



PÕLLUMAJANDUSUURINGUTE KESKUS
AGRICULTURAL RESEARCH CENTRE



Maailma Arengu Euroopa
Põllumajandusfond.
Euroopa investeeringud
maapirkondadesse

Assessment of RDP results under the Focus Area 4A RDP 2014-2020 evaluation in Estonia

Eneli Viik

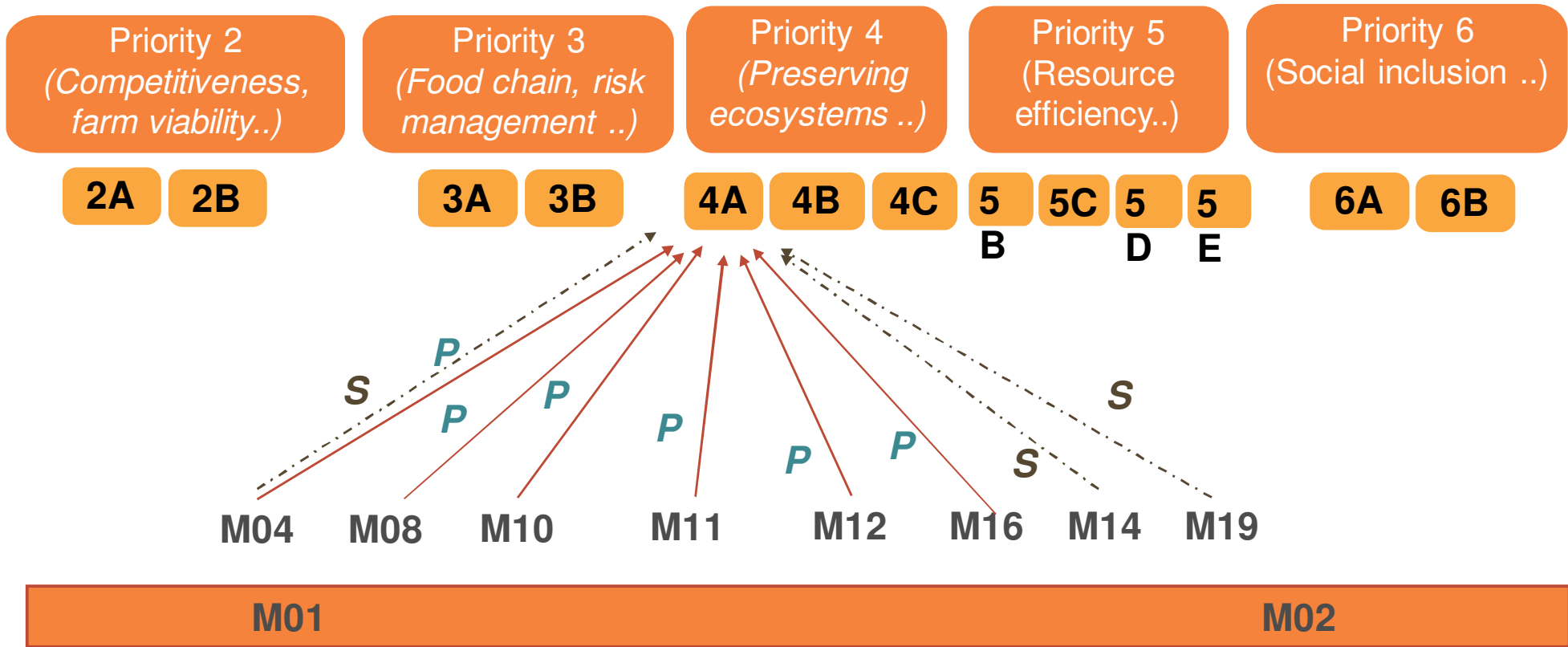
eneli.viik@pmk.agri.ee

Chief specialist

Agricultural Research Centre (ARC)

Riga, 27.11.2017

RDP design in Estonia for 4A



P – Primary; S - Secondary

Developing the assessment to answer CEQ8

- No additional evaluation sub-questions
- Additional indicators for compulsory judgment criteria
- 2 additional judgement criterias with additional indicators

Compulsory or additional	Judgement criteria	Additional indicators
Compulsory	Biodiversity on contracted land has been restored, preserved and enhanced	<ul style="list-style-type: none"> • 3 bumblebee indicators (abundance**, species richness*, Shannon diversity index**): <ul style="list-style-type: none"> • Share of the indicator on a land with the agreement from the indicator on a land without the agreement (in arable fields and arable field edges) • 4 farmland bird indicators (abundance of nesting bird pairs** (also without skylark)*, species richness*, Shannon diversity index**): <ul style="list-style-type: none"> • Share of the indicator on a land with the agreement from the indicator on a land without the agreement (in arable fields) • 3 vascular plant indicators: The mean species number of the indicator in grassland strips next to arable fields per 8 m² : <ul style="list-style-type: none"> • Plant species* • Perennial plant species** • Plant species growing in grasslands (which are not graminaceous or leguminous)**

*proposed by ARC; **proposed by ARC and included by the evaluator into the report in 2017 ³

Developing the assessment to answer CEQ8

Compulsory or additional judgement criteria	Judgement criteria	Additional indicators
Additional	RDP has supported the areas managed in a way that is favourable for BD	<ul style="list-style-type: none"> • 3 indicators related to organic farming: <ul style="list-style-type: none"> • The are of organic farming in Estonia (ha)** • The share of the land under organic farming support from the area of organic farming in Estonia (%)* • The share of the land under organic farming support from the area of UAA (%)** • 2 indicators related to semi-natural habitats: <ul style="list-style-type: none"> • The area of semi-natural habitats in Environmental Registry (ha)* • The share of the land under semi-natural habitats support from the area of semi-natural habitats in Environmental Registry (%)**
Additional	RDP has supported genetic diversity	<ul style="list-style-type: none"> • 8 indicators related to 4 endangered animal breeds: Estonian horse, Tori horse, Estonian heavy draught, Estonian native cattle: <ul style="list-style-type: none"> • For each: the number in Estonia* • For each: the share of animals under the support of endangered local breeds (%)**

*proposed by ARC; **proposed by ARC and included by the evaluator into the report in 2017

Developing the assessment to answer CEQ8

- **Common context indicators:** changes in values between base year in previous RDP (depending on the indicator 2010-2013 but also period 2007-2012) and the year in current RDP (2015 but in some cases 2014)
- **Common output indicators:** the values of O4, O5 and O7 (number or hectares)
- **Common result indicators:** the values of T8/R6 % and T9/R7 % and achievement % for both
- **Additional indicators:** How to use these indicators and where to get data to answer the CEQ?
 - The changes between current and previous RDP year(s) were found

Additional indicator	Base year(s)	Current year(s)	Data source
Bumblebees, farmland birds	Mean of 2010-2013	Mean of 2015-2016	ARC* studies in the frame of ongoing evaluation
Vascular plants	Mean of 2011 and 2013	2016	ARC* studies in the frame of ongoing evaluation
Organic farming indicators	2013	2016	Agricultural Board, ARIB*, Eurostat
Semi-natural habitats indicators	2013	2016	Environmental Registry, ARIB**
Indicators for endangered breeds	Mean of 2009-2013	Mean of 2015-2016	The Veterinary and Food Board, ARIB**

*Agricultural Research Centre; **Estonian Agricultural Registers and Information Board (the paying agency)

Evaluation findings

Common result indicators	Target value 2023	Value 2016	Achieved by 2016
T9/R7. % of agricultural land under management contracts supporting biodiversity and/or landscapes	70,25%	61,07%	86,9%
T8/R6. % of forest or other wooded areas under management contracts supporting biodiversity	2,70%	2,48%	91,9%

Evaluation findings

Additional indicators		Change in value between base and current year(s)	Change in % from the base value
Bumblebees: Share of the indicator on a land with the agreement from the indicator on a land without the agreement (in arable fields and arable field edges)	Abundance**	+39%	+25,3%
	Species richness*	+20%	+14,9%
	Shannon diversity index**	+6%	+4,9%
Farmland birds: Share of the indicator on a land with the agreement from the indicator on a land without the agreement (in arable fields)	Abundance of nesting pairs**	+8%	+7,1%
	Abundance of nesting pairs without skylark*	+20%	+15,6%
	Species richness*	-2%	-1,8%
	Shannon diversity index**	-1%	-0,9%
Vascular plants: The mean species number of the indicator in grassland strips next to arable fields per 8 m ²	Plant species*	+2,1 species	+10,3%
	Plant species**	+2,1 species	+14,8%
	Plant species growing in grasslands (which are not graminaceous or leguminous)**	+1,1 species	+7,4%

*proposed by ARC; **proposed by ARC and included by the evaluator into the report in 2017 7

*proposed by ARC; **proposed by ARC and included by the evaluator into the report in 2017

Evaluation findings

Additional indicators

Change in value between base and current year(s)

Change in % from the base value

Organic farming	The are of organic farming in Estonia (ha)**	+29 560 ha	+19,5%
	The share of the land under organic farming support from the area of organic farming in Estonia (%)*	-5,4%	-6,5%
	The share of the land under organic farming support from the area of UAA (%)**	n.a	n.a
Semi-natural habitats	The area of semi-natural habitats in Environmental Registry (ha)*	+2 953 ha	+4,0%
	The share of the land under semi-natural habitats support from the area of semi-natural habitats in Environmental Registry (%)**	+0,4%	+1,2%
Endangered animal breeds	Estonian horse, number in Estonia (animals)*	+412 animals	+19,5%
	Estonian horse, share under support (%)**	-1%	-1,4%
	Tori horse, number in Estonia (animals)*	-147 animals	-10,7%
	Tori horse, share under support (%)**	+4%	+12,1%
	Estonian heavy draught, number in Estonia (animals)*	+122 animals	+42,2%
	Estonian heavy draught, share under support (%)**	-11%	-15,5%
	Estonian native cattle, number in Estonia (animals)*	-434 animals	-25,5%
Estonian native cattle, share under support (%)**	+21%	55,3%	



Thank you!

eneli.viik@pmk.agri.ee