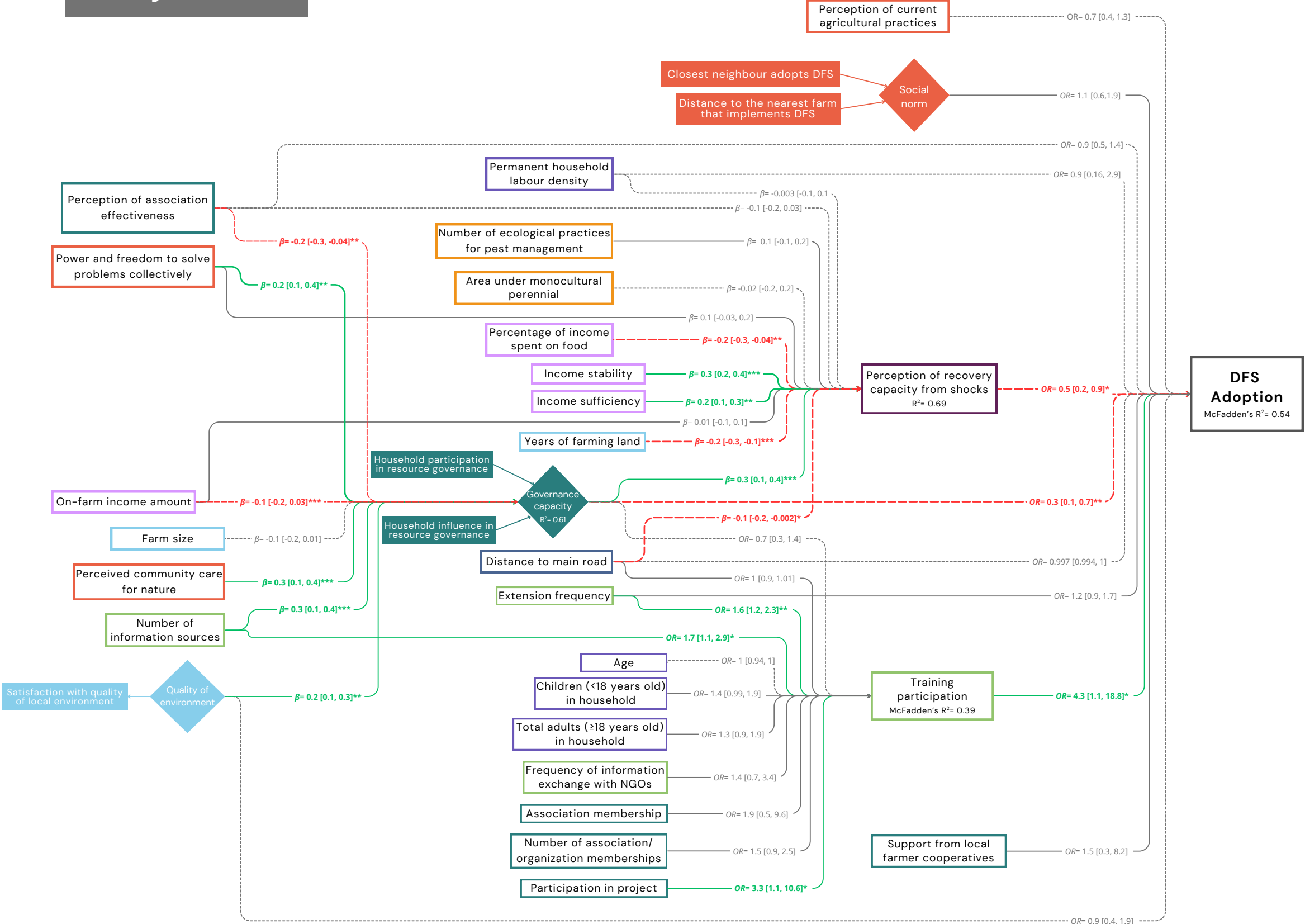Ucayali, Peru

LEGEND — Factor categories

- Biophysical context
- Farm management characteristics
- Farmers' attitude
- Financial capital
- Human capital
- Natural capital
- Physical capital
- Political and institutional context
- Social capital
- Vulnerability context

Positive / Negative

- Significant
- Non-significant

Perception of current agricultural practices — OR= 0.7 [0.4, 1.3]

Closest neighbour adopts DFS
Distance to the nearest farm that implements DFS
Social norm — OR= 1.1 [0.6,1.9]

Perception of association effectiveness — β= -0.2 [-0.3, -0.04]**

Power and freedom to solve problems collectively — β= 0.2 [0.1, 0.4]**

Permanent household labour density — OR= 0.9 [0.16, 2.9]
— β= -0.003 [-0.1, 0.1]
— β= -0.1 [-0.2, 0.03]

Number of ecological practices for pest management — β= 0.1 [-0.1, 0.2]

Area under monocultural perennial — β= -0.02 [-0.2, 0.2]

Percentage of income spent on food — β= 0.1 [-0.03, 0.2] — β= -0.2 [-0.3, -0.04]**

Income stability — β= 0.3 [0.2, 0.4]***
Income sufficiency — β= 0.2 [0.1, 0.3]**
— β= 0.01 [-0.1, 0.1]

Years of farming land — β= -0.2 [-0.3, -0.1]***

Perception of recovery capacity from shocks R²= 0.69 — OR= 0.5 [0.2, 0.9]*

On-farm income amount — β= -0.1 [-0.2, 0.03]***

Household participation in resource governance
Household influence in resource governance
Governance capacity R²= 0.61 — β= 0.3 [0.1, 0.4]*** — OR= 0.3 [0.1, 0.7]** — β= -0.1 [-0.2, -0.002]*

Farm size — β= -0.1 [-0.2, 0.01]

Distance to main road — OR= 0.7 [0.3, 1.4] — OR= 0.997 [0.994, 1]

Perceived community care for nature — β= 0.3 [0.1, 0.4]***

Extension frequency — OR= 1 [0.9, 1.01] — OR= 1.2 [0.9, 1.7] — OR= 1.6 [1.2, 2.3]**

Number of information sources — β= 0.3 [0.1, 0.4]*** — OR= 1.7 [1.1, 2.9]*

Satisfaction with quality of local environment
Quality of environment — β= 0.2 [0.1, 0.3]**

Age — OR= 1 [0.94, 1]
Children (<18 years old) in household — OR= 1.4 [0.99, 1.9]
Total adults (≥18 years old) in household — OR= 1.3 [0.9, 1.9]
Frequency of information exchange with NGOs — OR= 1.4 [0.7, 3.4]
Association membership — OR= 1.9 [0.5, 9.6]
Number of association/organization memberships — OR= 1.5 [0.9, 2.5]
Participation in project — OR= 3.3 [1.1, 10.6]*

Training participation McFadden's R²= 0.39 — OR= 4.3 [1.1, 18.8]*

Support from local farmer cooperatives — OR= 1.5 [0.3, 8.2]

DFS Adoption McFadden's R²= 0.54

OR= 0.9 [0.4, 1.9]
OR= 0.9 [0.5, 1.4]