

Inventory of climate actions, technical fiches for RDP operations

Mainstreaming of climate change into rural development policy post 2013

Project Workshop, Brussels – 17/6/14

Overview



- Scope and purpose of the fiches
- Limitations
- Selection process

Fiches: what and why?

- RDP already achieves a range of policy objectives.
- Could it also help rural areas to contribute to climate change mitigation and adaptation?
- If so, where do you start? The purpose of the fiches is to provide some entry points.



Fiche content



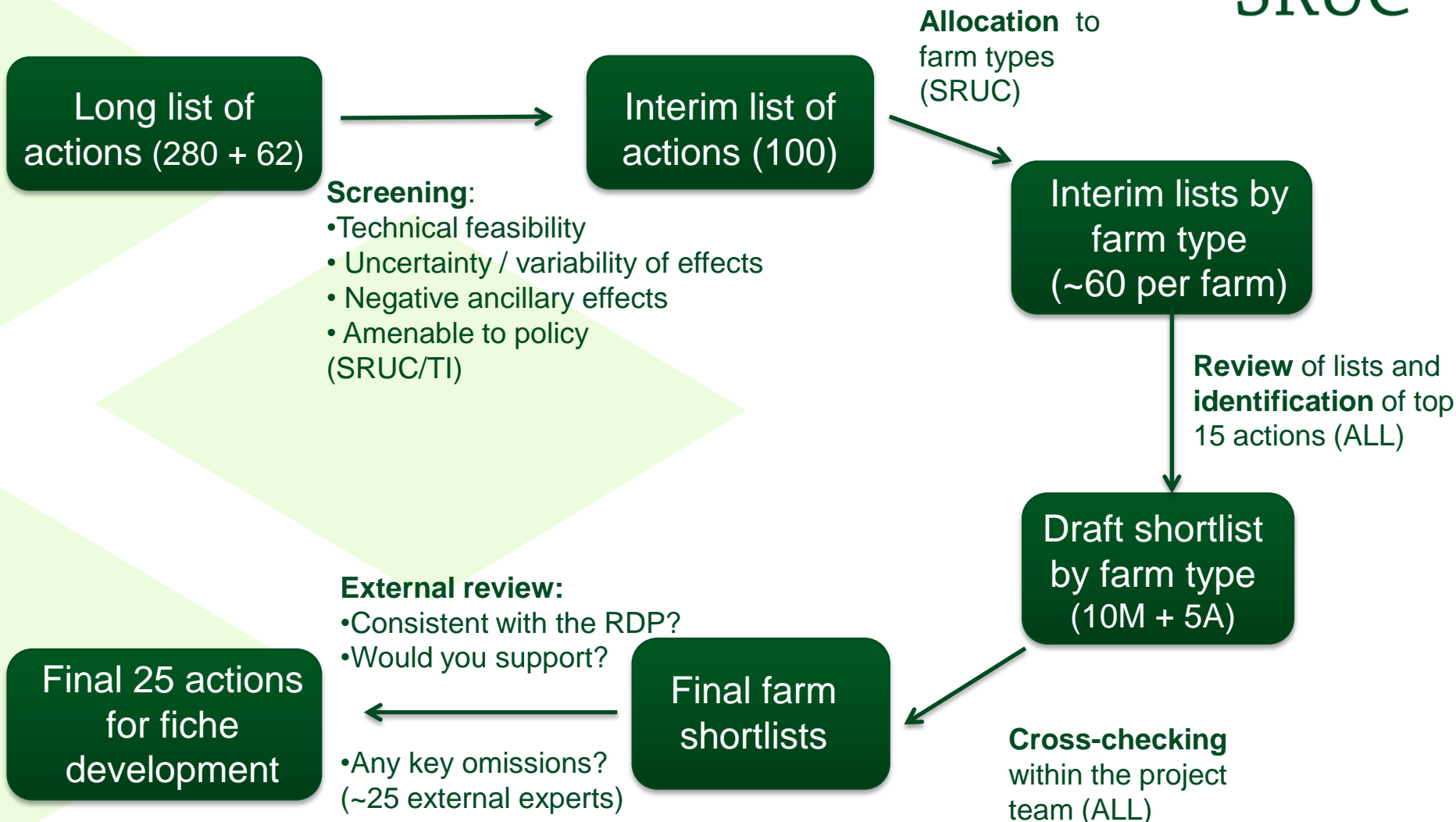
- Short documents outlining potential “new and innovative” mitigation and adaptation operations.
- They provide:
 - An explanation of how a particular action (such as planting cover crops) could reduce GHG emissions or help to adapt to climate change.
 - An example of how the action could be translated into an RDP operation.
 - Guidance on the conditions likely to favour the operation.
 - Guidance on the likely mitigation/adaptation effect, and any ancillary effects.
 - Explanation of the main cost elements.
 - Underpinned by evidence.

Caveats



- Mitigation and adaptation are complex – the fiches, by necessity, simplify this somewhat.
- They are not prescriptive; they seek to provide inspiration rather than detailed technical guidance.
- The scope of the 25 fiches is not exhaustive; exclusion does not imply lack of mitigation/adaptation potential.

Selection of actions for fiches



List of fiches



MITIGATION ACTIONS

Fiche	Action
M1	Extend the perennial phase of crop rotations
M2	Use cover/catch crops and reducing bare fallow
M3	Improved N efficiency
M4	Precise N application
M5	Biological N fixation in rotations and in grass mixes
M6	No-till
M7	Retain crop residues
M8	Loosen compacted soils / Prevent soil compaction
M9	Avoid drainage of wetlands / conversion of peatlands
M10	High fat diet (dietary lipids)
M11	Precision and multi-phase feeding
M12	Solar fodder dryers
M13	Behavioural change towards better energy efficiency
M14	Climate proofing planned investments
M15	Better livestock health planning
M16	Carbon audit

ADAPTATION ACTIONS

Fiche	Action
A1	Use of adapted crops
A2	Cover crops/reducing reduce bare fallow
A3	Soil erosion control plan
A4	Reduced tillage/minimum tillage
A5	Optimising adaptation benefits of shelterbelts and hedges
A6	Optimising the adaptation benefits of drainage
A7	Improved irrigation efficiency
A8	On farm harvesting and storage of rainwater
A9	Optimising greenhouse cultivation

Translating actions into operations



Fiche	Action	Example operation
M1	Extend the perennial phase of crop rotations	Area based premiums that specify a minimum % of perennial crop in the crop sequence; support for the preparation of a land use plan
M3	Improved N efficiency	Payment by result approach to improve N efficiency by providing payments when N-surpluses are reduced to a certain amount.
M12	Solar fodder dryers	Financial support for the purchase of specific equipment required to develop a solar fodder dryer such as fan, hydraulic forage grab, timber cells to store loose hay and insulation material under the roof.
M13	Behavioural change towards better energy efficiency	Provision of training in methods to measure fuel consumption. Grants to (partly) cover the costs of purchasing equipment to monitor fuel consumption. Advisory support to develop a fuel use action plan, including provision of training in techniques to improve fuel efficiency such as eco-driving and tractor maintenance.

Fiche Structure 1/3



Section	Content
Summary	Summary of benefits of proposed operation, monitoring and implementation; any risks involved
Baseline requirements	Relationship between proposed operation and other regulatory requirements that have to be met, e.g., Nitrates Directive, GAECs
Description of the action	Mechanism, scope, mode of emissions and GHG reduction, adaptation benefits
Proposed general operation	Description of the operation
Commitments, funding conditions and eligibility	Eligible activities, timing and duration, location, synergies with other operations, safeguards against maladaptation.

Fiche Structure 2/3



Section	Content
Expected impacts on climate change on-farm	Quantification of abatement rate and/or qualitative assessment of adaptation benefits. Factors influencing the abatement rate or adaptation benefits Key assumptions
Ancillary effects	Description of potential ancillary effects (positive and negative) including maladaptation.
Guidance on costs and payment calculations	The private cost and savings - explanation of the main cost and savings elements Classification of the CE - (1) negative cost, (2) no/low cost, (3) significant cost Explanation of the main drivers of variation in costs

Fiche Structure 3/3



Section	Content
How to control the commitments	Potential result indicators Extent to which the mitigation effect would be captured by National GHG Inventories
Identified implementation challenges and barriers	Barriers to uptake Barriers to MRV Description of key uncertainties and indication of how uncertainties could be reduced and/or characterised
References	All fiches are referenced in detail using available/up-to-date scientific knowledge base, supplemented by expert opinions

Final thoughts



- We are keen for the fiches to be used.
- We need your help to make that happen, starting with the discussion groups today.

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Source: <http://bluegreycattle.org.uk/gallery>