

Challenges and opportunities for remote and fragile areas: setting the scene

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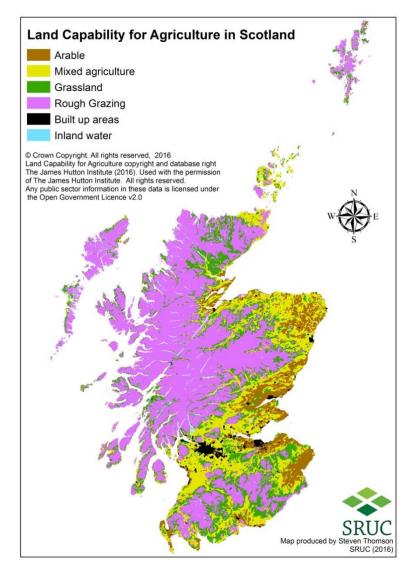
Leading the way in Agriculture and Rural Research, Education and Consulting

Constrained Farming Systems



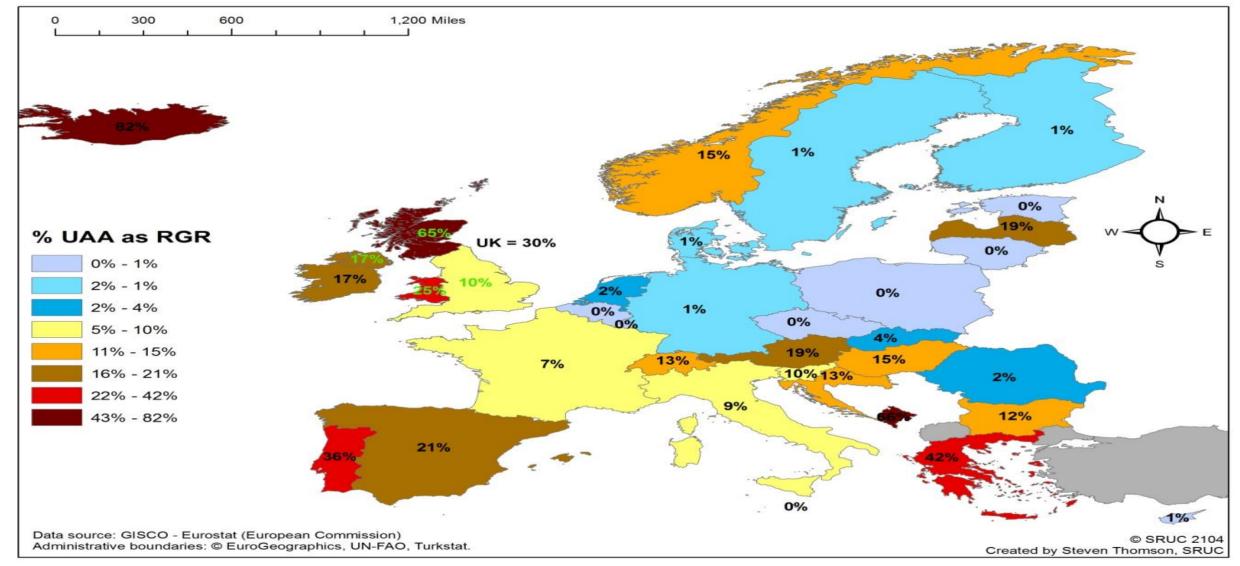
- Significantly constrained by poor land (85% classed as Less Favoured Area)
- About 54,000 agricultural holdings in Scotland covering 5.7 million ha
- Around 20,000 farm businesses claiming direct CAP support
- Around 19,400 registered crofts

 (about 13,000 crofters) with about
 1,100 common grazings
 (covering 584,000 ha = 10% of UAA)





Scotland & Rough Grazing



Range of agricultural production challenges



- Low productivity
- Poor nutrition
- Pests and Disease
- Climate change
- Predation

Low lambing percentages in spring

and/or

Low survival of lambs through to autumn













Who are Scotland's hill farmers and crofters?:



They are the managers of nearly 70% of Scotland's agricultural land.
As such they have a key role to play:

- In maintaining food production
- In managing the wide variety of habitats and species occurring on that agricultural land
 - In providing a wide range of other public benefits to society

What are the tools in the hill farming box?



Inbye grasslands

- Soil pH and nutrients
- GHG emissions
- Grassland management
- Forage & fodder improvements

Hill grazing

- Bracken control
- Improving hill parks

Sheep Performance

- Genetic selections
- Blackface and Lleyn

Flock Performance

- EID associated kit
- TST worming of lambs
- Comparison of system trade-offs

Auchtertyre flock

- Restocking
- Blackloss
- Yellowses/Plochteach

Technology

- Virtual fencing
- Drones for assessments

LoRa network

Tracking livestock

Systems approach to Sensors Precision Livestock Farming

PLUS:

- Diversification
- Integration of woodland
- Agri-environment rewards









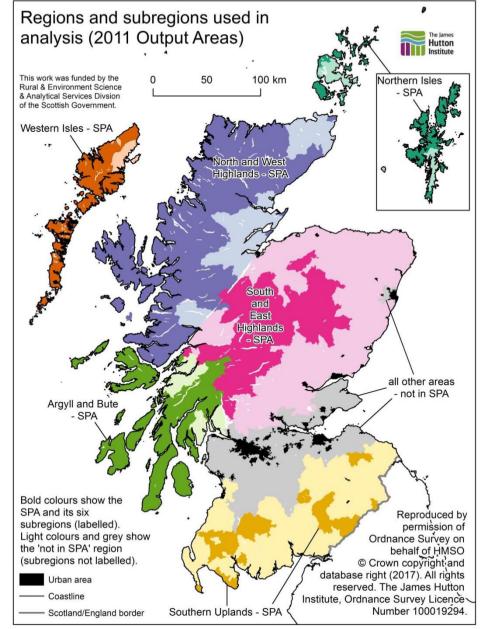




Sparsely Populated Areas of Scotland

http://www.hutton.ac.uk/research/projects/demographic-change-remote-areas





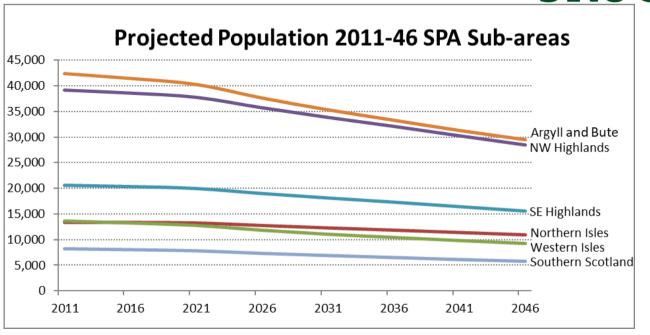


Table 4: Annual Net Migration Requirement required to halt shrinkage in the SPA and Sub-Regions 2016-2046 (persons)

	2011-15	2016-20	2021-25	2026-30	2031-35	2036-40	2041-46
				Persons			
Northern Isles	5	21	95	87	78	85	86
Western Isles	65	77	157	125	96	97	95
NW Highlands	112	151	374	333	304	333	335
SE Highlands	54	73	184	158	147	161	163
Argyll and Bute	159	189	445	357	308	308	276
Southern Uplands	37	42	93	77	71	74	66
Scottish SPA	432	553	1,348	1,137	1,005	1,058	1,021

Upland conversations



News 3

THE PRESS AND JOURNAL Montay January 21, 3000

Issues affecting viability of hill farming sought

Events: Three workshops to identify ways forward



In his monthly column, SRUC's Professor Davy McCracken says co-operation is critical in assessing and addressing hill farming problems

potential high-level changes - such as access to international markets future Less Ecoured Area Supposet Scheme neversents are not easily infloenced. by individual hill farmers and crofters.

But there are other challenges - such as improving livestock productivity, identifying grassland mixes better suited to the environment or marketing livestock products locally - which are more within any

Many of these challenges are likely to be similar across the uplands of Scotland, but the importance of any one issue is likely to vary from area

Differences in climate, any individual issue. landscape and access to

Change is always markets also mean that the solutions appropriate for any one issue may differ markedly from one part of unland Scotland to another

addressing some of these lumes can pevolve around knowing what options may he available levelly what

"There can certainly be strength in numbers"

tried by someone else or how best to implement a change on the individual

However, a problem shared is a problem halved and there can certainly be strength in numbers in trying to identify and tackle

To this end, I am

Farming THE PRESS AND JOURNAL

Hill farm and conservation interests 'must speak as one'



The meeting heard that a lot of demands are already being placed on farmers in hill and upland areas

The need for Scotland's hill farming and conservation interests to speak with a main conclusion to emerge conservation, is to work from the launch this week - together to address these and unland debates

Conservation and sustainable long term. farming representatives meeting at Lurgan Form near Aberfeldy kicked off the seven-event series with an assessment of what hill and upland farming is delivering for the economy environment and society. followed by a discussion on what policy and support are eventually decided changes may be needed to should be achieved by the help both sides achieve hills and upland, whether

head of integrated land

basis to meeting a wide with the prospect of Big Weekend on May 10.

requirements, such as in the future, depending restoring peatlands and what happens with Brexit. planting trees.

"We don't have any one body which speaks

"Whatever outcomes "There are an awful lot of or both, it's clear that the and what these areas can demands being placed on management of this mix achieve in the future then hill and upland areas," said will be absolutely vital we need to start speaking

The Lurgan meeting which funded the meeting. discussion and concern "Common asks range about the fact that upland

"If for example, we lose "common voice" was the both sides, farming and farmers and crofters in the months and years ahead. of a UK-wide series of hill various outcomes and to have any influence on to do so in a way that is how these large areas of Scotland are farmed and managed," said Prof McCenekon

> "Ironically although the areas we're talking about account for about 70% of our total land area, we don't have any one body which speaks for both sides of the land use debute

"If we're to get policy makers and the wider public to understand what hill farmers are already doing

from producing food and hill farming systems. Scottish event held as part on a purely agricultural are already very fragile. of the Cairogorms Nature:













Hill Farming & Crofting – Drivers need to link for success



@Steven Thomson SRUC





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- Defra under the ERA-NET SusAn (Sustainable Animal Production) Programme
- Global Food Security's 'Resilience of the UK Food System Programme', with support from BBSRC, ESRC, NERC and Scottish Government.













Innovation = Doing Things Differently













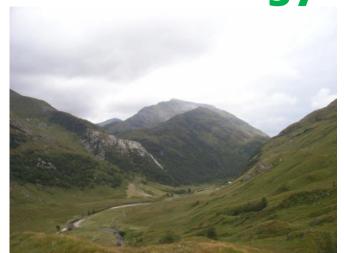








Engineering & Technology



Knowledge Transfer











