ASSESSING RURAL DEVELOPMENT: INDICATORS BASED ON HERITAGES OF THE PEASANTRY ANALYTICAL FRAMEWORK

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ABSTRACT

The meaning of rural development has been widely discussed worldwide among the policy makers, academics and peasants. Rural development aims to improve the quality of life, while respecting the rights of all rural inhabitants. This paper describes the indicators selected to assess rural development at the household level and classifies them according to the analytical framework ‘Heritages of the Peasantry’ to facilitate the analysis of their connections. Delphi methodology was used to select the most relevant indicators, which included the participation of a panel of experts on the online survey, statistical analysis and a field test. The results show that the 23 indicators selected focused on productive, social, infrastructural, commercial, institutional and environmental concerns. The indicators chosen cover a broader range of rural development issues than previous studies and the methodology used to select them was inclusive of different stakeholders involved. However, restriction on technology access in the countryside was the bottleneck to reach the contribution of more rural inhabitants.

Introduction

Rural development has the characteristics of ‘Wicked Problems’ because it is a complicated situation and an adverse circumstance that involves many trials and tribulations; it engages a lot of people and becomes a challenge to tackle. A ‘Wicked Problem’ is complex and hard to be portrayed or answered. It is multi-causal, improperly comprehended and has many

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interdependencies. It is beyond the capacity of governments and organisations to solve. The stakeholders involved frequently disagree on the ways to address and manage these problems. Policies should overcome them. However, their effects occasionally may further complicate the situation. That is why a chronic failure of policies is one of the characteristics of ‘Wicked Problems’.

Rural development has not had a precise formulation. Several perspectives, from the technocratic to the political viewpoints, have tried to address rural development problems offering just partial alternatives. The technocratic approach is focused on economic and productive answers to rural development challenges. On the contrary, the sociological approach highlights the needs of rural people. The socio-technocratic approach emphasises on the competitiveness and the political approach on the rights of the rural population (Pachón-Ariza, Bokelmann, & Ramírez-Miranda, 2016b).

These alternatives are not correct or incorrect; they are just incomplete and have influenced the public policy based on economic pattern. That is why they have often led to unexpected consequences (Brown, Harris, & Russell, 2010), which sometimes are adverse to the environment, but especially to the rural people who remain isolated, illiterate and trapped in poverty.

An option to tackle the ‘Wicked Problem’ is transdisciplinary approach that addresses the entire problem and connects the inter-relationships among a complete range of causative influences. It tries to integrate all the problems and find multidimensional solutions. For this purpose, it must take into account as many stakeholders and thoughts as possible to identify all the related matters. To do this, we need to determine the indicators that reflect the reality of rural territories through an inclusive methodology and analyse these factors in a comprehensive framework such as heritages of the peasantry.

Heritages of the peasantry is an analytical framework proposed to address rural development in a holistic way, motivated by the fact that, so far, the proposals have focused on specific topics instead of an integral vision. Initially, it is important to remark the rural development goal. In simple words, it aims to improve the quality of living while respecting the rights of all rural inhabitants. For the purpose of reaching this goal, the peasantry must identify, appraise and use all the heritages that they have. Accordingly, the peasants hold seven kinds of heritages: cultural, social, economic, human, institutional, natural, and physical. The ancient knowledge, traditions, customs, history, behaviours, beliefs and production manners of the peasantry become a heritage and based on it, they can improve their quality of life and ensure that their rights are respected.

Heritages, analysed in the space of the patrimony, are those structures, concepts, principles and attitudes considered as momentous by a social group because they guarantee the survival of its culture and identity (Figure 1). For the current analytical framework, heritage and patrimony are pondered in the same
mode; however, both terms are contemplated in a different scenario from one of the ‘capitals’. As heritage and patrimony belong to culture and identity, they do not have a monetary value.

Hence, they are beyond the market; people cannot buy or sell them because identity and culture are not commodities.

**Figure 1: Importance of Heritages of the Peasantry**

Indicators of rural development, analysed through the analytical framework of heritages of the peasantry, could be an alternative to achieve a strategy through which rural inhabitants, in conjunction with governments, could construct consensual public policies. The goal of these systems must be to improve the quality of life while respecting the rights of all rural inhabitants.

Previous investigations on the issue of rural development indicators have been conducted throughout the world. Some of these enquiries have taken sustainability or environmental approaches into consideration (Alfsen & Greaker, 2007; Ciegis, Ramauskiene, & Startiene, 2015; Schultink, 2000). Some have considered a productive point of view (Binder,
Feola, & Steinberger, 2010; D. Rigby, Woodhouse, Young, & Burton, 2001; Rossing et al., 2007), while others have focused on particular themes such as infrastructure, electricity or clean water access (Barrios, 2008; Caschili, De Montis, & Trogu, 2014; IIskog, 2008). However, just a few have taken into account a broader range of topics. Hence, the measurement of rural development in an integral sense has been insufficient. A possible explanation for this statement is because of the complexity of the rural development grounds.

This paper seeks to describe the methodology used to select rural development indicators based on the analytical framework of heritages of the peasantry in order to widely address a ‘Wicked Problem’ like rural development.

Focus of Previous Research on Rural Development Indicators

The kind of previous research focused on rural development indicators can be classified into four categories: firstly, those studies that privilege environmental matters; secondly, those related to productivity; thirdly, those focused on infrastructure issues; and finally, integrative and holistic studies. Following is a short description of each one.

Focus on Sustainable Development and Sustainability: In the international literature many researches deal with the sustainable development indicators. The basis of sustainable development is the Brundtland statement and remarks on the economic, social and environmental pillars defined by the World Summit on Sustainable Development in 2002. Human beings are at its core. That means an anthropocentric and pragmatic orientation concentrated on people and their welfare. Human life shall remain in a kind of balance among these pillars, featured by the harmony among health, productivity and nature. Human needs constitute the basic concern. Regarding human needs, Maslow’s Theory and Human Scale Development perspective provide dissimilar viewpoints on this issue; primarily distinguishing between the kind and quantity of requirements and the ways of their satisfaction.

In this scenario, some authors have proposed different types of indicators to measure both sustainability and sustainable rural development. Farrow & Winograd (2001) measured rural sustainability in Central America based on a land use model. The most interesting issue of this research is the use of Geographical Information Systems (GIS), combining several kinds of data with a more active tool. The importance of use of GIS is the likelihood for policy makers to define better policies based on the transformations over time and space.

Focus on Production: The current feature of this kind of research on productive matters is environmental concerns and multi-functionality of agriculture. Multi-functionality, in essence, means that rural areas offer not only food and raw materials, but also other kinds of public goods such as landscapes, protected lands, water, oxygen, spaces for relaxation, entertainment and so on. In this scenario, Rossing et al., (2007) described an interesting set of indicators to assess the multi-functionality of agriculture in France.
Germany and The Netherlands. Based on this research, Mittenzwei et al., (2007) proposed indicators relating assessment of this multifunctionality with the Common Agricultural Policy Regional Impact Analysis (CAPRIA). They organised indicators into four types: food security; rural viability, landscapes and environment, focusing on topics such as farmers’ surplus, farmland necessities, feed requirements and nutrient requirements.

Similarly, Cowell & Parkinson (2003) conducted a research based on productive indicators such as ‘land area and energy consumption’ to reorganise food production in the United Kingdom. After a sophisticated evaluation of different types of crops and according to the consumption habits of the British society, they concluded that ‘it is preferable to import some foodstuffs rather than produce them in the UK.’ Those are some examples of productive indicators used to assess rural areas beyond the conventional analysis based on crops productivity.

Focus on Infrastructure: Another crucial topic related to rural development is physical infrastructure. Regarding this problem several researchers have conducted, especially in developing countries, investigations to assess the advantages to construct physical infrastructure in rural areas. According to Shen et al., (2012), the current situation in developing countries is that investment in infrastructure is lower in the countryside than in urban ones. This condition could be different in the rural areas located near the principal cities. On the contrary, areas located far away from medium or big cities usually do not have substantial investments to improve the quality of their infrastructure. Some examples are unpaved roads, reduced access to clean water, absence of sewage systems, poor electricity or insufficient health centres and school buildings. The research suggests that a good infrastructure generates economic, social, environmental and ecological benefits. Equally, they concluded that 19 indicators should be taken into account at the moment of defining investment projects to develop infrastructure in rural areas.

Focus on Integrative Point of View: Finally, it is important to mention examples to evaluate rural development in a holistic way. The proposal of Kageyama (2004), in addition to defining rural development, also aims to measure it. She highlights the difference between the terms ‘rural’ and ‘agricultural’. Their multi-functionality and pluriactivity characterise rurality. The investigation remarks that rural and urban are inter-connected and their boundaries are difficult to define. Despite this fact, the author argues that rural development matters are extremely complex, it is necessary to take into consideration all the factors involved to approach these problems. In this scenario, she suggests a network of indicators to measure rural development in Brazil. She divided them into four groups: environment, population and migration, economics, and social well-being. The main conclusion is that beyond the increment of incomes, the improvement of infrastructure or the rising productivity, rural development needs a multi-dimensional approach to comprehend its real complexity. Based on this investigation, Correa, et al., (2008) used similar indicators to
evaluate the rural regions in North East and Southern Brazil. Similarly, Melo and Parré (2007) constructed an Index of Rural Development for towns in the State of Paraná (Brazil). Even though both studies share the same principles used by Kageyama, in the last case the authors used indicators for productive topics such as the number of hectares and productivity of corn and soya bean, as well as the number of poisoning cases by agrochemicals.

Bryden, et al., (2002) have done an impressive work to measure rural development in the field of public policies of the European Union. The primary concern of this research was the problem of spatial scale and related data availability. They defined three major groups of indicators: social well-being, economic structure and performance, population and migration. They selected 500 primary indicators and in the end, 55 were chosen. The results showed that despite the enormous investments in public policies, data availability in all the member countries differed sharply. Besides, although the general vision of systems holds a territorial approach in many places the persistence of a disciplinary vision was evident.

Some International Institutions such as the Organisation for Economic Co-operation and Development (OECD), the World Bank (WB) and the United Nations (UN) have defined these kinds of indicators for their work. The OECD has proposed 20 indicators organised around four different topics: social, economic, demographic and environmental (Lehtonen, 2008). Meanwhile, the UN has defined four components of rural development: technology, ecology, society and economy. A successful policy based on these elements should diversify the economy, increase employment, generate access to useful services and avoid migration (United Nations, 2009). The WB approach to reducing rural poverty proposes five indicators: number of households below the poverty level, social and physical well-being, infant mortality rate, gender equity and food security (World Bank, 2000).

The conclusion of all these investigations is that beyond the type of indicators used, the availability of data is a serious problem because the collection process is expensive and difficult, to do regularly. Also, the reliability of the information varies according to the place – more complicated to analyse information from distant regions where infrastructure is deficient.

Methodology

The complexity of some problems requires engaging as many stakeholders as possible to get a broad range of opinions and thus, identify the fundamental indicators that allow recognising as many factors affecting in the case of rural development. The study used Delphi methodology to fulfill this gap. This method is characterised “by structuring a group communication process, the process is effective in allowing a group of individuals, as a whole, to deal with a complex problem” (Linstone & Turoff, 2006:3).

The Delphi method has been employed to tackle the problems which are extremely complex. It has been widely used in economics
and it is useful to gather the contribution of people with diverse backgrounds, locations and expertise or when time and budget do not allow to organise many meetings (Linstone & Turoff, 2006). Okoli and Pawlowski (2004) describe deeply the pros and cons of the Delphi methodology showing a detailed example of its application in Sub-Saharan Africa. Similarly, Landeta (2006) evaluated the validity of the method especially in social sciences analysing three studies where experts were contacted to get their judgment to make policy decisions. Based on these suggestions, to improve the method, the current paper used seven steps to identify the main indicators to assess rural development.

1. **Literature Review**: Initially, 300 indicators were selected based on a comprehensive scientific literature review that measured rural development, sustainable development in the countryside and other rural concerns. Later, the first selection of these indicators was carried out based on relevance and difficulty in measuring them. At the end of this phase, 108 indicators remained.

2. **Second Selection of Indicators**: The second selection was carried out based on similarities. For example, more than 10 topics related to infrastructure were grouped into one indicator. At the end of this stage, 86 indicators remained.

3. **Panel of Experts**: The third phase of selection used the methodology of the Vester’s Matrix. The Matrix aims to identify the possible influence that, in this case, an indicator could exert on others. Usually, this tool is used to analyse complex problems such as rural development. The result is a classification of the variables in four types: ‘Critical Variables’, those that have an extensive influence on others, but simultaneously suffer the influence of others; ‘Active Variables’, those that have a broad influence on others, but do not suffer the influence of others; ‘Buffer Variables’, those that at the same time exert and suffer a minimum impact. Finally, ‘Passive Variables’, those that suffer full influence of others, but that exert slight influence on others (Cole, 2006). Participation in Vester’s Matrix requires a comprehensive view of rural development issues. That is why 10 experts who belong to a research group with more than 10 years of experience and numerous projects and publications about rural development problems assessed the 86 remaining indicators.

   Finally, 37 indicators classified as ‘Critical Indicators’ remained. The reasons for selecting them were: firstly, the concept of panel of experts about the urgency to make a strong integration of indicators and secondly, the critical indicators, theoretically, create a kind of virtuous circle of improvement. For instance, when indicator ‘X’ improves, it positively influences the improvement of other indicators, which will boost the enhancement of the indicator ‘X’ again.
4. **Online Survey:** This phase aimed to make a final selection of the indicators based on the participation of a broad kind of stakeholders involved in rural development. The 37 indicators (Figure 2) were assessed according to the characteristics of a good indicator described by M.J. Rigby, et al., (2003) and the United Nations (2009): reliability, feasibility, relevance, completeness, comparability and sensitiveness. The participants rated the indicators on a scale 1 to 5, where (1) was low level and (5) was high level.

![Figure 2: Indicators Selected for the Global Survey](image)

**INDICATORS OF GLOBAL SURVEY**

1. CLIMATE CHANGES
2. LAND USE
3. BIODIVERSITY
4. RECYCLING
5. FEMALE PARTICIPATION
6. LABOUR AVAILABILITY
7. SOCIAL ACKNOWLEDGMENT
8. RESPECT TO BELIEFS
9. PERSPECTIVES ON LIFE
10. USE OF AGROCHEMICALS
11. COMMUNAL VALUES
12. SECURITY
13. PLURALITY
14. MARKET GOVERNANCE
15. INCOMES
16. ENTERPRENEURISM
17. LAND CHARACTERISTICS
18. TECHNICAL ASSISTANCE
19. NATALITY/ MORTALITY RATE
20. ADVANTAGES FOR MARKETS
21. MAIN CROPS
22. CREDITS AND SUBSIDIES
23. FUNDAMENTAL RIGHTS
24. JURIDIC SYSTEMS
25. NEW MARKETS
26. PEASANT ORGANISATIONS
27. RURAL POLICIES
28. FAMILY STRUCTURE
29. PROMOTION OF PUBLIC POLICIES
30. PARTICIPATION IN DECISIONS
31. MIGRATION
32. CHILDHOOD DEVELOPMENT
33. ACCESS TO MARKETS
34. INFRASTRUCTURE
35. PREVALENCE OF DISEASES
36. MONOPOLIES
37. CONNECTION BETWEEN MARKETS

5. **Selection of Participants:** The participants of the online survey were organised into six different groups: peasants, professors, lecturers, students of a master in rural development, professionals and employees of public or private institutions focused on rural development. All the participants were chosen randomly. The selection of professors was made taking into account the authors of the papers consulted in the literature review (step 1) and other lecturers specialised in rural development. Students and professionals were selected from the websites of the universities. Peasants were chosen from the website of the international organisation ‘La Via Campesina’ and employees were selected from the
Statistical Analysis: The statistical methodology to find the indicators used two different criteria:

A. A high score in the survey. Assuming that a grade of 3.0 is an acceptable level on a scale of 1 to 5, were selected those indicators which achieved an average rating of 3.75 or greater on all the characteristics of a good indicator described previously (step 4).

B. Principal Components Analysis. It is a multivariate technique that allows grouping of indicators according to the relationship among them. The method used to build different kinds of indices allows the assessment of the significance of complex matters. In this case, the selection takes into consideration the first six components. That means the indicators retain 7 per cent of the variance. The final indicators selected were those whose index was above 75 points on a scale from 0 to 100.

Pilot Test and Final Selection: A pilot test was carried out in the city of Florian, in the State of Santander (Colombia). Five families participated in it. All the indicators were assessed according to their understanding. Equally, the best way to inquire sensitive topics such as domestic violence, female participation and the spending of incomes were evaluated.

Results and Discussion

190 respondents from 29 countries answered the online survey. Among the total respondents, 153 answered all the questions. The statistical analysis was made based on the respondents who evaluated all the issues. In the current case, taking into account a total population size of 1550 people, 190 answers correspond to a confidence level of 95 per cent and a margin error of 6.7 per cent. Nevertheless, from the total answers, 153 people answered all the questions; this number corresponds to a margin error of 7.5 per cent.

It is important to remark that similar researches conducted by electronic survey showed a similar participation rate. For instance, Miller (2001) got 54 answers in the first round of questions and 37 in the second one in a research where the goal was comparable to the current. He used the second series of a survey to identify the indicators of sustainable rural tourism. Analogously, Wang et al., (2003) got a total number of 126 answers in the study to classify the indicators of reproductive health for China’s rural areas.

Even though other studies that used electronic survey as a methodology to gather information showed the highest rate of responses (Green et al., 2006; Kim, Gerber, Patel, Hollowell, & Bales, 2001), the current study combined a logic...
flow of steps to select from a broad range of factors, the most relevant topics according to the perception of several stakeholders related to rural development, including an expert group and people with different backgrounds.

At the end of the selection process, 23 indicators were chosen. Figure 3 shows all the indicators ordered according to the grade received.

**Figure 3: Indicators Selected**

The indicators selected cover a broad range of rural development concerns, but besides typical topics such as production level, technical assistance and enterpreneurism, the selection includes aspects that are usually forgotten in rural development studies which include social topics like participation of rural women, respect to social, spiritual and political beliefs by relatives and neighbours or the perspectives that the rural inhabitants have about their lives and future of the countryside.

Social acknowledgement is a crucial aspect included in the indicators. It refers to the recognition by the entire society about the significance that the rural society and its inhabitants have. The rural society's identity and its culture belongs to this indicator. Beyond the productive and economic topics, traditionally associated with rural development, the peasantry has recently called on the urban inhabitants to recognise its rights as members of the society (Desmarais, 2008; Rosset, 2003).
Precisely, heritage of the peasantry framework recognises the importance of the rural identity and culture and at the same time aims to verify, through the indicators selected, the aspects to enhance that peasants want to reach the goal of rural development, improving the quality of life and ensuring that the rights of all rural inhabitants are respected. Regarding these indicators, it is important to note two features. First, according to the number of heritages that the indicators belong, there are two kinds of them: simple and multiple. Simple indicators are those that belong to just one of the heritages and help to promote it. Multiple indicators are those that belong to more than one of the heritages. In essence, multiple indicators are synergistic. It means that these indicators improve rural development in an integrated way. Second, the indicators aim to measure the top concerns of rural development—the supportive, conservative and inclusive topics. These themes seek to reach the rural development goal described previously. The supportive subjects are related to access to balanced markets, fair incomes, adequate infrastructure and so on. The conservation themes are related to ecological and environmental issues, which are strongly associated with rural activities and the production forms of the peasantry. Some examples are the concerns to care water, land, seeds or biodiversity. Finally, the inclusion subjects are related to the equity for the peasantry such as political issues and agrarian policies (health, welfare or education).

The indicators selected are organised according to the heritages of the peasantry analytical framework (described previously) as given below.

**Cultural Heritage:** The identity of the communities is the central feature of cultural heritage. It is intangible and is expressed mainly by the behaviours and manners of the peasantry according to their traditions and folklore. In other words, cultural heritage exalts the creativity of the peasants. In the case of cultural heritage, the indicators designated are biodiversity, female participation, family structure, migration, communal values and finally respect to beliefs. Figure 4 shows the principal features of each indicator.
These indicators try to highlight the importance of heritages. In the case of cultural heritage, all the indicators aim to identify topics closely related to conservation of identity, behaviours and manners. For instance, biodiversity is essential for cultural heritage due to conservation of traditional seeds and endangered animal species. It could help to preserve how the peasantry acts.

**Physical Heritage:** Physical heritage is one of the most important means to improve life in rural areas. The presence or absence of good infrastructure could determine that a rural community remains isolated, without the likelihood to access the markets or establish permanent relationships with other communities. The availability of both public and private infrastructure, indeed, will allow improvement of quality of life of this community in different ways. Figure 5 shows the indicators (more narrowly) related to physical heritage.
Undoubtedly, infrastructure is one of the most important indicators. In it, the aim is to try to establish the perception of a household about the described matters. However, it is important to compare their perceptions with the reality observed in the rural areas because, sometimes, perceptions could be different from the reality. For instance, a passable dirt road could be qualified as adequate or unusable, depending on the viewpoint of the customer. Other indicators remarked are incomes and entrepreneurism. Obviously, family income is a crucial topic. However, it could be more interesting to find out the participation of household members at the moment to make a decision on how to spend the money. The reason is that money is more likely to be used to improve family constructions if women participate in the decision-making process.

Social Heritage: The base of social heritage is trust and ways to establish relationships with family members, colleagues, and neighbours, both individually and collectively. Belonging and participating in social networks will allow strengthening of the ties of trust, which will allow
people to take part in collective actions looking for the improvement of quality of living. Figure 6 shows the seven selected indicators: female participation, social acknowledgement, respect to beliefs, fundamental rights, peasant organisations, family structure and migration.

Indeed, the role of women in generation of trust in a household is noteworthy. However, it is defined by the importance that women hold in the family. This issue is narrowly related to the acknowledgement of the importance of peasantry in the society as well as the deference to the diversity of viewpoints. Perhaps topics such as migration or family structure are commonly mentioned when social heritage matters are being discussed. The reason for it is family is the ground in which each member of the society initially interacts. The definition of future behaviour of an individual and its adequate integration into the society depends on the quality of these first relationships.

**Figure 6: Indicators for Social Heritage**
**Institutional Heritage:** It is obvious that the interaction of all heritages determines the improvement of the quality of life in rural areas. Precisely, institutional heritage focuses on normative ways to determine, construct and implement formal and informal rules. These rules organise ways of access to resources and power, in other words, self-regulation and social coexistence. Figure 7 describes the indicators selected: communal values, security, advantages for markets, main crops, peasant organisations, rural policies, and access to markets.

**Figure 7: Indicators for Institutional Heritage**

Some rules organise the participation of indicators into two different scenarios: public policies and markets, which perhaps are the most influential settings related to the improvement of quality of rural life. However, issues such as solidarity are on the ground of participation process. Indeed, a safe neighbourhood creates the best environment to participate in the creation of consensual rules. Safety, solidarity and confidence allow, in conjunction with other topics,
the participation in peasant organisations and involvement in the definition of rural policies. Atmospheres characterised by solidarity, collective work and respect to arrangements result in a favourable environment for market engagement.

**Human Heritage:** Human Heritage is directly related to knowledge, especially to traditional expertise. This issue is fundamental to rural areas because based on this understanding the new generations of peasants will safeguard some behaviours and manners. However, it is relevant to point out that some traditions are not worthy to follow, for instance, those related to domestic violence. In the same way, the acknowledgement of traditions and folklore does not mean that cutting-edge production must be rejected. It is not a call for a Luddite tendency. On the contrary, the new technological advances must be mixed with the traditions to find out a reliable way to get things done, especially those that look for protecting the environment and traditions. In this scenario, Figure 8 shows the indicators selected: female participation, social acknowledgement, fundamental rights, rural policies and perspectives on life.

**Figure 8: Indicators for Human Heritage**
The issues, commented by the indicators selected, try to find the role of women in the conservation and transmission of traditional knowledge. Equally, it takes into consideration the awareness of peasantry prospect, especially regarding rural policies. In this scenario, access to education, information and culture by the peasantry allows the possibility of mixing traditional knowledge and last advances in technology.

**Natural Heritage**: Natural heritage maintains a narrow relation to those spaces where human intervention has not affected natural resources over time, so that current and future generations can appreciate and be sensitive to them. Natural heritage embraces landscapes, animal and vegetal species, seeds, water and other resources and natural phenomena such as the aurora borealis or water sky. Regarding natural heritage, it is important to remark topics such as biological resources and their use according to traditional knowledge, mainly looking for its preservation. Indeed, after the evidence of multi-functionality and pluriactivity of rural territories, natural heritage becomes as transcendental as productive matters.

**Figure 9: Indicators for Natural Heritage**
Figure 9 shows the indicators selected for natural heritage: land use, biodiversity, recycling, technical assistance and land characteristics. Issues such as traditional ways to preserve and protect the soil and their features as well as the type of seeds used now-a-days to cultivate are remarked in the indicators selected. Biodiversity tries to identify if some seeds, as well as some animals, are no longer used or spotted in rural areas. Technical assistance could become a crucial matter to achieve the goal of protection of the biological resources available in rural areas.

**Economic Heritage**: Traditionally, economic growth has been privileged as the way to reach development. In rural areas, economic growth as a result of the increase of agriculture production has been the way in which the peasantry has reached success and hence improved its rural development level. However, this approach has not been holistic to understand the complexity of these matters. That is why the discussion about the ways to earn by labour is related to economic heritage; but especially the use of these economic resources to improve the quality of life of the households. For this purpose, economic heritage takes into consideration different topics. Figure 10 shows the indicators selected: security, pluriactivity, income, entrepreneurism, land characteristics, main crops, access to markets, technical assistance and advantages for markets.

**Figure 10: Indicators for Economic Heritage**
The indicators hold particular emphasis on productive practices as well as possibilities for the improvement of this production, such as prospects for associated work or operational support. The spending of income is a distinctive fact to improve the quality of life. That is why this matter is highlighted for the purpose of identifying the participation of household members in the making of these decisions.

Conclusions

From the methodological point of view, this paper described the method used to select basic indicators to evaluate rural development step by step. The method took into consideration a wide group of stakeholders involved in rural issues. That is why the indicators selected tried to cover many of the problems of rural issues in an eclectic way. The participation of several stakeholders from different contexts allows the indicators to become useful for rural areas from diverse backgrounds. Even though the methodology permits the participation of lot of people from different places and backgrounds, it excludes those that do not have access to internet connection or an email address. Similarly, more people can participate depending on the design of the survey, which must be attractive and simple.

On the other hand, it is important to remark that validation of these indicators is a new step in the research. Validating the indicators will allow other people concerned in rural development to use both the methodology and indicators to work in the countryside. These indicators are used to diagnose particular situations at the household level, but at the same time, they can identify activities, either of public policy or family actions, to improve the quality of life and ensure respect for the rights of rural people. In other words, they can be used to improve the rural development level.

At the end of the selection process, a question emerges: are these indicators usable everywhere? In other words, would the indicators be useful to measure rural development in a broad way in different places? An example is the way to enquire particular topics in various contexts, for instance, security or domestic violence issues in refugee settlements. Another distinction evidently is the availability of information in rural areas. However, both the analytical framework of heritages of the peasantry and its indicators become an alternative to consolidate baseline information for rural territories.

Notes

The word peasantry is a generic and includes all the rural inhabitants: peasants, family farmers, shepherds, indigenous people, fishermen, landless people, pastoralists, artisans, rural workers and the like.
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