The following supplements accompany the article

Table S1. Preferred changes in components in Guarayos and Tapajós.

| Guarayos | | Tapajós | | | |
|---|-------------------|---|-------------------|--|--|
| Component | Desired Change | Component | Desired Change | | |
| Agricultural Expansion | Decrease | Access to Viable Economic Activities and Finance | Negative | | |
| Agricultural Intensification | Neutral | Agricultural Expansion | Negative | | |
| Application of Agricultural Law | Positive | Climate Change | Negative | | |
| Application of Forest Law | Positive | Contamination | Negative | | |
| Biodiversity Loss | Negative | Deforestation | Negative | | |
| Climate Change | Negative | Depopulation of Rural Areas | Negative | | |
| Compliance with Land Zoning | Positive | Environmental Monitoring | Positive | | |
| Contamination | Negative | Financial Aid and Equality | Positive | | |
| Deforestation | Negative | Forest Fires | Negative | | |
| Destruction of Environmental Services | Negative | Forest Products Value | Positive | | |
| Destruction of Pampas | Negative | Illegal Logging | Negative | | |
| Fires | Negative | Illegal Mining | Negative | | |
| Grazing Expansion | Negative | Incomplete Production Chains | Negative | | |
| Illegal Hunting and Fishing | Negative | Positive in Amazon Population | Negative | | |
| Illegal Logging | Negative | Infrastructure Projects | Neutral | | |
| Illegal Mining | Negative | International Interest to Conserve Amazon | Positive | | |
| Immigration | Negative | Lack of Efficiency in Policies for Subsistence Farming | Negative | | |
| Inequality in Benefits | Negative | Lack of Environmental Awareness | Negative | | |
| Lack of Awareness of Environmental Problems | Negative | Lack of Governmental Co-ordination | Negative | | |
| Lack of Credit | Negative | Lack of Protection of Traditional Forest Communities | Negative | | |
| Lack of Understanding, Application and Coordination of Laws | Negative | Lack of Public Policy | Negative | | |
| Land Encroachment | Negative | Lack of Sustainable Development Models | Negative | | |
| Land Trafficking | Negative | Lack of Technical Training and Assistance | Negative | | |
| Loss of Lakes and Natural Springs | Negative | Loss of Biodiversity | Negative | | |
| Loss of Subsistence Agriculture in Guarayos Communities | Negative | Loss of Environmental Services | Negative | | |
| Lower Crops Yields | Negative | Opportunities to Sell Environmental Services | Positive | | |
| Poor Administration by Community Leaders | Negative | Population Purchasing Power | Positive | | |
| Poverty | Negative | Pressure from External Actors (agribusiness) | Negative | | |
| Soil Erosion | Negative | Social Organisation and Social Political Participation | Positive | | |
| | | Technical and Productive Capacity | Positive | | |
| | | Technology Supplied for Sustainable Land Use | Positive | | |
| | | Use of Agrochemicals | Neutral | | |

Table S2. Component Indices for Guarayos

| Component | Outdegree | Indegree | Page Rank | Betweeness | Component Type |
|---------------------------------------|-----------|----------|--------------|------------|-------------------|
| Agricultural Expansion | 1.75 | 2.05 | 0.037 | 0.056 | Ordinary |
| Agricultural Intensification | 1.10 | 0.50 | 0.015 | 0.008 | Ordinary |
| Application of Forest Law | 0.50 | 0.90 | 0.014 | 0.007 | Ordinary |
| Application of INRA | 1.40 | 0.00 | 0.011 | 0.000 | Transmitter |
| Biodiversity Loss | 0.00 | 1.75 | 0.117 | 0.000 | Receiver |
| Climate Change | 0.80 | 0.50 | 0.026 | 0.030 | Ordinary |
| Compliance with Land Zoning | 0.20 | 0.70 | 0.014 | 0.007 | Ordinary |
| Contamination | 0.10 | 2.55 | 0.080 | 0.009 | Ordinary |
| Deforestation | 4.70 | 3.10 | 0.110 | 0.217 | Ordinary |
| Destruction of Environmental Services | 0.00 | 0.90 | 0.026 | 0.000 | Receiver |
| Destruction of Pampas | 0.00 | 0.50 | 0.024 | 0.000 | Receiver |
| Fires | 0.85 | 1.40 | 0.031 | 0.034 | Ordinary |
| Grazing Expansion | 1.60 | 0.50 | 0.015 | 0.010 | Ordinary |
| Illegal Hunting and Fishing | 0.85 | 0.75 | 0.053 | 0.021 | Ordinary |
| Illegal Logging | 0.50 | 0.20 | 0.050 | 0.083 | Ordinary |
| Illegal Mining | 1.10 | 0.00 | 0.011 | 0.000 | Transmitter |
| Immigration | 0.90 | 0.90 | 0.020 | 0.020 | Ordinary |
| Inequality in Benefits | 0.90 | 0.90 | 0.020 | 0.019 | Ordinary |
| Lack of Awareness of Environmental | | | | | Transmitter |
| Problems | 0.50 | 0.00 | 0.011 | 0.000 | |
| Lack of Credit | 0.75 | 0.00 | 0.011 | 0.000 | Transmitter |
| Lack of Understanding, Application | | | | | Transmitter |
| and Coordination of Laws | 1.85 | 0.00 | 0.011 | 0.000 | |
| Land Encroachment | 0.25 | 0.50 | 0.021 | 0.000 | Ordinary |
| Land Trafficking | 0.90 | 0.00 | 0.011 | 0.000 | Transmitter |
| Loss of Lakes and Natural Springs | 0.00 | 0.60 | 0.026 | 0.000 | Receiver |
| Loss of Subsistence Agriculture in | | | | | Ordinary |
| Guarayos Communities | 0.90 | 0.90 | 0.028 | 0.034 | , |
| Lower Crop Yields | 0.60 | 1.90 | 0.068 | 0.098 | Ordinary |
| Poor Administration by Community | | | | | Transmitter |
| Leaders | 0.90 | 0.00 | 0.011 | 0.000 | |
| Poverty | 0.70 | 1.50 | 0.092 | 0.139 | Ordinary |
| Soil Erosion | 0.50 | 1.60 | 0.035 | 0.044 | Ordinary |

 Table S3. Component indices for Tapajós.

| Component | Outdegree | Indegree | Page Rank | Betweeness | Component Type |
|--|-----------|----------|--------------|------------|-------------------|
| Access to Viable Economic Activities | | | | | Ordinary |
| and Finance | 1.25 | 0.90 | 0.014 | 0.002 | |
| Agricultural Expansion | 1.58 | 1.38 | 0.028 | 0.016 | Ordinary |
| Climate Change | 0.25 | 0.25 | 0.046 | 0.000 | Ordinary |
| Contamination | 1.50 | 2.25 | 0.043 | 0.005 | Ordinary |
| Deforestation | 2.13 | 7.00 | 0.164 | 0.088 | Ordinary |
| Depopulation of Rural Areas | 0.00 | 0.50 | 0.017 | 0.000 | Receiver |
| Environmental Monitoring | 1.73 | 0.83 | 0.013 | 0.005 | Ordinary |
| Financial Aid and Equality | 0.75 | 0.13 | 0.013 | 0.001 | Ordinary |
| Forest Fires | 0.75 | 1.08 | 0.089 | 0.002 | Ordinary |
| Forest Products Value | 0.50 | 1.50 | 0.033 | 0.011 | Ordinary |
| Illegal Logging | 0.50 | 1.15 | 0.023 | 0.002 | Ordinary |
| Illegal Mining | 0.75 | 0.00 | 0.011 | 0.000 | Transmitter |
| Incomplete Production Chain | 0.75 | 0.75 | 0.014 | 0.001 | Ordinary |
| Increase in Amazon Population | 1.50 | 0.00 | 0.011 | 0.000 | Transmitter |
| Infrastructure Projects | 1.15 | 1.65 | 0.027 | 0.017 | Ordinary |
| International Interest to Conserve | | | | | Transmitter |
| Amazon | 0.50 | 0.00 | 0.011 | 0.000 | |
| Lack of Efficiency in Policies for | | | | | Transmitter |
| Subsistence Farming | 2.40 | 0.00 | 0.011 | 0.000 | |
| Lack of Environmental Awareness | 1.50 | 0.00 | 0.011 | 0.000 | Transmitter |
| Lack of Governmental Co-ordination | 1.95 | 0.00 | 0.011 | 0.000 | Transmitter |
| Lack of Protection of Traditional Forest | | | | | Transmitter |
| Communities | 0.75 | 0.00 | 0.011 | 0.000 | |
| Lack of Public Policy | 0.90 | 0.75 | 0.017 | 0.003 | Ordinary |
| Lack of Sustainable Development | | | | | Ordinary |
| Models | 1.50 | 0.25 | 0.016 | 0.004 | , |
| Lack of Technical Training and | | | | | Ordinary |
| Assistance | 0.75 | 0.75 | 0.014 | 0.005 | , |
| Loss of Biodiversity | 0.00 | 2.00 | 0.083 | 0.000 | Receiver |
| Loss of Environmental Services | 0.00 | 2.25 | 0.140 | 0.000 | Receiver |
| Opportunities to Sell Environmental | | | | | Transmitter |
| Services | 0.50 | 0.00 | 0.011 | 0.000 | |
| Population Purchasing Power | 0.50 | 3.00 | 0.041 | 0.013 | Ordinary |
| Pressure from External Actors | 0.90 | 0.25 | 0.013 | 0.004 | Ordinary |
| Social Organisation and Social Political | | | | | Ordinary |
| Participation | 1.50 | 0.25 | 0.014 | 0.002 | , |
| Technical and Productive Capacity | 0.50 | 0.75 | 0.013 | 0.002 | Ordinary |
| Technology Supplied For Sustainable | | | | | Transmitter |
| Land Use | 0.38 | 0.00 | 0.011 | 0.000 | |
| Use of agrochemicals | 0.75 | 0.75 | 0.023 | 0.006 | Ordinary |

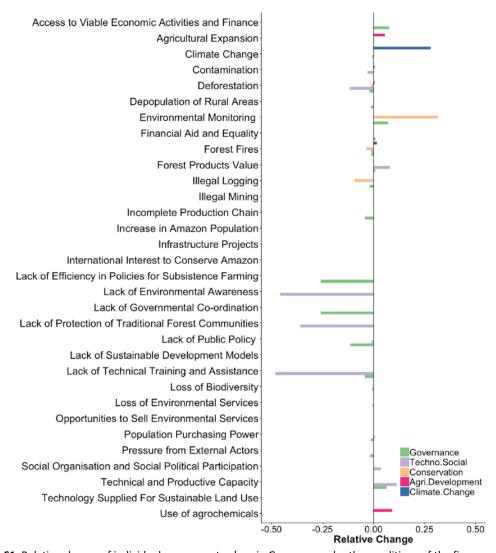


Figure S1. Relative change of individual component values in Guarayos under the conditions of the five scenarios compared with baseline.

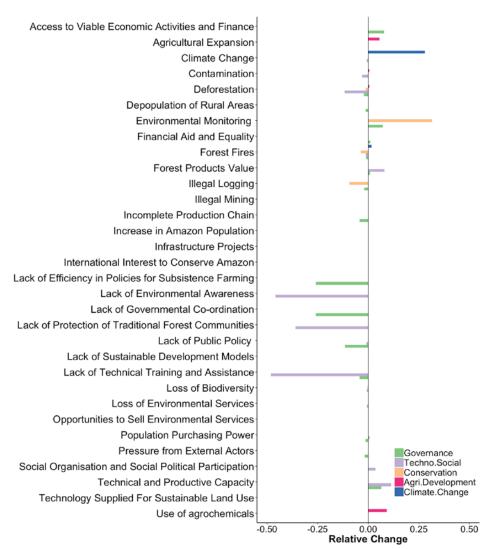


Figure S2. Relative change of individual component values in Tapajós under the conditions of the five scenarios compared with baseline.