

Value Chain Analysis – Speyside Malt Whisky

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Based on research with Rachel Creaney, Dave Miller, Keith Matthews, Sharon Flanigan, Doug Wardell-Johnson, Gianna Gandossi, Aisha Chabdu, and Jon Hopkins (James Hutton Institute)

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Value Chains



Porter (1985) process of firms gaining competitive advantage along chain



- Agritura VC4D (2017) contribution of national commodities to growth/jobs
- H2020 MOVING contribution to mountain rural development
- SC = steps to ensure high quality product to customer





Value Chains & Natural Capital



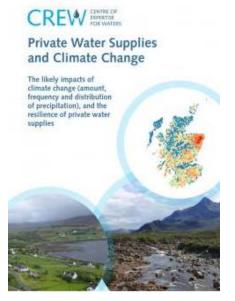
Speyside Malt Whisky - reliance on natural capital & other assets

Current configuration of land cover, land use and land management

5
Provide between 60-80% of the world's freshwater

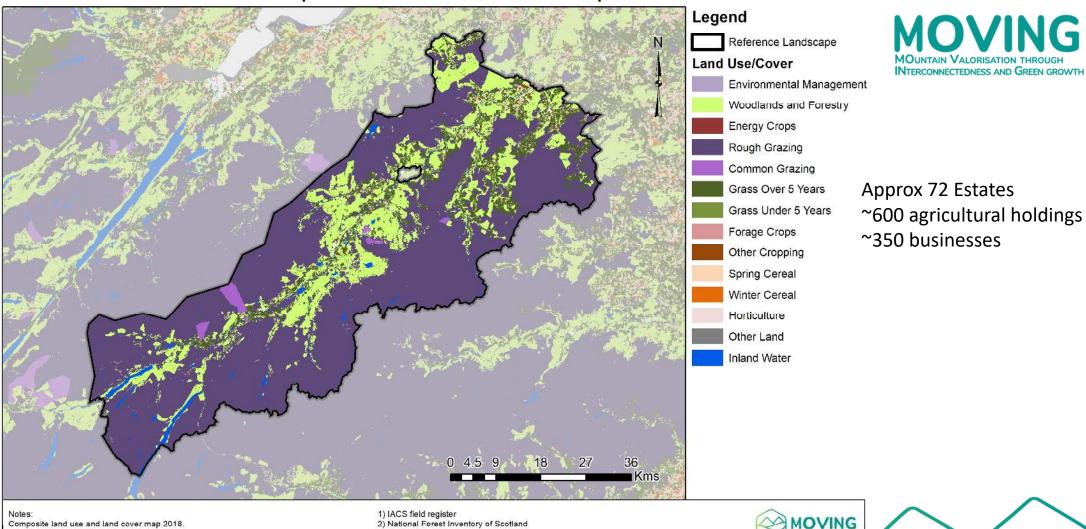
Food and Agriculture Organization of the

Whisky requires spring & SW for cooling





Composite Land Use And Land Cover Map



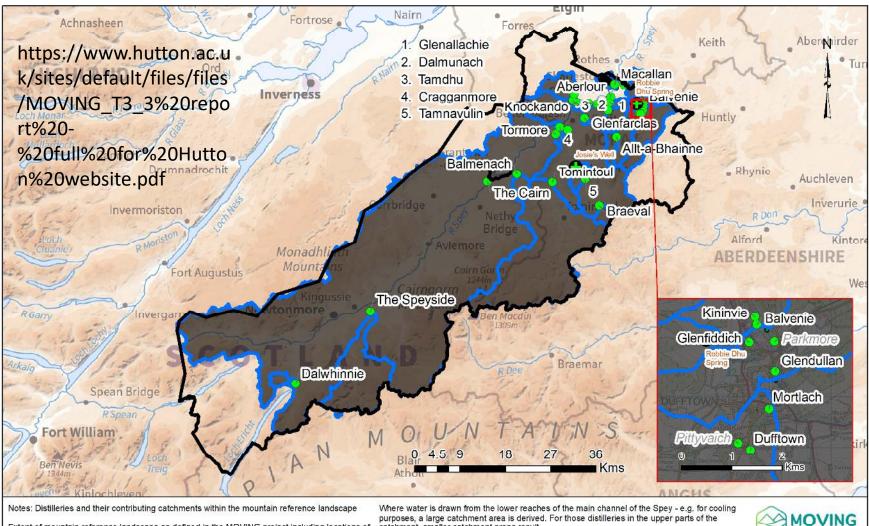
3) Ordnance Survey MasterMap Topography Layer
This map combines data from four different sources to generate a composite map of land use or 4) UK Land Cover Map 2007 land cover. Where possible land use information has been drawn from the SG IACS field register. In the absence of IACS data, reference has been made to other ancillary datasets. In order of preference the sources are:

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Distillieries and their contributing catchments within the mountain reference landscape



MOVING INTERCONNECTEDNESS AND GREEN GROWTH







Hutton

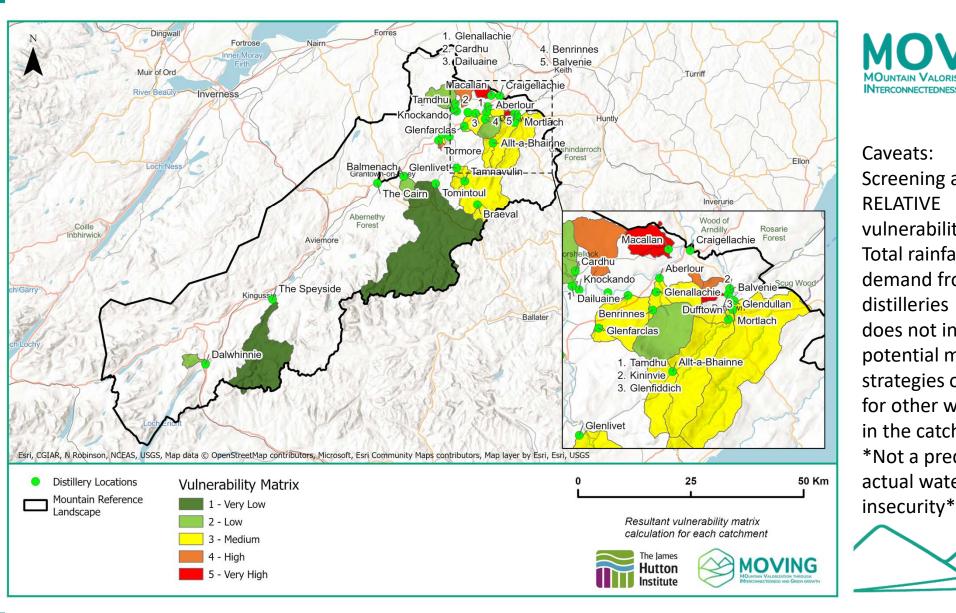
Institute

Extent of mountain reference landscape as defined in the MOVING project including locations of distilleries. Individual catchment boundaries have been derived for nealry all the distilleries in the catchment where water sources are known. Detail taken from a number of sources including http://www.wormtub.com/distilleries.php#speyside.

purposes, a large catchment area is derived. For those distilleries in the upper parts of the catchment, smaller catchment areas result.

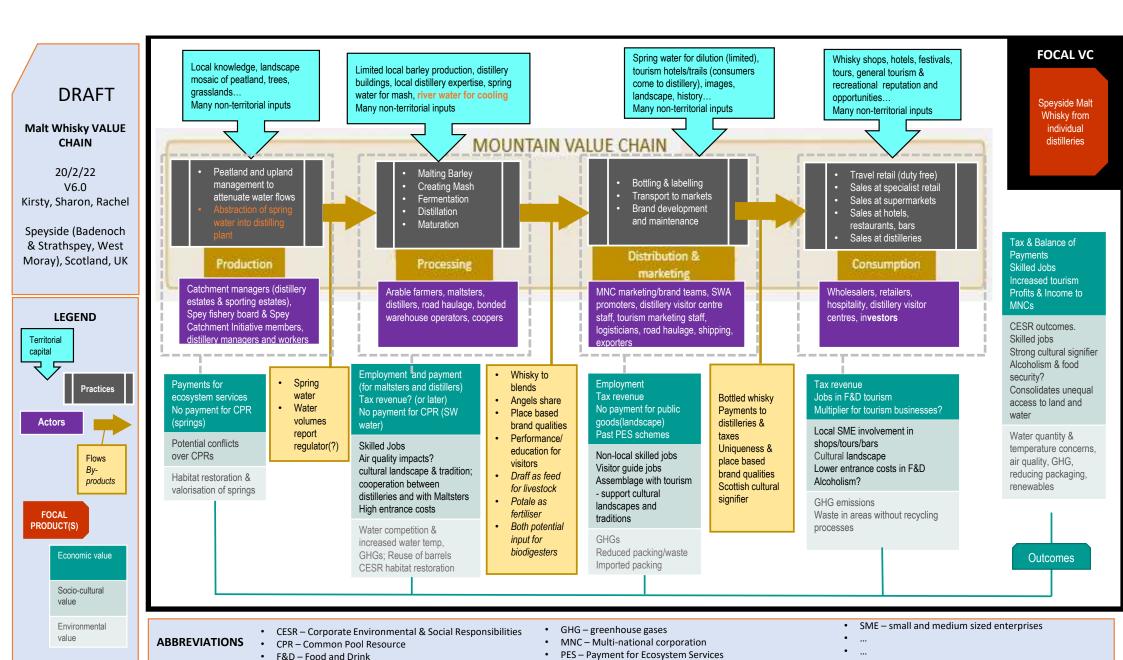
Locations derived from OpenStreetMap by Jon Hopkins. Red inset shows area around Dufftown.

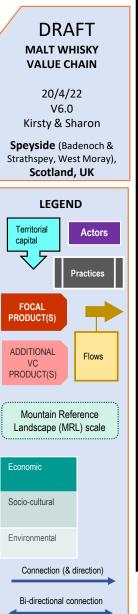
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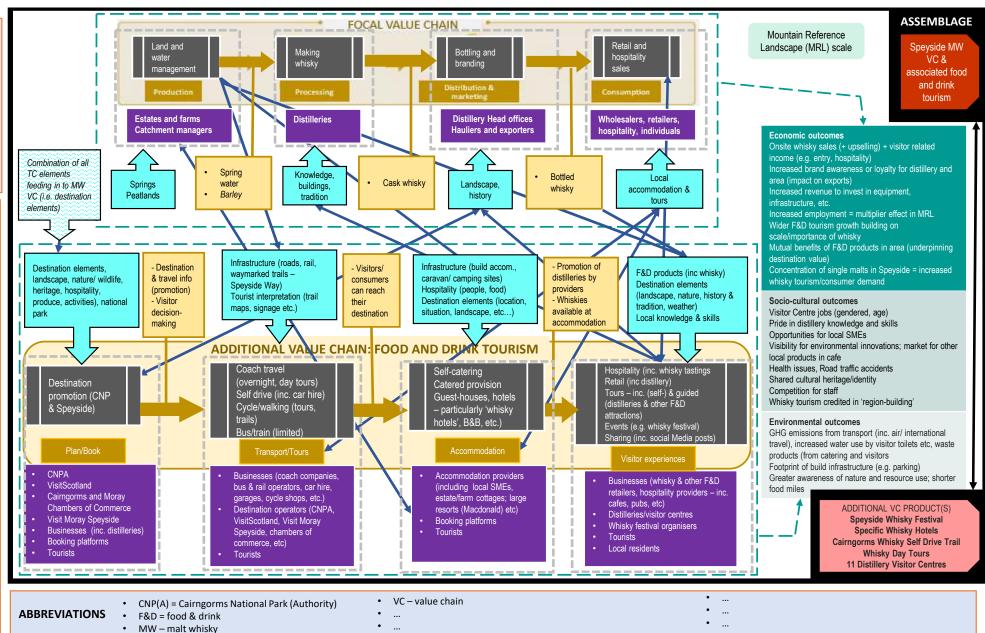


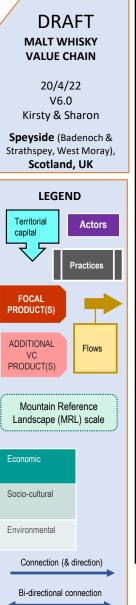


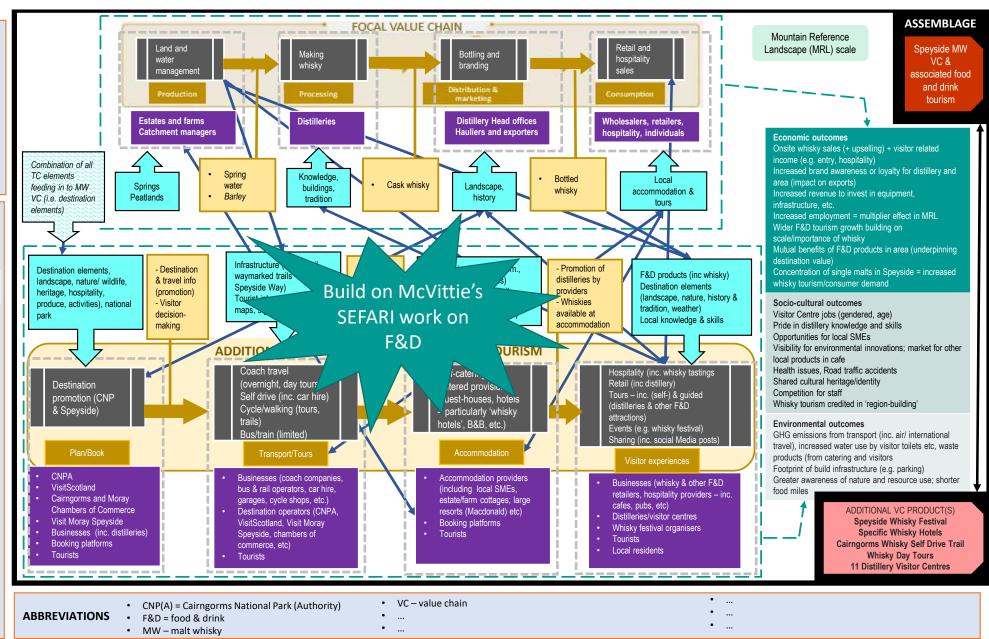
Caveats: Screening analysis **RELATIVE** vulnerability Total rainfall .v. demand from distilleries does not include potential mitigation strategies or account for other water uses in the catchment. *Not a prediction of actual water







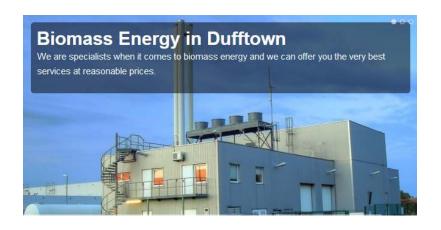




Alternative Assemblages

Shared territorial capital...By-products...Certification...

- Fly Fishing (shared common pool resource of water)
- Bioenergy (site specific reuse + inputs to refinery)
- Livestock farming (reuse of potale and draff)





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Diageo part-funds SCI Chivas investment in rewetting More explicit link to carbon markets & 'rewilding'?





Thank you!

https://www.moving-h2020.eu/ https://www.hutton.ac.uk/research/projects/movingmountain-valorization-through-interconnectedness-andgreen-growth-2020-2024 @MOVINGH2020

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