ECOLOGICAL FACTSHEET - ITALIAN CASE STUDY

Agri-environmental Payments (based on 100 surveyed farms):

1% - EU Payments linked to Natura 2000 and the Water Framework Directive

30% - Other rural development payments (e.g. for physical investments, modernisation, quality standards)

75% - Basic Scheme Payment, and/or Single Farm Payment, and/or Single Area Payment

8% - Subsidies for organic farming

8% - Less Favoured Area (LFA) payments

57% - non-EU public subsidies (State, local government)

15% - Other agri-environmental and climate change payments (without forestry payments)

Survey results:
Average total pesticide costs = € 5580
Average total fertiliser costs = € 2826
Average total output: € 138,924

Pesticide intensity index (Pesticide costs / Total Output) **= 0.0887**

Fertiliser intensity index (Fertiliser costs / Total Output) **= 0.0431**

Case study areas: Emilia-Romagna and Ravenna

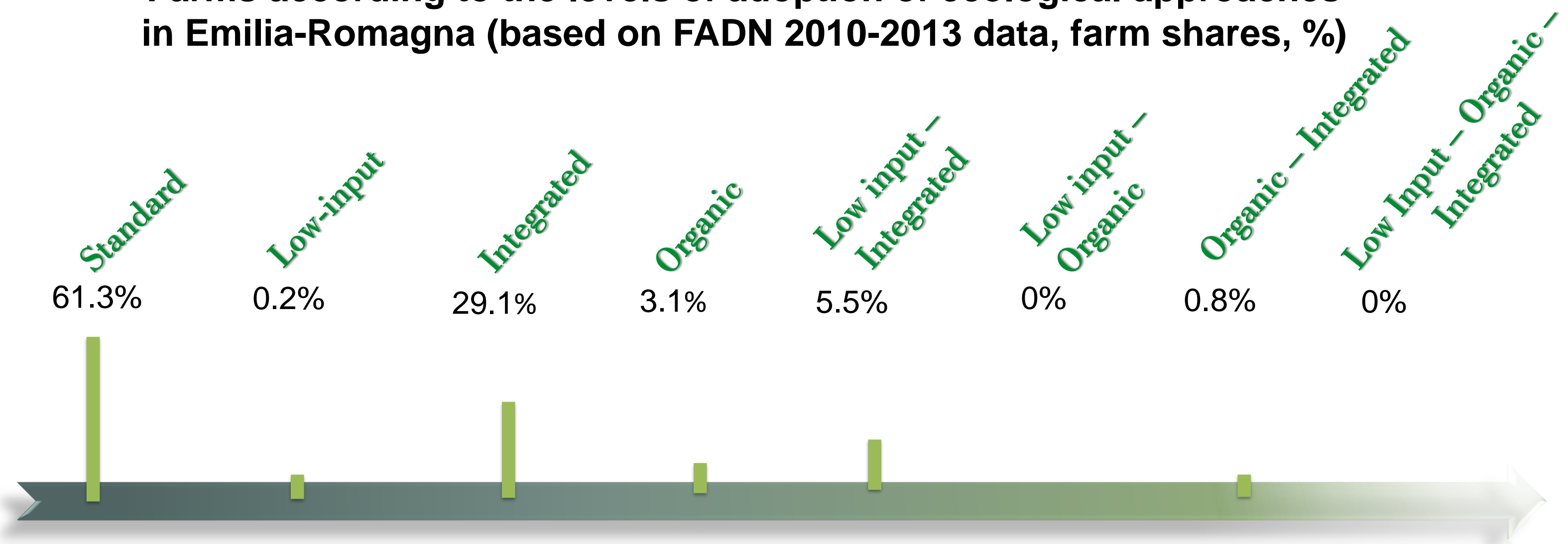## Experts' views on the farm practices an ecological farm would use as opposed to a conventional farm

Manual weeding
Machine weeding
Strip grazing
Extensive use of cover crops
Integration of crop and livestock at farm level
Alternative remedies for livestock disease management
Number of crops
Precision technologies
Integrated Weed Management
Low tillage use
Integrated Pest Management
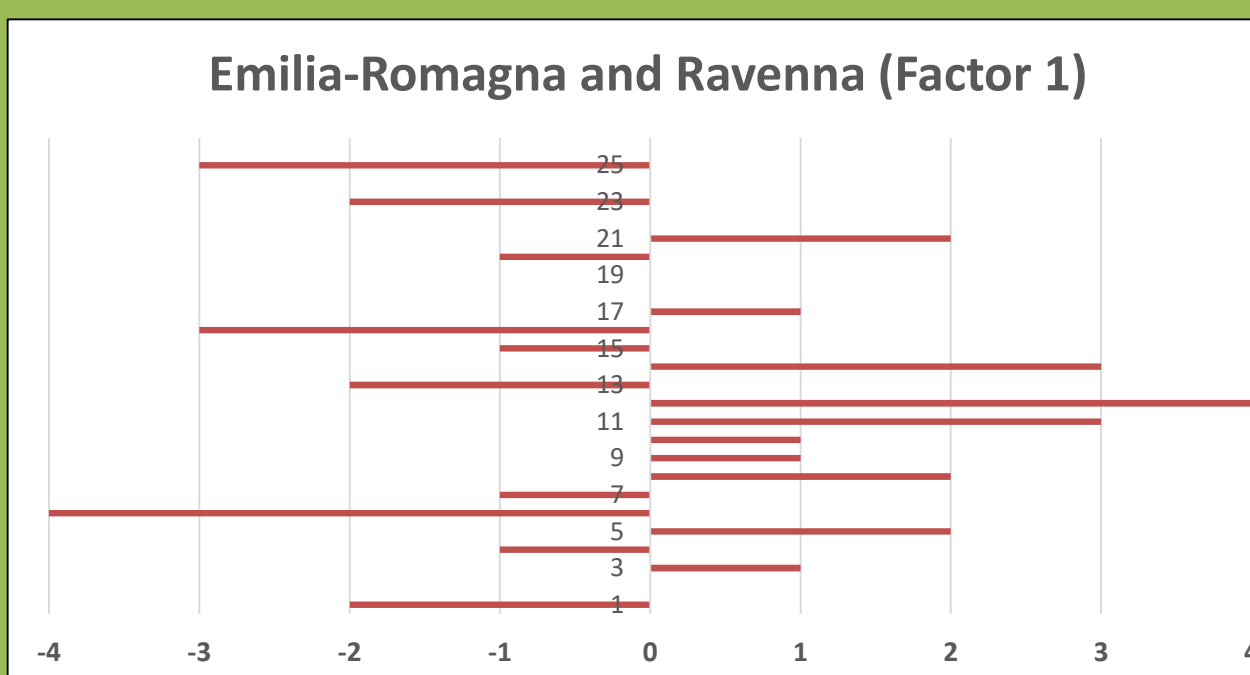Use of organic manure or compost

Emilia-Romagna and Ravenna (IT)

Farms according to the levels of adoption of ecological approaches in Emilia-Romagna (based on FADN 2010-2013 data, farm shares, %)

Standard	Low-input	Integrated	Organic	Low input – Integrated	Low input – Organic	Organic – Integrated	Low Input – Organic – Integrated
61.3%	0.2%	29.1%	3.1%	5.5%	0%	0.8%	0%

Respondents' views on the vision for organic farming in 2030 (Q-SORT and DELPHI)

Statement Num.	Statements
1	50% of farms will adopt ecological farming practices.
2	10% of farms in the case study area will adopt ecological farming practices.
3	Ecological farms will form clusters of closely connected farms within the case study area.
4	There will be little change in the landscape appearance of rural areas.
5	Water quality will improve.
6	Little change will happen to soil quality.
7	There will be no change in the number and/or size of hedgerows.
8	Employment opportunities in farming will increase.
9	The need for labour work of an individual farmer will be spread throughout the year.
10	The farmer's daily routine will become more varied.
11	The wider rural economy will be more resilient.
12	Farmers will need to increase their level of skills.
13	The nature of work on farms will be more physically demanding.
14	Farmers will cooperate more with neighbouring farmers and farms close to them.
15	Consumers will not buy a lot more of their food locally.
16	Ecological farming will be a limited social movement and will not provide substantial eco-system services.
17	There will be tight certification to define farms as ecological.
18	As a proportion of household income, income from farming will decrease.
19	More livestock farmers will use mob/strip grazing.
20	Mob/strip grazing decreases the requirement for labour.
21	Rural areas will become no more attractive for residents and users.
22	There will be more need of seasonal labour.
23	The use of family labour will decrease.
24	There will be more need of migrant labour.
25	There will be no change in trade of locally sourced inputs.
26	There will be more demand for female labour for manual operations.

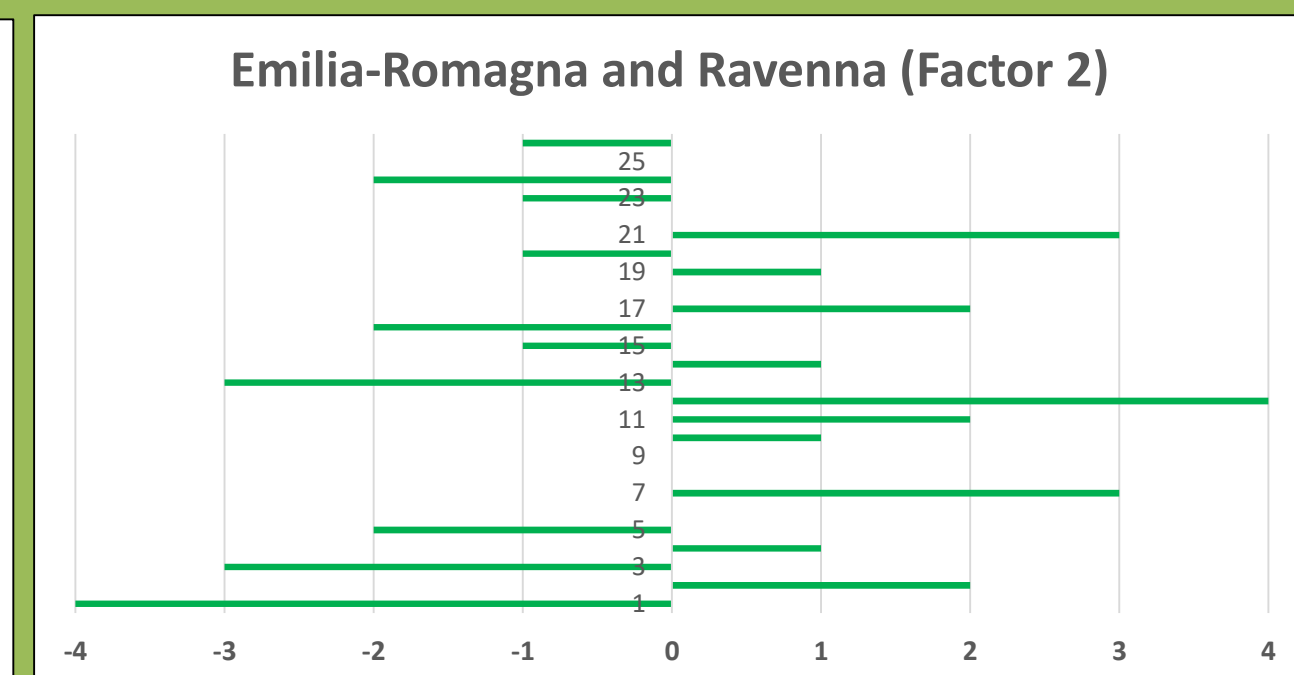### Emilia-Romagna and Ravenna (Factor 1)

Most disagreed upon statements | **Most agreed upon statements**

- Little change will happen to soil quality.
- There will be no change in trade of locally sourced inputs
- Ecological farming will be a limited social movement and will not provide substantial eco-system services.

- Farmers will need to increase their level of skills.
- The wider rural economy will be more resilient.
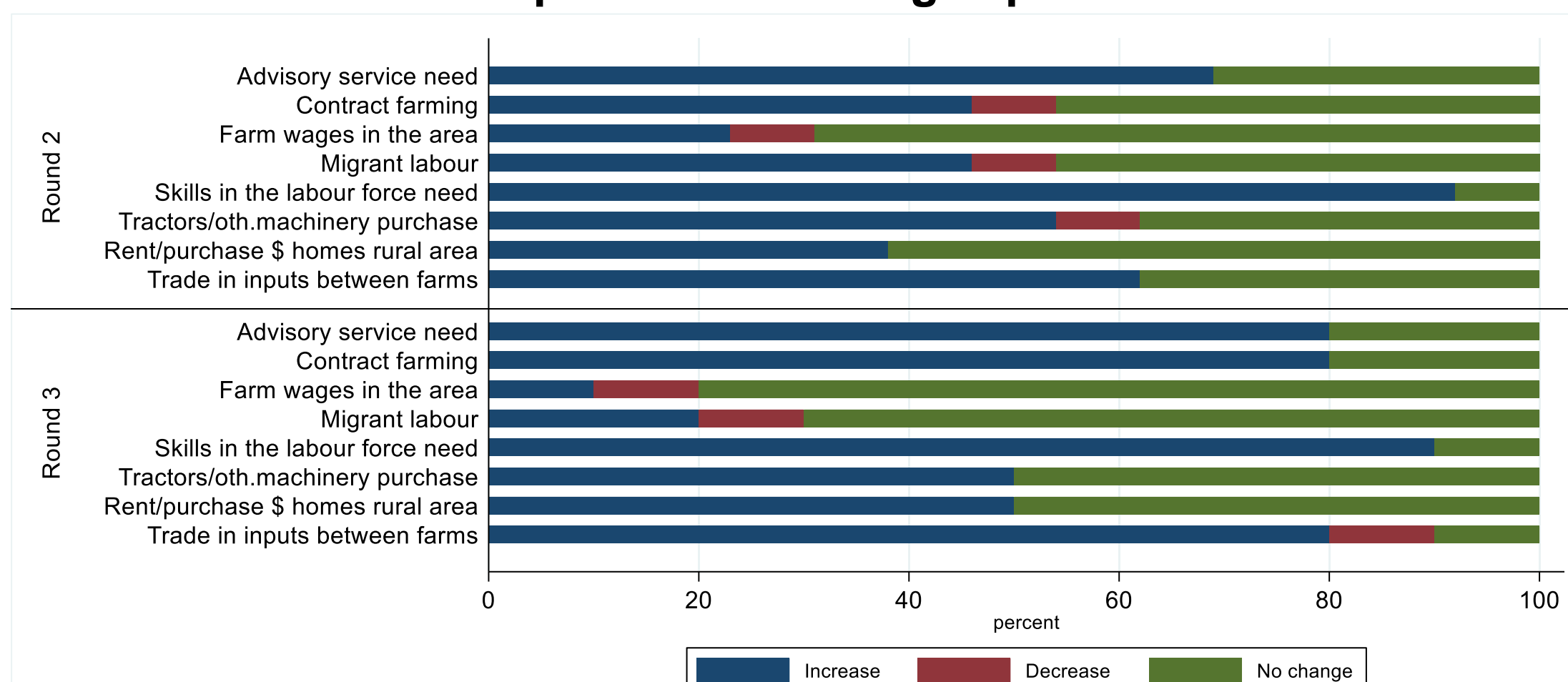- Farmers will cooperate more with neighbouring farmers and farms close to them.

Emilia-Romagna and Ravenna (Factor 2)

Most disagreed upon statements | **Most agreed upon statements**

- 50% of farms will adopt ecological farming practices.
- Ecological farms will form clusters of closely connected farms within the case study area.
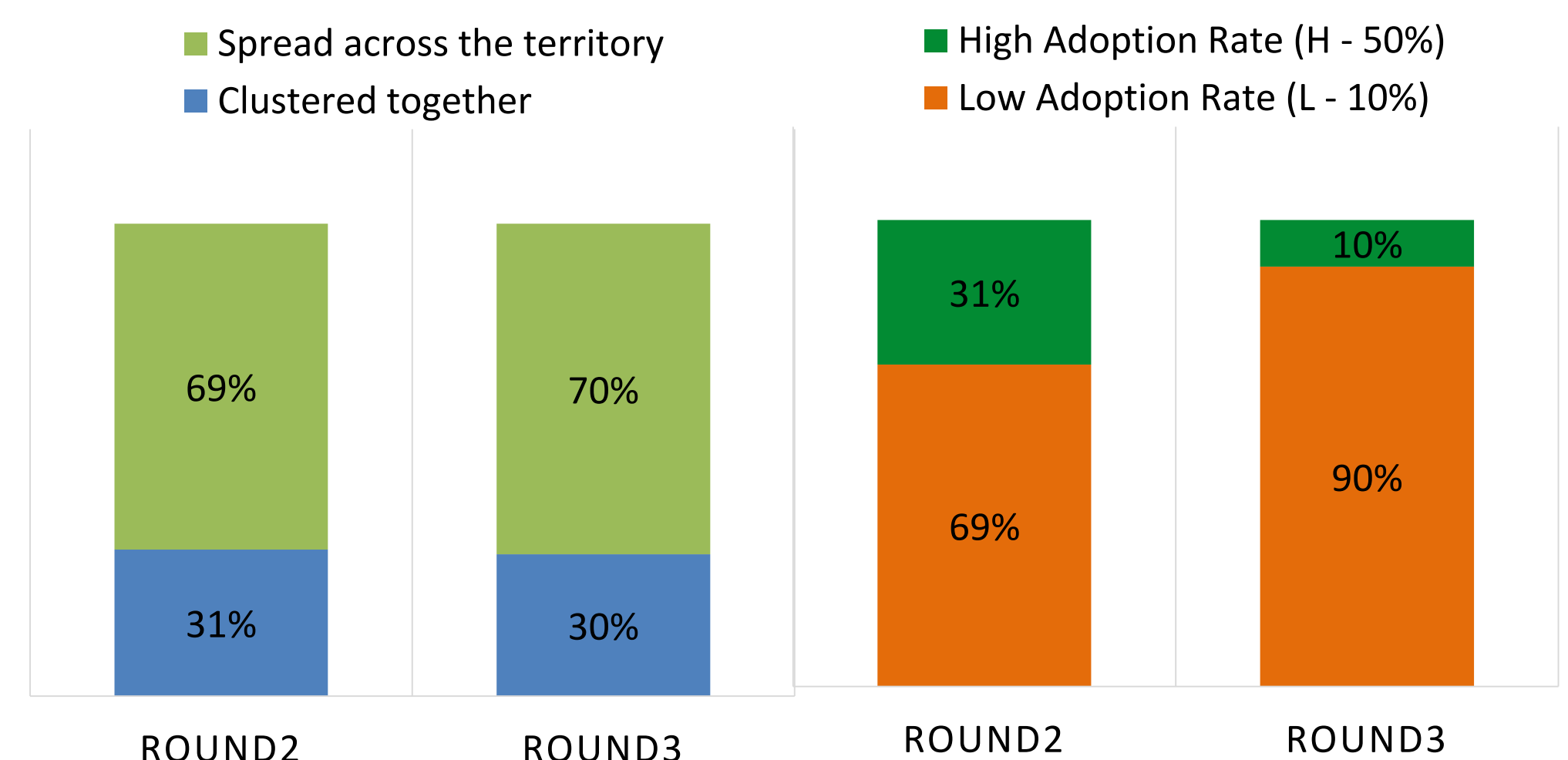- The nature of work on farms will be more physically demanding.

- Farmers will need to increase their level of skills.
- Rural areas will become more attractive for residents and users.
- There will be no change in the number and/or size of hedgerows.

Experts' opinion on how the adoption of ecological farming would impact the following aspects

Round 2 / Round 3 categories:
Advisory service need, Contract farming, Farm wages in the area, Migrant labour, Skills in the labour force need, Tractors/oth.machinery purchase, Rent/purchase $ homes rural area, Trade in inputs between farms

Legend: Increase, Decrease, No change

Experts' opinion on future of ecological farming systems

Legend:
- Spread across the territory
- Clustered together
- High Adoption Rate (H - 50%)
- Low Adoption Rate (L - 10%)

ROUND2: 69% spread / 31% clustered; 31% high / 69% low
ROUND3: 70% spread / 30% clustered; 10% high / 90% low

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