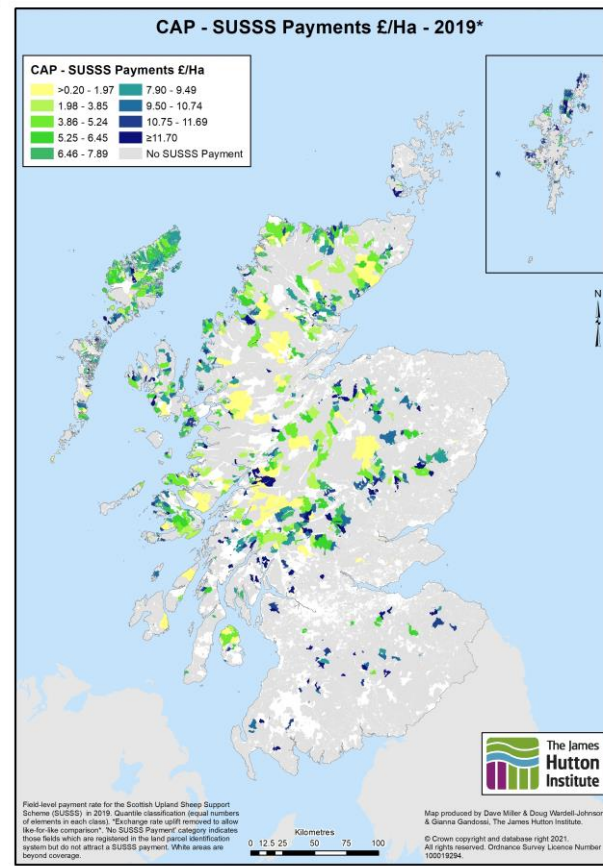
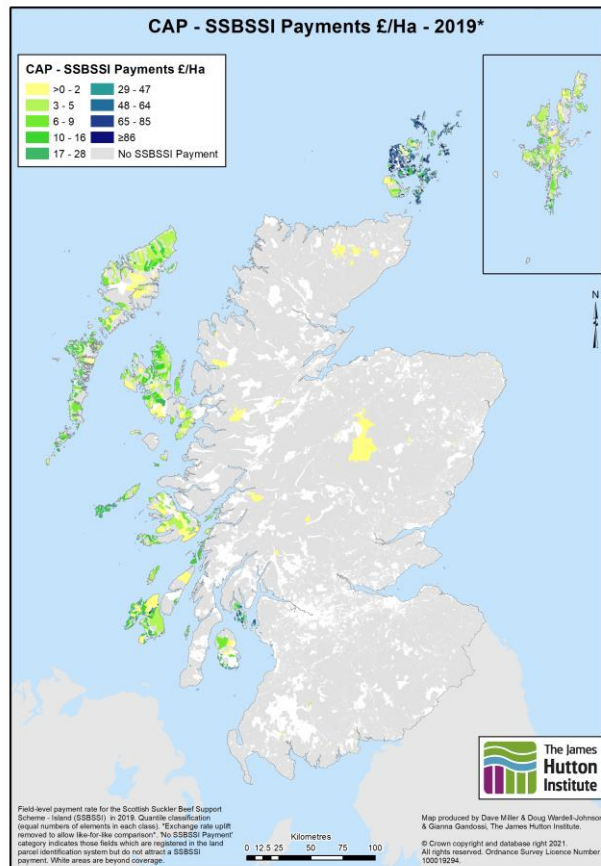
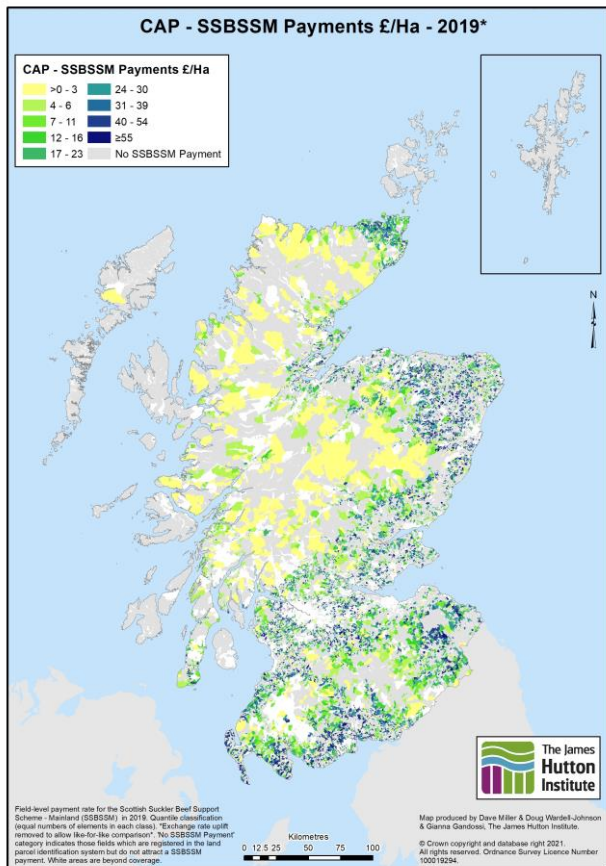
P2 – Size Class



Spatial distributions



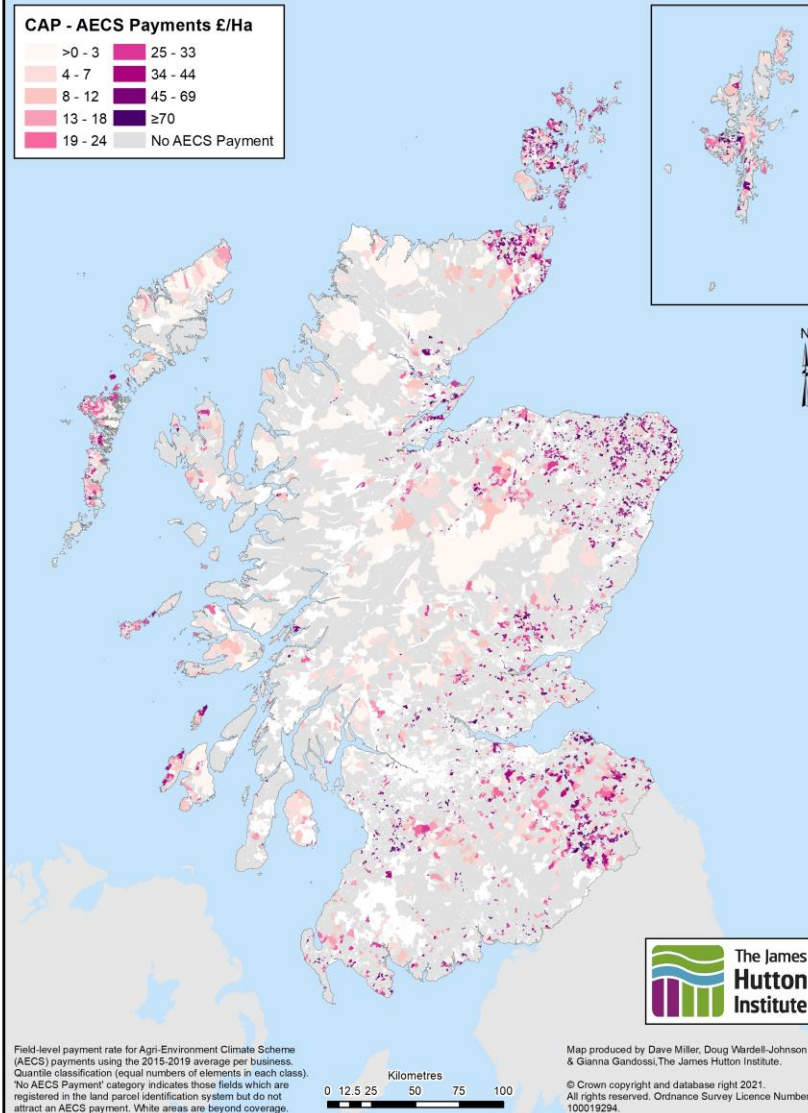
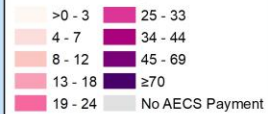
VCS maps



P2 maps

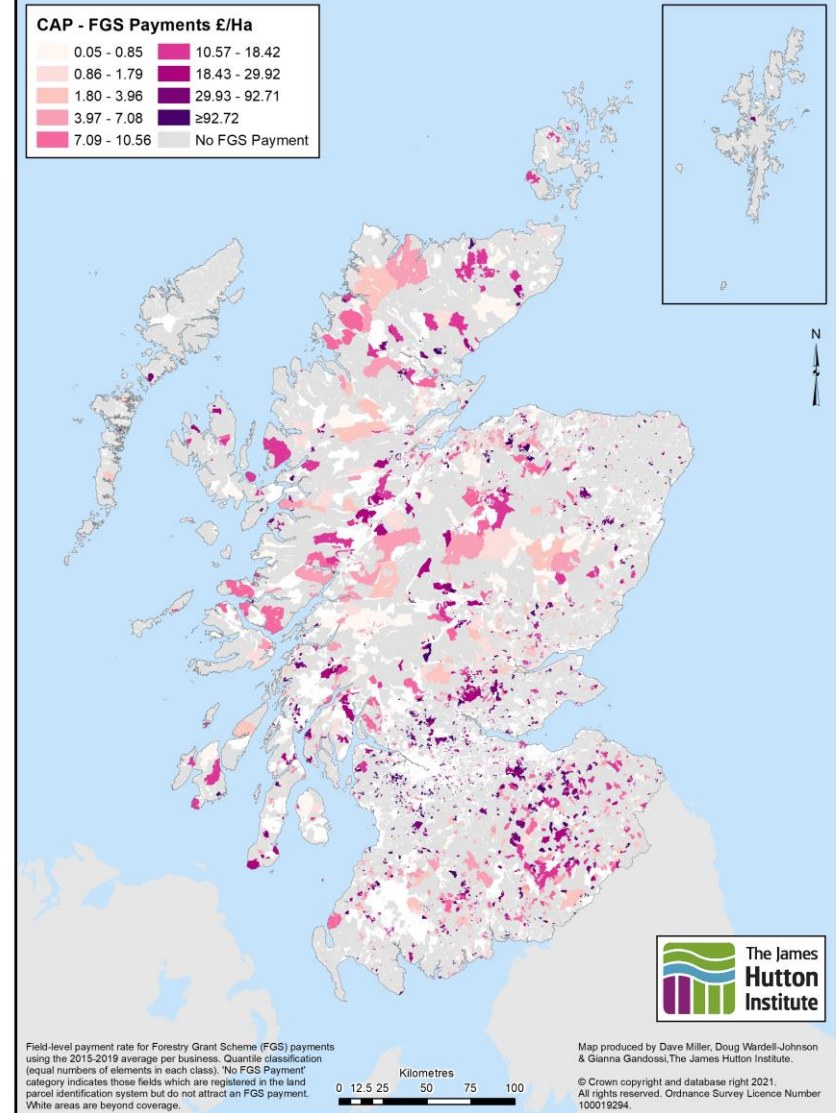
CAP - AECS Payments £/Ha - 2015-2019 Average

CAP - AECS Payments £/Ha

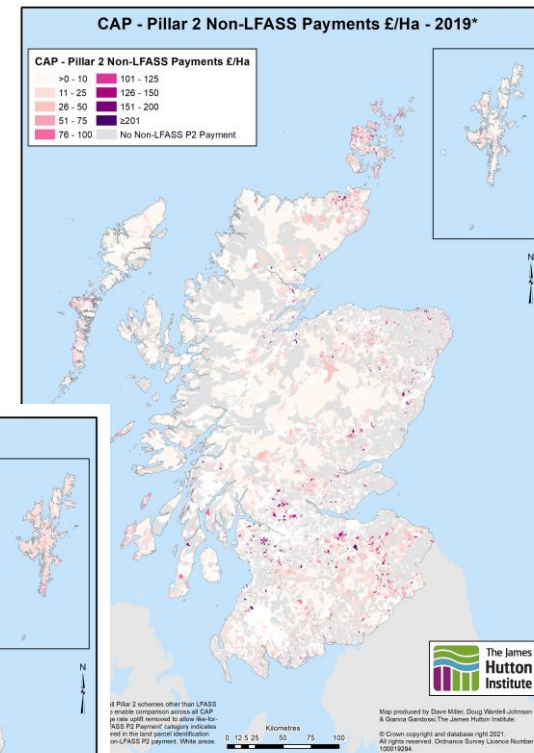
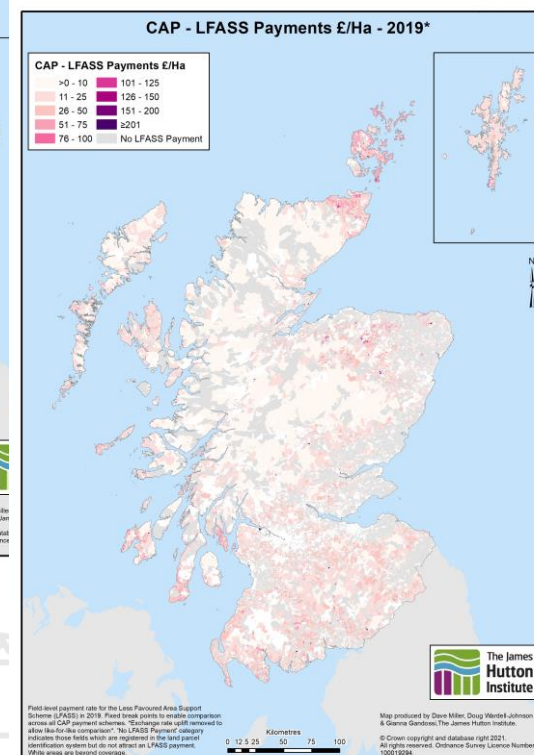
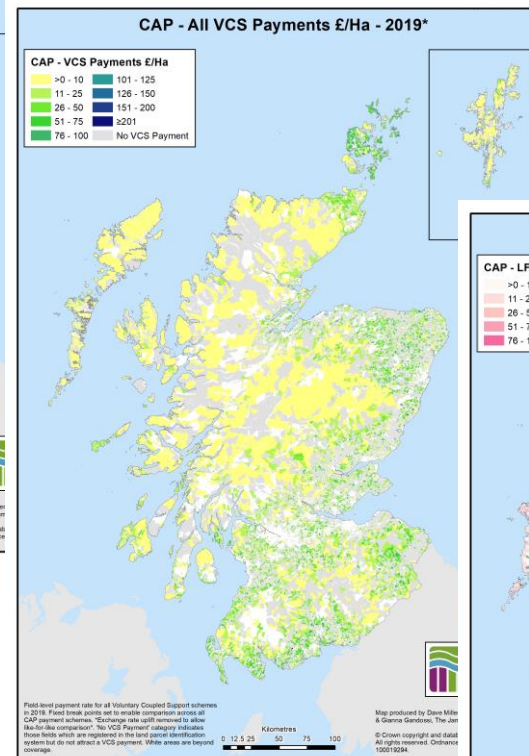
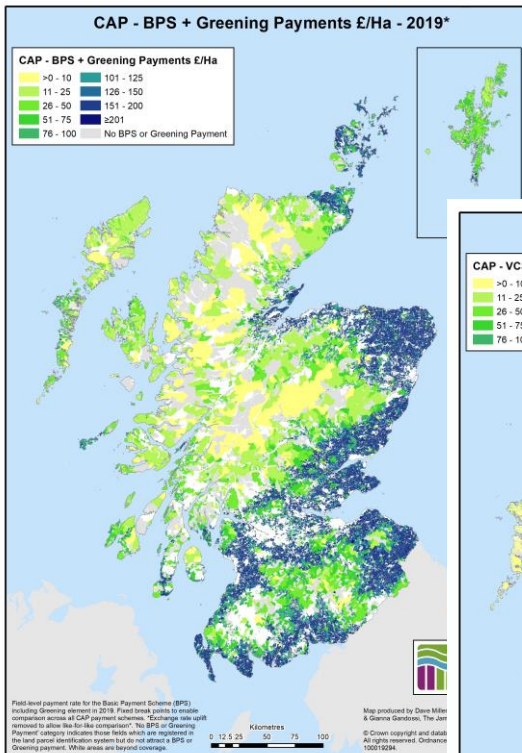


CAP - FGS Payments £/Ha - 2015-2019 Average

CAP - FGS Payments £/Ha



Comparing spend - maps



Range of Payments (P1) – Farm Type

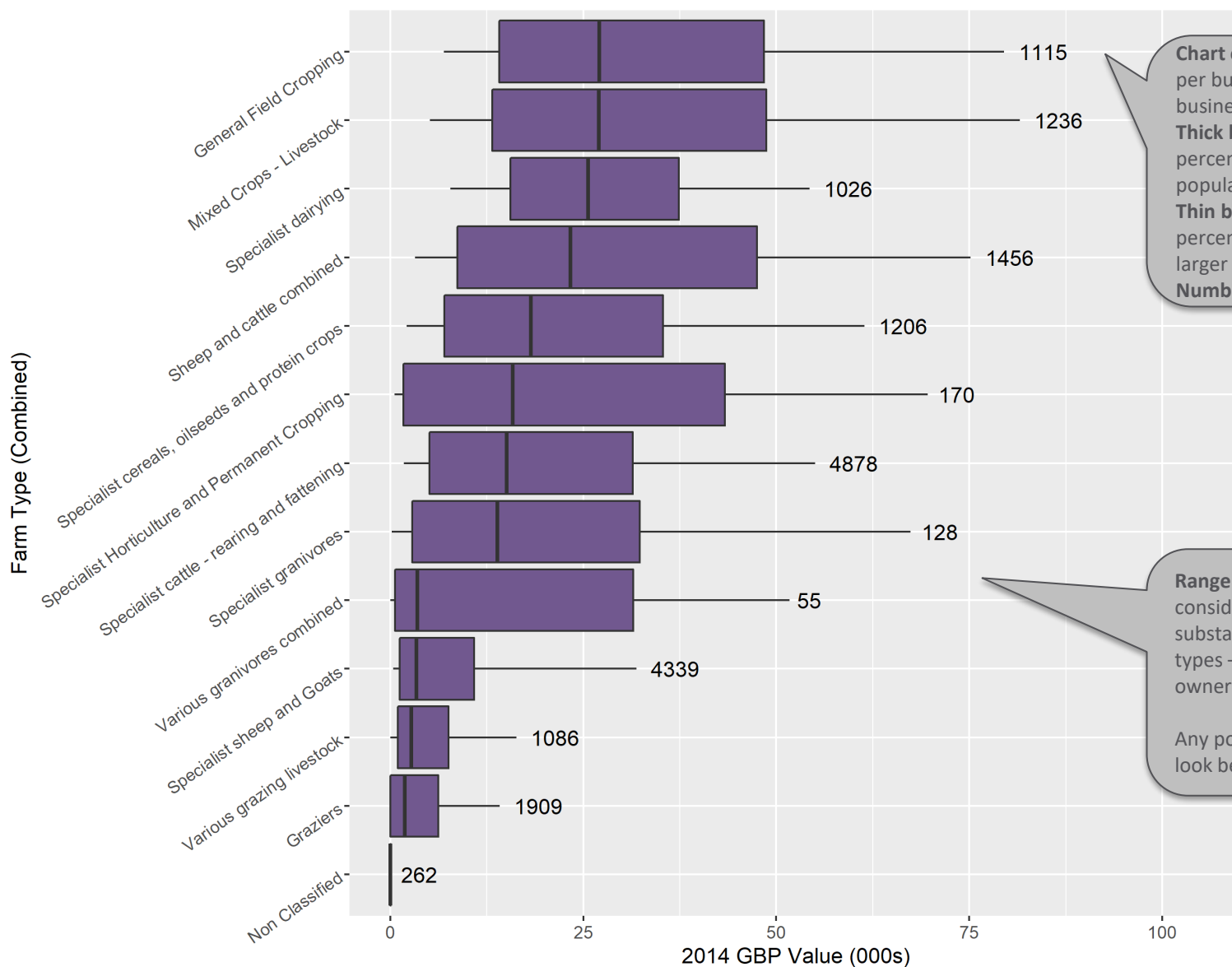


Chart ordered by median payment per business. Numbers of businesses noted.

Thick bars are between 25 and 75th percentiles so 50% of the population.

Thin bars are at 10th and 90th percentiles – so payments can be larger or smaller than this.

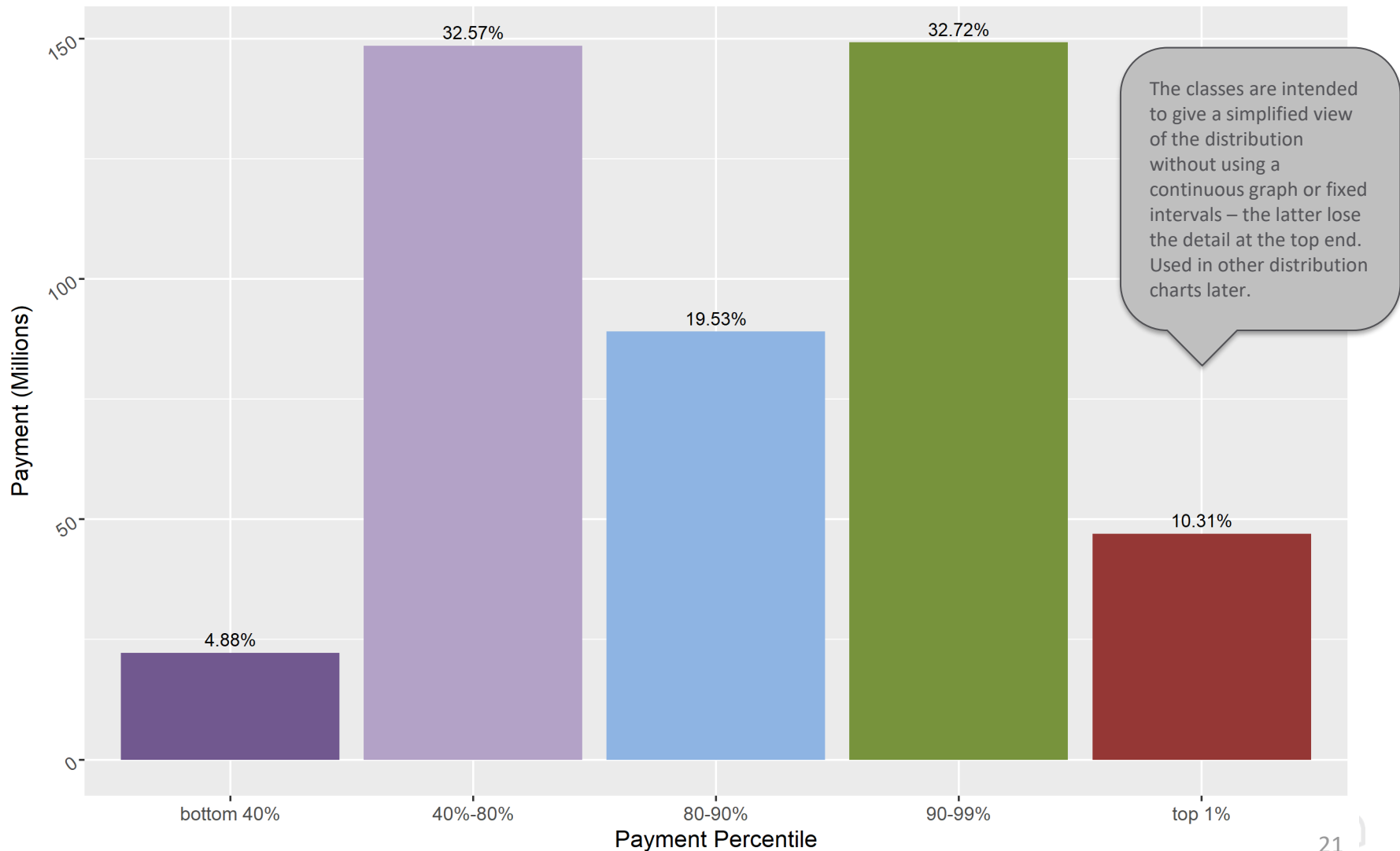
Numbers are counts of businesses.

Range of payments in all types is considerable. There are some substantial differences between types – reflecting biophysical and ownership/tenure differences.

Any policy consideration needs to look beyond “averages”.

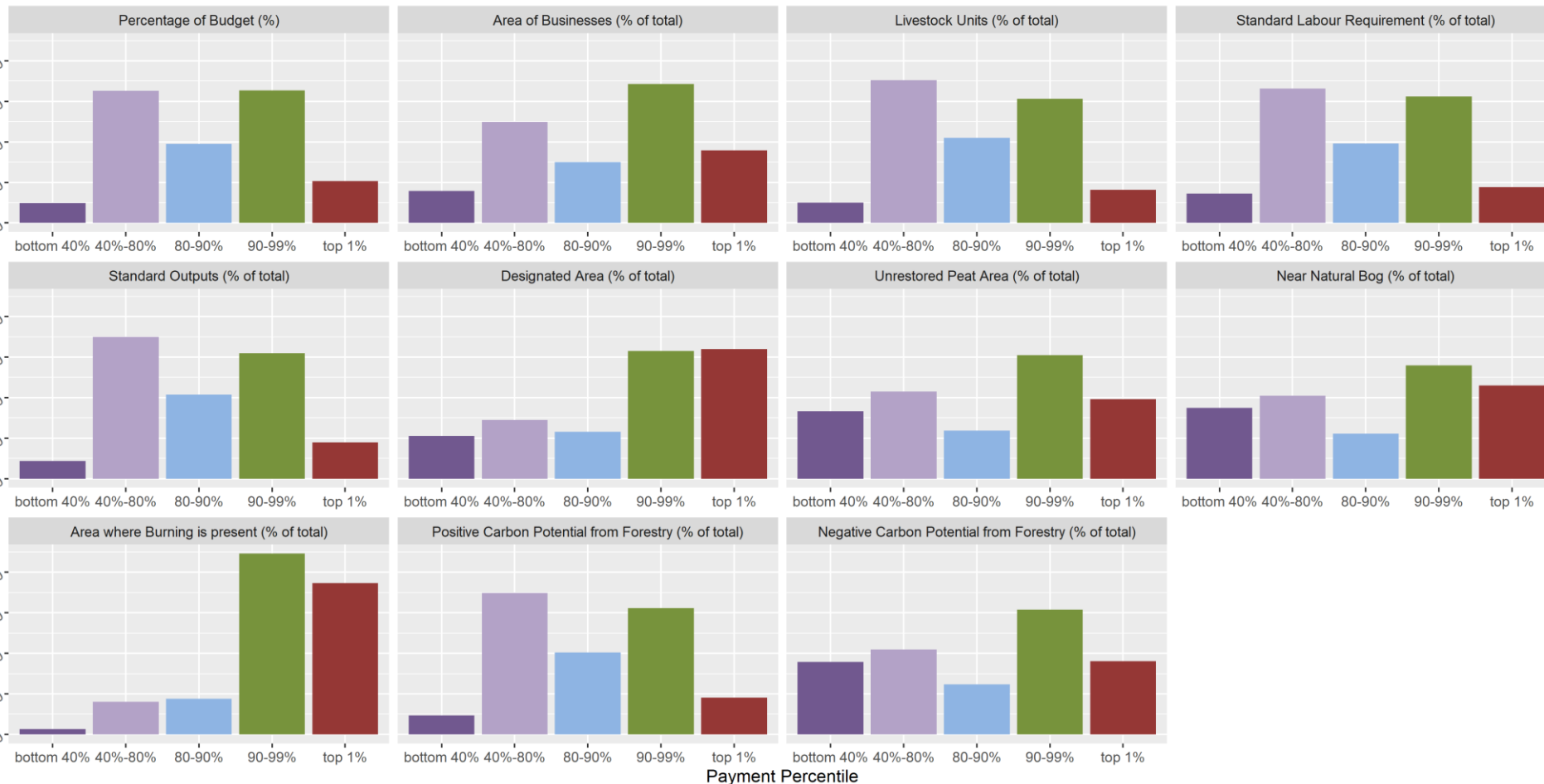


Distribution of payments - national



Associations with payments

Experimenting with the payments classification and what the mix of resources or outcomes is.

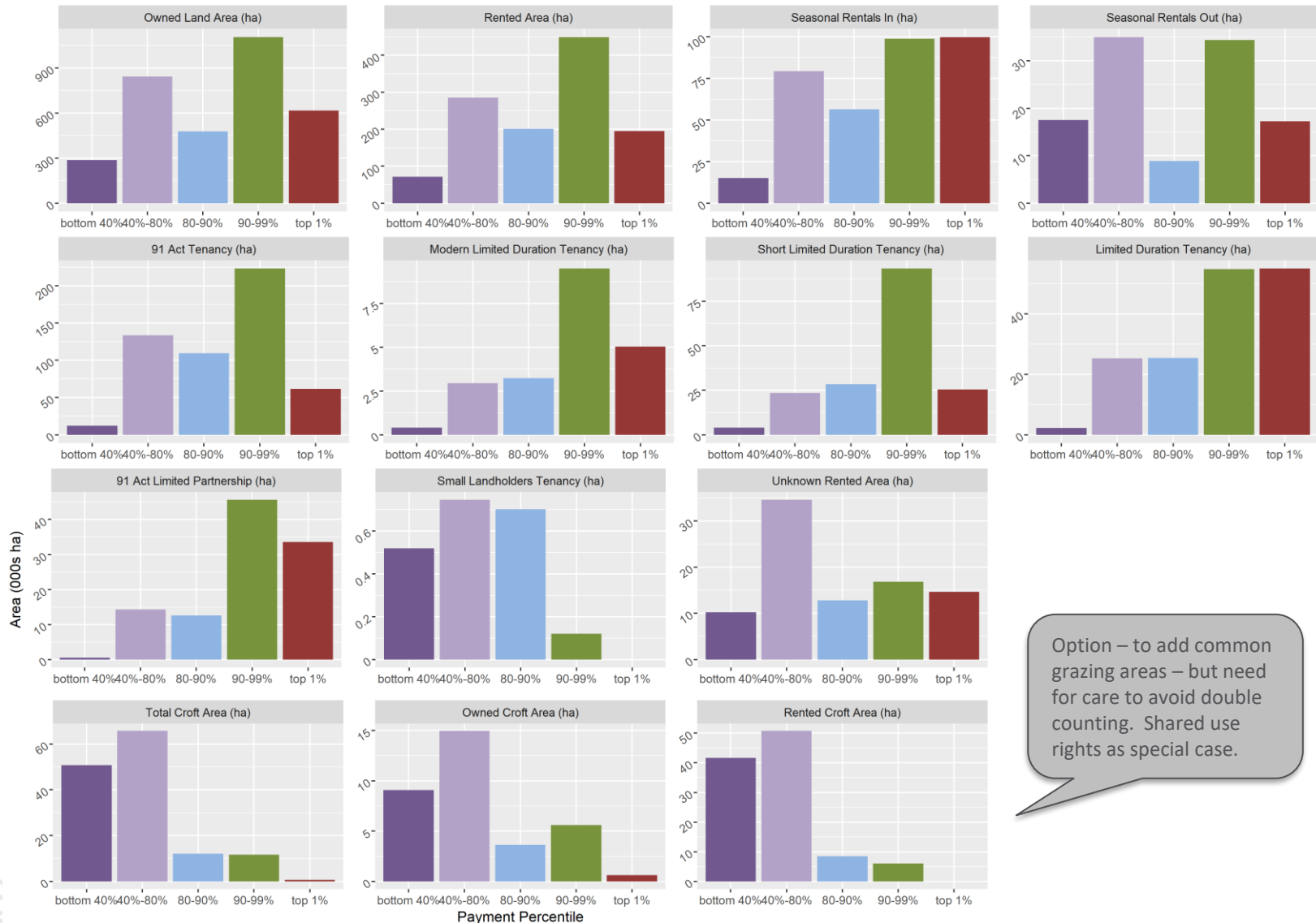


Deliberation comments – strong association with productions/incomes – SO, livestock, SLR (option for actual employment) – but contrast with other metrics.

Other options

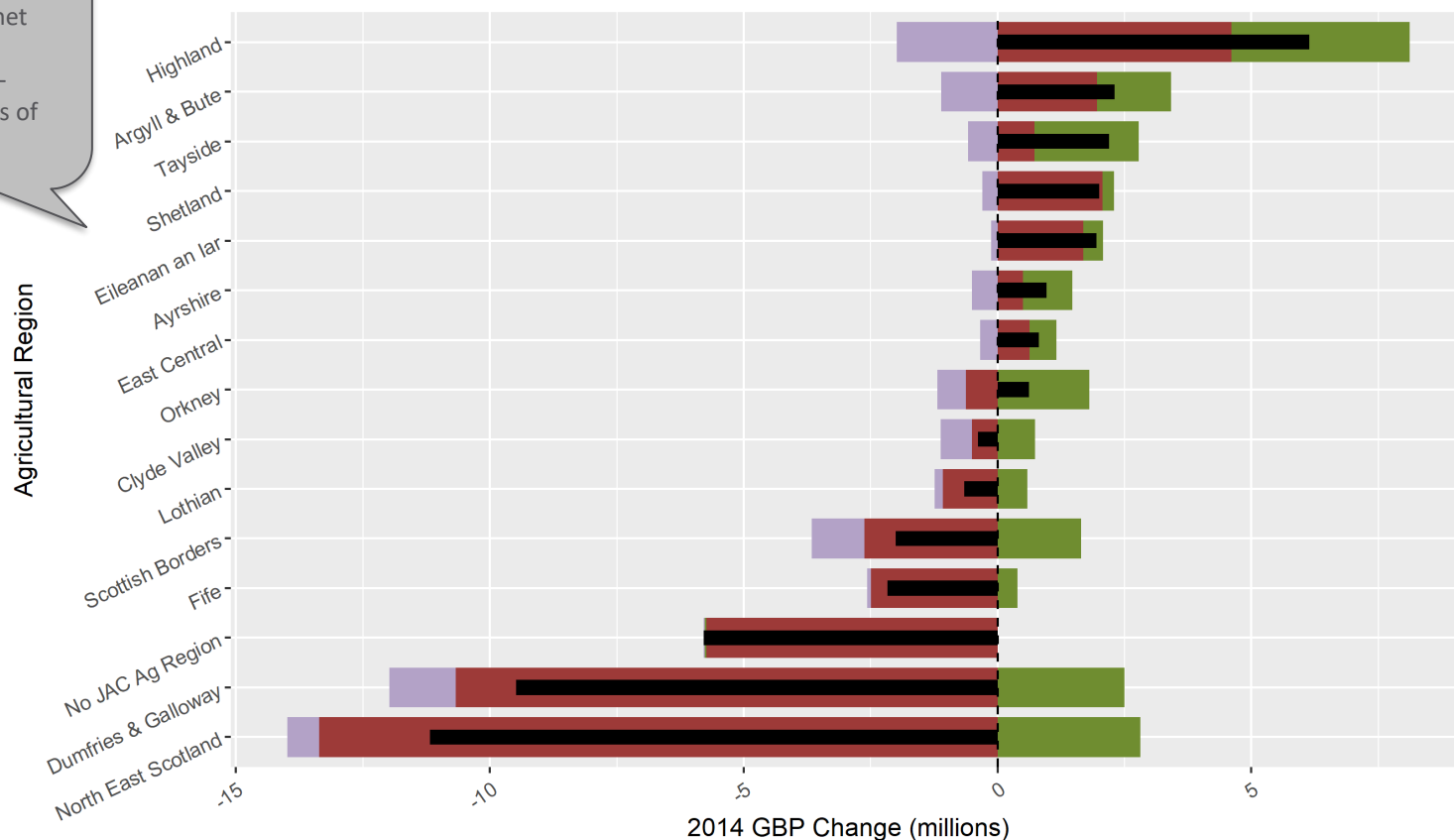
- Soil C – potential (actual)
- Measured or modelled environmental indicators

Associations with payments - Tenure



Net Change – Ag Region

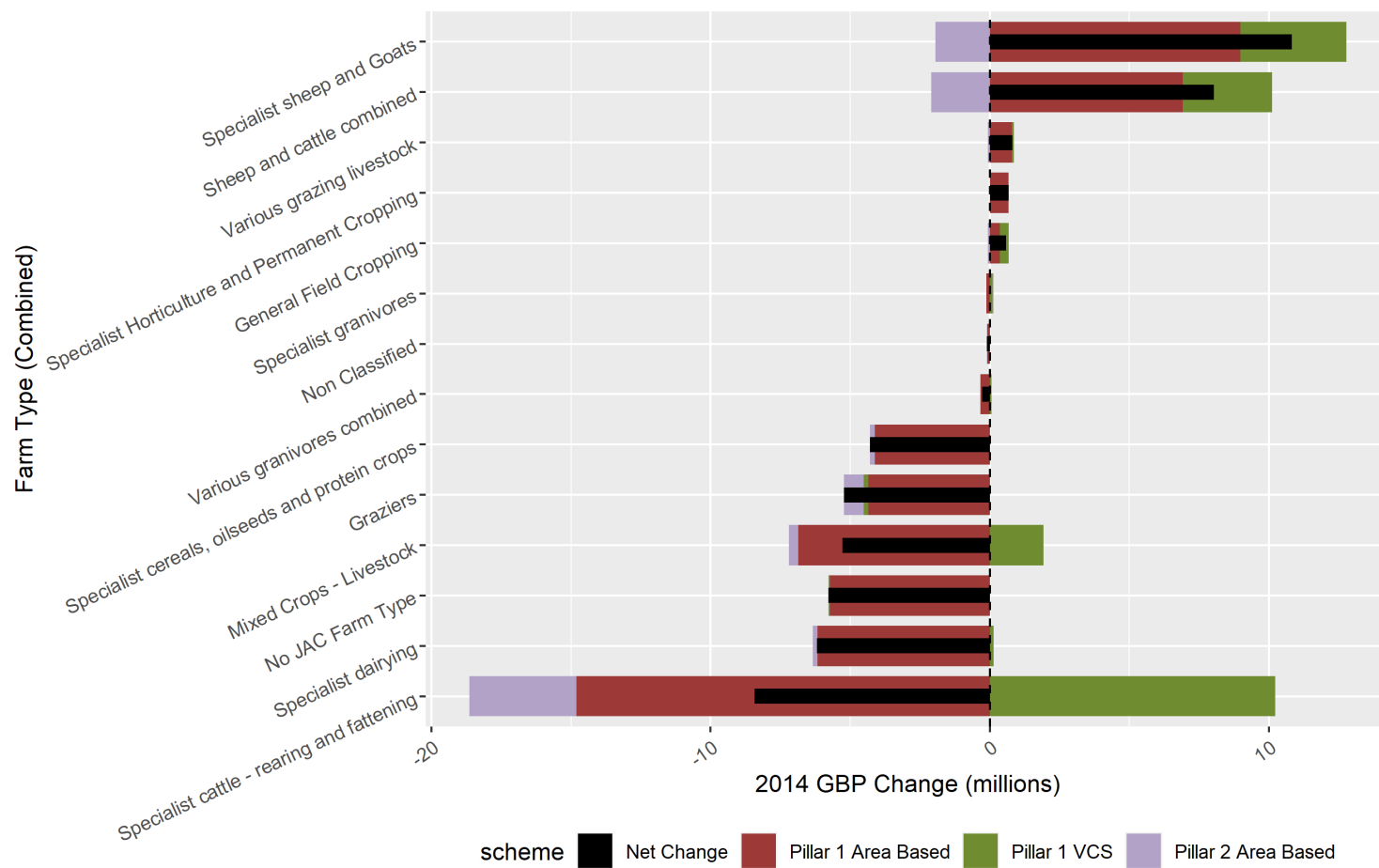
Change – net
2014 to 2019
Thin bar – net
change
Thick bars –
components of
change



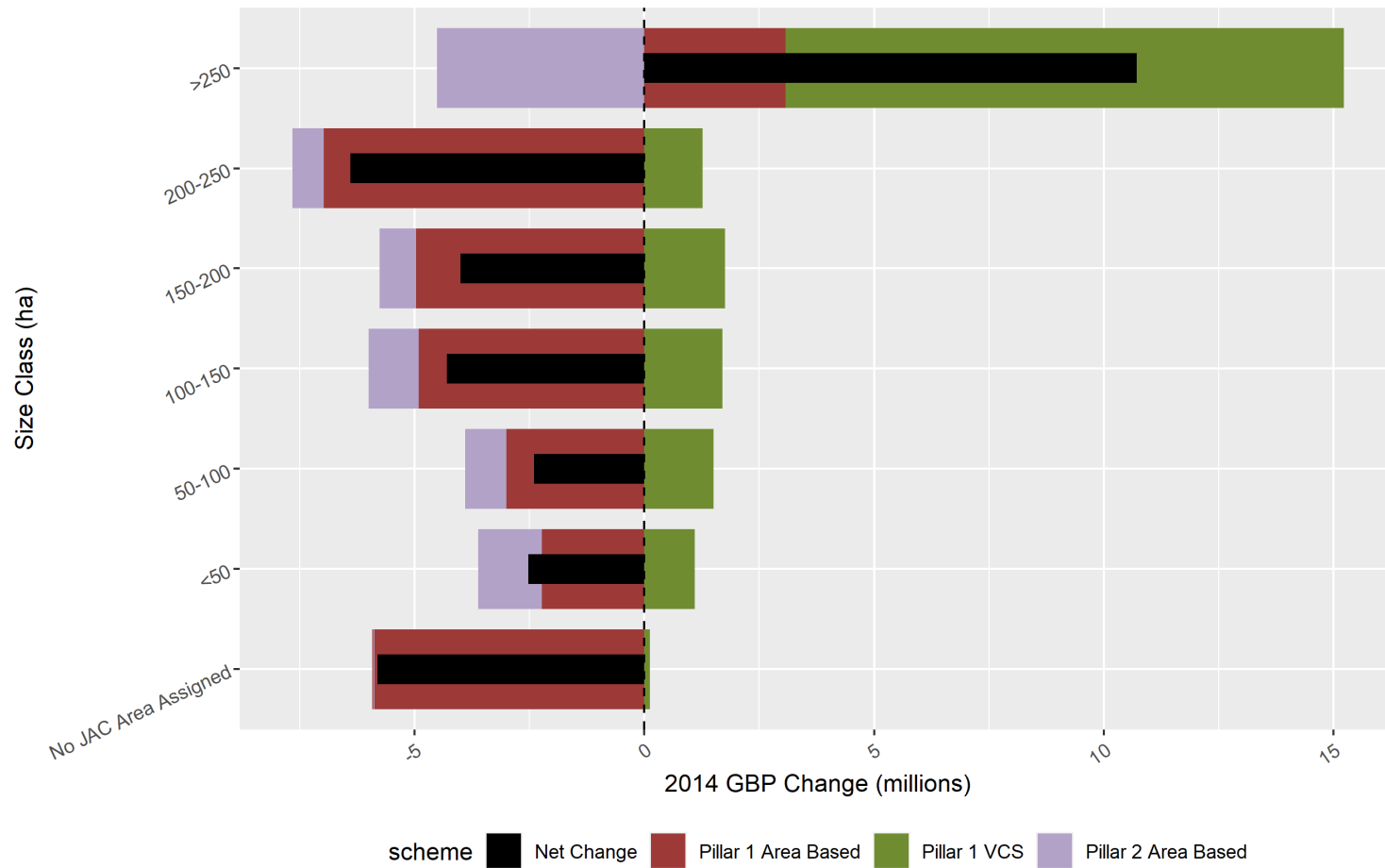
scheme Net Change Pillar 1 Area Based Pillar 1 VCS Pillar 2 Area Based



Net Change – Farm Type



Net Change – Size



P1 and LFASS 2014-2019 Redistribution - Ag Region

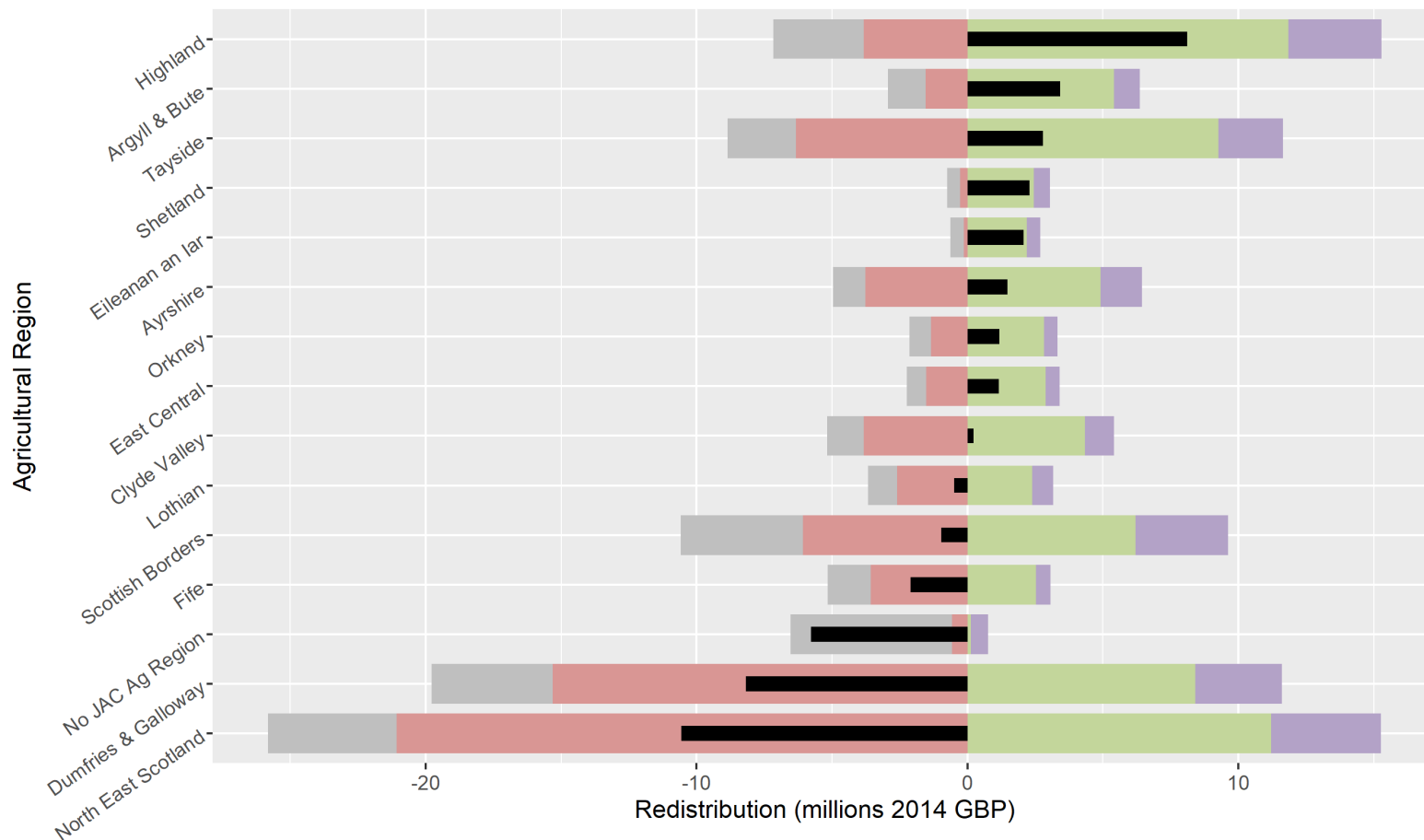
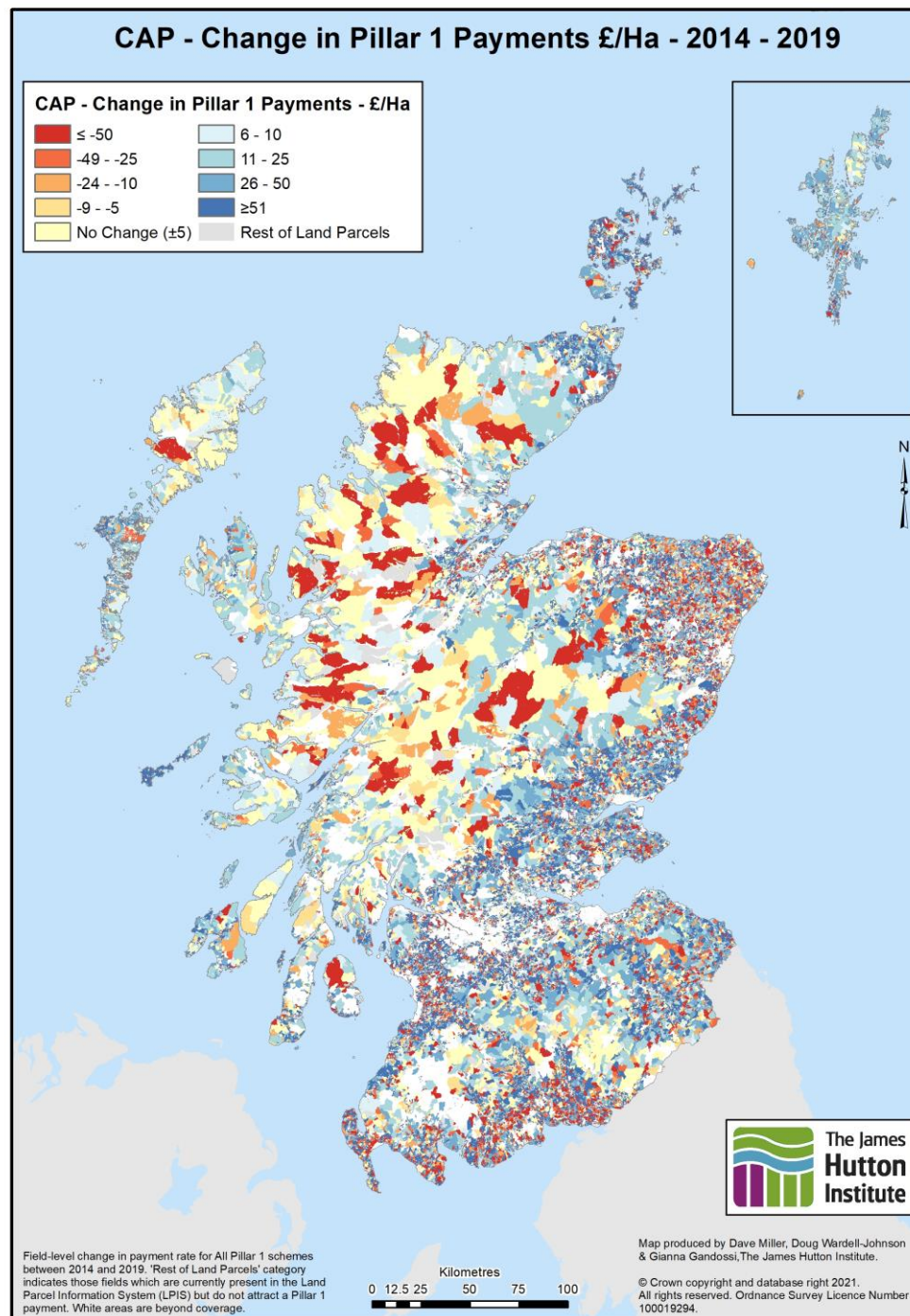


Chart highlights the redistribution within classes – the main effect of move from historic to area based payments.

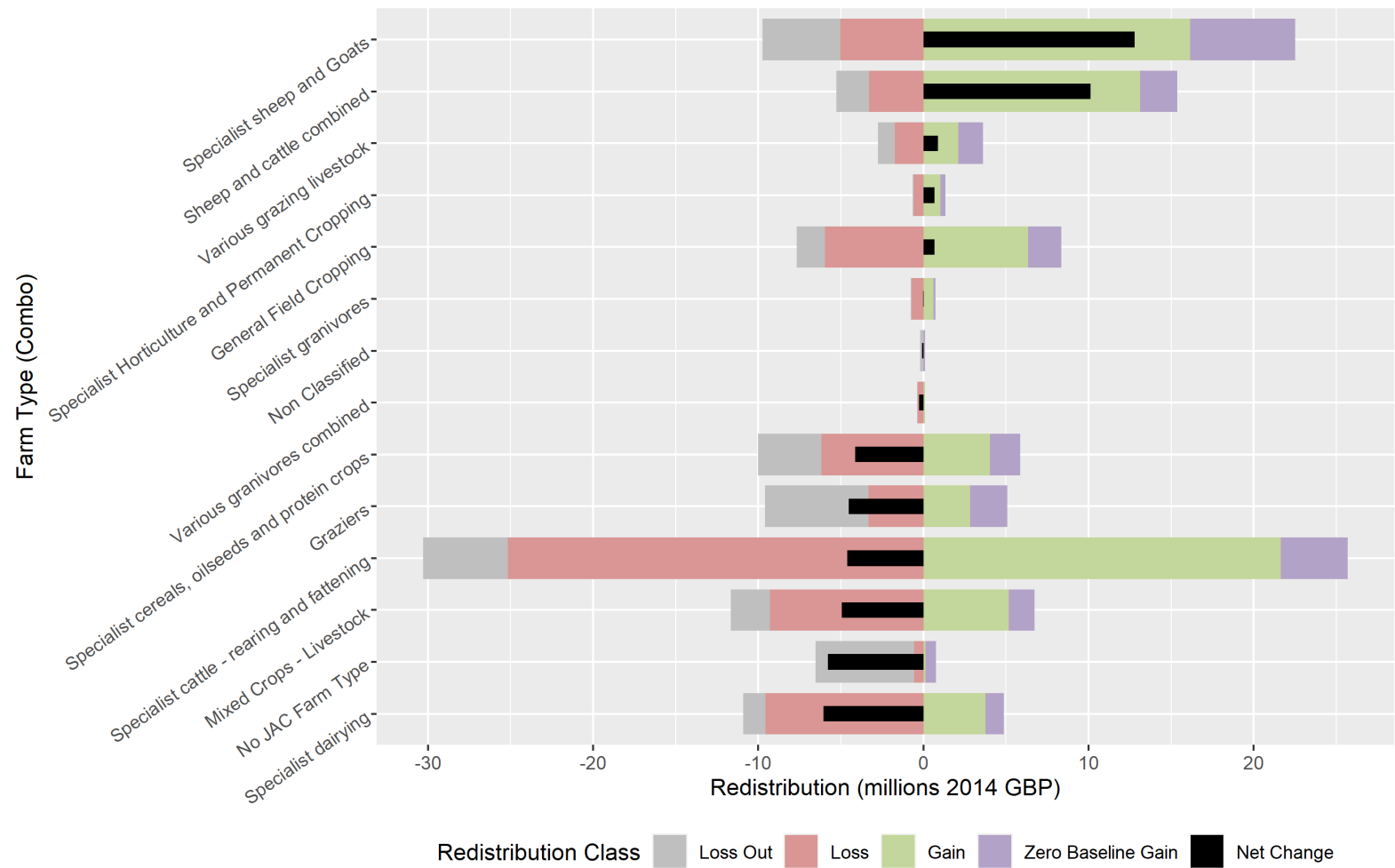
The Green and Red bars show the sum of gains and losses in payments.

The Grey and Purple bars show businesses that are no longer claiming (Loss Out) or are new claimants (Zero Baseline).

Mapping change



P1 and LFASS 2014-2019 Redistribution - Farm Type



Structural change – regions - %

- Percentage of the regional population of businesses

Count of businesses that:							
Ag Region	Left IACS	Decreased in area	Stayed about the same area	Increased in Area	Are new IACS business		
Fife	<div><div></div></div> 9%	<div><div></div></div> 10%	<div><div></div></div> 61%	<div><div></div></div> 11%	<div><div></div></div> 9%		
Clyde Valley	<div><div></div></div> 8%	<div><div></div></div> 9%	<div><div></div></div> 60%	<div><div></div></div> 9%	<div><div></div></div> 12%		
Dumfries & Galloway	<div><div></div></div> 8%	<div><div></div></div> 9%	<div><div></div></div> 59%	<div><div></div></div> 12%	<div><div></div></div> 11%		
North East Scotland	<div><div></div></div> 9%	<div><div></div></div> 9%	<div><div></div></div> 59%	<div><div></div></div> 11%	<div><div></div></div> 12%		
Shetland	<div><div></div></div> 18%	<div><div></div></div> 6%	<div><div></div></div> 58%	<div><div></div></div> 7%	<div><div></div></div> 10%		
East Central	<div><div></div></div> 10%	<div><div></div></div> 9%	<div><div></div></div> 57%	<div><div></div></div> 10%	<div><div></div></div> 14%		
Highland	<div><div></div></div> 14%	<div><div></div></div> 6%	<div><div></div></div> 56%	<div><div></div></div> 7%	<div><div></div></div> 15%		
Ayrshire	<div><div></div></div> 8%	<div><div></div></div> 11%	<div><div></div></div> 56%	<div><div></div></div> 10%	<div><div></div></div> 14%		
Argyll & Bute	<div><div></div></div> 11%	<div><div></div></div> 10%	<div><div></div></div> 56%	<div><div></div></div> 8%	<div><div></div></div> 14%		
Scottish Borders	<div><div></div></div> 8%	<div><div></div></div> 12%	<div><div></div></div> 55%	<div><div></div></div> 11%	<div><div></div></div> 13%		
Orkney	<div><div></div></div> 14%	<div><div></div></div> 8%	<div><div></div></div> 55%	<div><div></div></div> 13%	<div><div></div></div> 10%		
Tayside	<div><div></div></div> 9%	<div><div></div></div> 11%	<div><div></div></div> 55%	<div><div></div></div> 12%	<div><div></div></div> 12%		
Eileanan an Iar	<div><div></div></div> 22%	<div><div></div></div> 2%	<div><div></div></div> 54%	<div><div></div></div> 5%	<div><div></div></div> 12%		
Lothian	<div><div></div></div> 9%	<div><div></div></div> 13%	<div><div></div></div> 53%	<div><div></div></div> 10%	<div><div></div></div> 14%		
All Regions	12%	8%	57%	9%	13%		

+/- 5 ha defined as “about the same” – potential to be more sophisticated by including % change in area threshold..



Significance of change?

Businesses gaining or zero baseline:	Commentary on the indicator
have 65% of BPS area;	A measure of the share of land available for use.
are 52% of businesses;	Basic measure of number of entities affected.
have 56% of standard labour requirements;	An alternative measure of activity, potential employment*
generate 52% of standard outputs;	A measure of production activity in terms of cash value of outputs*.
manage 52% of all livestock units.	An alternative measure of activity, livestock specific.

*Need to include “value” of non-market goods – e.g. peatland restored, even if only for employment potential (SLR).



Beyond the ARD stakeholders analysis

- Other relevant research
 - Areas of Natural Constraint
 - Mapping of biophysical constraints
 - Systems of payments – regions, capping, degressivity etc
 - Socio-economic Performance
 - Regional mapping of multiple indices (data zones)
 - New geographies of where rural development may be need to be targeted
 - Peatland extent, conditions and management (burning)
 - Carbon storage from afforestation – online mapping and paper
- Next RESAS Strategic Research Programme – 2022-27 – e.g. projects in the Land Use (C3) and Land Reform (E3) Topics.



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The full set of slides and map books generated by this analysis available from -
<https://ics.hutton.ac.uk/research/land-systems-research-team/cap-analysis/>

Previous related analyses are also available from the Hutton Land Systems Research Team website - <https://ics.hutton.ac.uk/research/land-systems-research-team/>

[Socio-economic performance](#) (SEP) mapping courtesy of Jon Hopkins.

Further research in the RESAS Strategic Research Programme 2022-27, in the Land Use (C3) and Land Reform (E3) Topics and others across the SRP Themes.

The James Hutton Institute is supported by the Scottish Government's Rural and Environment Science and Analytical Services Division (RESAS)



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