Poverty And Diversity Of Livelihood Systems In Post-Apartheid Rural South Africa: Insights Into Local Levels In The Eastern Cape Province

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Poverty and diversity of livelihood systems in post-apartheid rural South Africa: insights into local levels in the Eastern Cape Province.

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Abstract

This paper highlights the plight of black rural areas in South Africa, in which deep poverty and weak subsistence agriculture are embedded. The apartheid policy and its numerous measures are the first causes of such a situation. Besides, the existence of a relatively well-developed non-agricultural labour market also maintains productive agricultural activities at a low level.

This paper attempts to contextualise those elements in the Eastern Cape province. At province level, the paper first provides the main features of poverty and livelihood systems. Then, typological approaches are used to better understand the socio-economic diversity of local livelihood systems, beyond generic statistics.

The results show that diversity is a major trait of local livelihood systems. Pensions and remittances are the pillars of livelihood systems, whereas local off-farm job opportunities remain scarce. Farming activities, although widespread, form a significant source of cash income for a small proportion of households.

The factors influencing such a diversity and the evolution of types are discussed. It is confirmed that rural areas in Transkei follow some major trends that have been identified at global level: diversification of rural livelihood at household level, de-agrarianisation and de-peasantisation at community level.

1. Poverty figures and the plight of black rural areas in South Africa

South Africa is a lower middle-income country, which agriculture’s share is exceptionally low, as compared to most other countries of its category. Even though displaying a well-performing and exporting commercial sector, the country’s agriculture accounts for less than 4% of GDP and 14% of the labour force. Besides, approximately half of the country’s population lives in poverty.

The rural population of South Africa is about 17 million people, forming 1.5 million households on commercial farms (mainly white) and 2.3 million households in the former homelands. While poverty is not primarily a rural issue, poverty rates are higher there (incidence of 71.6%), along with the risk of becoming and remaining poor, compared to urban areas (May, 1998). Poverty is related to race: some 61% of Africans and 38% of coloured people are poor, compared with 5% of Indians and 1% of whites. Households headed by women are more likely to live in poverty than households headed by men (Forgey et al., 1999).

These persistent traits have two major causes.

The first one directly derives from the past apartheid policy. It excluded black people (76% of the population) from owning or renting land outside the 14% of the country that was delineated as reserves, then bantustans or self-governing territories. Moreover, land remains mostly state-owned, and granted to users through traditional authorities and regulations. These areas are typically rural poor areas (“poverty traps”, May, 1998), where most people live under harsh conditions of deprivation. Apartheid involved incentives, laws and institutions that favoured large farms and discriminated against smaller, labour intensive farming systems (Lipton et al., 1996). Apartheid also gave large white farmers privileged access to natural resources, financial and agribusiness facilities, and rural infrastructures, while black areas still suffer severe backlogs on all the above listed.

Second, non-agricultural labour market is relatively well developed in South Africa (mines and industries) and off-farm labour long provided higher paying opportunities than farming for rural black people (Low, 1986). In line with the household economic model (Ellis, 1993), such off-farm market dominates households work incentives and labour allocations. After migration to off-farm employment, labour remaining in the rural areas is first allocated to production to home consumption, and, only at last, remaining labour is allocated to production for sale. Off-farm employment opportunities seriously deplete the available labour supply of rural households for farming. Workers remaining on the farm are those with the lowest opportunity costs as defined by the external labour market. The off-
farm labour market favours men. Thus, many rural households are de facto headed by women or pensioners for whom household and child rearing responsibilities pre-empt extensive field labour in agriculture.

Since the mid 1980’s, the apartheid system has been gradually dismantled, and since 1994 the new democratic South Africa strives to iron out distortions and discrepancies. However, the mere removal of past biases against rural black areas does not automatically strike a balance between white and black rural areas. South Africa’s rural areas face severe backlogs in infrastructure, services, human capacity and self confidence, access to information, markets, etc., along with an often poor access to natural resources. The government undertook to reduce rural poverty, and adopted a programme of land reform, new water legislation and improved service delivery in rural areas (May, 1998; Kirsten et al., 2000; Brooks, 2000). At the same time, it adopted clearly liberalism as economic and developmental guideline. Consequences are: State withdrawal from its former commitments and controls, liberalisation of markets, decentralisation, transfer of competencies towards local management and decision structures.

Yet, in such a context, policy makers are struggling to match a social, rights-based, gap-filling approach and a productivity-oriented approach, based on economic performance. The high cost of delivering services to rural communities with limited economic potential results in tensions between goals of fiscal discipline and those of decreasing poverty and inequality (May, 1998).

A recent participatory poverty assessment revealed that rural people identify the poor in terms of how they generate their cash income (doing cheap labour, working for kind instead of cash, household head living alone) and its stability (Carter & May, 1999). May (1998) indicates that poverty typically comprises ill health, arduous and hazardous work for low income, no power for change, and high level of anxiety and stress.

Van Averbeke (quoted in Verschuren, 2000) suggested standards for defining a poverty line for rural South Africa (Eastern Cape). He stated that an adult should have R2700 per year¹, and a child younger than 15 years old should have R1200 per year. However, this standard does not consider self-consumption from crops or livestock, nor it considers the uneven access to all goods at reasonable prices by rural households. Moreover, it overlooks that poverty is not only about low cash income. At national level, May (1998) identified a poverty line reflecting the monetary value of consumption that separates the poor from the non poor. This cut-off point considers the poorest 40% households (just under 50% of the population) as poor, giving a monthly household expenditure level of R353 per adult equivalent.

This paper attempts to contextualise the situation above described, through case studies in the Eastern Cape province. It strives to highlight the circumstances and their causes that exist at community level, while official statistics often merge rural and urban data, and thence disregard local diversity. At province level, the paper first highlights the main traits of poverty and livelihood systems. Then, socio-economic approaches are used to better understand their local diversity and dynamics.

2. The Eastern Cape Province as a case study

2.1. The province level

Economy and the development features of South Africa show a dual character. The Human Development Index is 0.677 for the country as a whole. However, Gauteng province (mostly urban, including Johannesburg and Pretoria) and Western Cape province (urban, including Cape Town, and commercial farming) have a HDI over 0.80. Those two provinces did not include any Bantustan area during apartheid era. The Eastern Cape province has a HDI of 0.507. It included former Ciskei and Transkei.

¹ 1US$ = 8.5 Rand (Sept. 2001).
The basis for the bantustan structure was laid early by the British in the 1890s with the introduction of a Council system for the Transkei, and the incorporation of headmen into the system. The self-administration process was set up with the implementation of apartheid in the 1950’s, and continued until Transkei and Ciskei became nominally independent in 1976 and 1981 respectively.

The Eastern Cape area was particularly affected by the major policy changes over the last ten years, with the gradual removal of Apartheid legislation since 1990, the re-amalgamation of the two independent homelands in 1994, and the creation of the current Eastern Cape Province (see map).

Bembridge (1984) described the history and the main socio-cultural traits of the Transkei area. He especially underlines the prominence of labour out-migration since the end of the 19th century and its implication on livelihoods and activity systems at household level in rural areas. It is currently estimated that one quarter of the total South Africa mining labour comes from Transkei, resulting in the fact that about 60% of the adult inhabitants (15 to 64 years old) are female (Verschuren, 2000).

Eastern Cape is currently one of the poorest provinces in South Africa, with 70.7% of its 6.2 millions inhabitants classified as poor. It also shows the highest unemployment rate, 48.5% (Central Statistics Service, Population Census, 1996; Statistics South Africa, Rural Survey, 1997). As a result, a large number of households rely on pensions (40%) or remittances (23%) (at national level, pensions represent 23% of the income of poor households compared to 5% for the non poor; May, 1998). Wages represent 23% of household income, while farming represent only 4% on average. Poverty in this province is deeply entrenched with 27% of households earning less than R400 per month, and only 11% earning more then R1500 per month.

The province accommodates 3.7 million non-urban inhabitants, while the population of both former homelands is also 3.7 million. Even though not superimposed, those two figures greatly overlap.

Map 1. Location of the current Eastern Cape Province, inclusive of the two former homelands Ciskei and Transkei.

Within the rural areas of the Eastern Cape province, 84% of the households access land for agricultural activities (crops), and 76% access grazing areas. More than 95% of households farm mainly for subsistence purposes. Only 3% mention profit as a reason for farming (Statistics South Africa, Rural Survey, 1997).
2.2. The community level: case studies in Transkei

2.2.1. A LandCare project in the Eastern Cape

The South African LandCare Programme is driven by the National Department of Agriculture. It is a community-based and government-supported land management programme. It is a process focused towards conservation of the natural resources through sustainable utilisation by a community with a conservation ethic, created by education and community-based monitoring of these resources. The LandCare Project of the Eastern Cape (Integrated Multiple Livestock and Crop Agricultural System Development) has been launched in 1999. The overall goal of this programme is to optimise productivity, food security, job creation and better quality of life for all.

The project has as immediate objective the creation of financial stability in targeted communities by means of agriculturally directed interventions. For the most appropriate interventions, the Project stated to first determine the needs and potential of the targeted communities and the area through socio-economic studies and establishing a link between research and application of technologies in the communities. Those studies initially focussed all their efforts on 5 especially selected communities, then extended to other communities of the Eastern Cape.

Households interviews were conducted there, according to comprehensive questionnaires including technical, social and economic topics. Then household typology schemes were set up. Most of the following data result from these surveys (Perret et al., 2000).

2.2.2. Communities’ features in Transkei area

Results at community level are first presented.

First, communities display striking demographic figures, and deep poverty traits.

Most generally, the households are extended families, accommodating about 6 persons. Old pensioners, looking after their grand children, head many households, whereas adults are often absentees. 50% of the households’ head are older than 59 years, whereas half of the communities’ population is under 15 years old. A third (33%) are headed by a woman (either single, widowed, divorced...), while 10% are headed by a married woman, whose husband works far away.

Most household heads (85%) were born in the community or married a member of the community. Only 15% are immigrants.

Among the households, about 60% earn some cash income from farming. However, only 9% use farming as their main source of cash income. About 40% of households have access to remittances from a working spouse or children (outside the community), while about 40% also have access to one or two pensions (old age- or sick-pensions). Only 9% access salaries and wages from permanent local jobs and 6% from non-permanent, casual local jobs. Five percent of households access welfare payments (childhood, disablement...).

The average household cash income is around R6 000 per annum. A quarter earns less than R2 400 p.a., whereas another quarter earns more than R8 400. Figure 1 shows the proportion of money flows from different sources in one of the studied communities (Xume), and confirms the overwhelming influence of pensions and remittances on livelihood build-up.

Most (95%) households indicated that they are short of money, at least during certain periods of the year (generally between November and March, for the poorest). Substantial number of households (about 60%) perceived themselves of not having access to enough food, at least during certain periods of the year (generally January to March). 70% indicate that they have debts outstanding.

Making use of Van Averbeke’s necessary cash income standards, Verschuren (2000) found out that 83% of the households belonging to the different communities surveyed showed a ratio available cash income/necessary cash income below 1, while 54% of households have a ratio below 0.5.
Second, those communities carry out significant farming activities, and basically, they are communities of livestock-keepers and woolgrowers.

The communities analysed here show the typical characteristics of any subsistence farming community with about 95% of households having access either to a garden (close to their residential site) or arable dry land. Only a third access a communal garden but about 85% of households grow crops in the different plots. They plant and/or plough mechanically, with a hired tractor (70%), their own oxen or donkeys (25%) or their own tractor (5%). Almost 40% have significant, regular crop production out of these fields, mainly in summer. The major crops are maize, bean, cabbage, pumpkin, potato and spinach. Only about 5% sell their products.

Even though rural households are often referred to as subsistence-oriented households, self produced and consumed food represents only about 30% of the household food consumption (on average) (confirming Fedrigo’s data, 1999). Due to conservation problems and low purchasing power, meat is seldom consumed on a daily basis, and livestock is slaughtered occasionally for ceremony purposes.

Those who grow crops point out the lack of water and droughts as the main constraints to crop production (81% of answers), then lack of fence (15%), then thefts, rocky soils and poor fertility, diseases, lack of equipment, remoteness of fields, weeds…

Almost all households own poultry (90%) and pigs (75%). Of these households only 5% are marketing animals, meat and/or eggs, and in 85% of the households, a woman takes care of farm-yard animals.

In most communities of former Transkei, there is no camp system for collective management of grazing areas, each and every one may access rangeland. Eighty percent of households have a kraal (corral), on their residential site. Ownership of livestock amongst the households is prevalent with 60% of households owning cattle (or keeping it for relatives), 70% owning sheep (meat/wool purposes), and 40% owning goats (mainly indigenous). Among the stock-keepers, only 20% of sell either animals or meat. A much larger percentage (80%) of sheep owners sell wool, mostly to speculators. Some others own donkeys and/or horses.

In Ciskei area, Betterment Planning policy and measures (imposed village land management planning and regulations on farming and livestock systems, implemented from the 1940’s up to the 1970’s), along with populations’ evictions, movements and re-settlements, were implemented more strongly than in Transkei (Lasbennes, 1999). Grazing camps usually do exist in Ciskei, and more community members are not granted arable land or grazing areas.

Table 1. shows the different combinations of livelihood and activity systems observed in Xume community. Particularly, it reveals that farming activities are very often part of those systems. 38% of the households rely on one single type of activity or source of cash income, the majority combines 2, 3 or more activities.

2.2.3. Towards a regional typology scheme of rural households

Diversity in rural settings manifests itself in the variety of responses to development actions (Capillon, 1986), in the different livelihood systems (Ellis, 2000), or in the different types of farming systems (Ruthenburg, 1980), which one can observe amongst rural households with a common economic and natural environment.

Typological techniques have been implemented in order to address this diversity (see box 1), and to accompany the planning of actions by the LandCare project. The results of different community typology schemes undertaken (Perret et al., 2000) have been gathered and synthesised.
Box 1. Typological approaches

According to Jary & Jary (1995), a typology designates “Any classification conceptual scheme. It may or may not be exhaustive within its empirical frame of reference. The role and utility of any typology is relative to the theoretical or practical perspective within which it is formulated”.

The use of typologies has a long lineage in sociological analysis. Typologies have been used in rural sociology primarily to distinguish the social and economic characteristics of farming (Whatmore, 1994). Even within this specific focus, however, farm typologies may differ in terms of (i) unit of analysis, (ii) criteria for classification, or (iii) analytical purposes.

In recent works on agricultural systems (Perrot & Landais, 1993; Landais, 1998), the term typology designates both (i) the procedure that leads to building-up household types, and (ii) the system of types itself resulting from this procedure.

A typology is usually an attempt to group activity units according to their main modes of operation and their common characteristics. Farm typologies were first applied in intensive production contexts, for diagnosis and technical change purposes (Capillon, 1986; Perrot & Landais, 1993; Landais, 1998). They tend to be extended to rural households in the context of developing rural areas (Laurent & Centres, 1990; Laurent et al., 1998; Perret, 2000). Within the framework of rural development support projects, designing a typology will imply grouping, then describing households with similar needs, with regards to the project’s objectives.

Typology schemes represent formalisations of the complexity of the rural world at local level, and analytical ways of making sense of this world.


The typology was aimed at matching the frame and the objectives of the LandCare Programme. Thus, it refers to farming activities, although attempting to highlight the diversity of livelihood systems. Criteria for classification were discussed with local stakeholders, who expressed their viewpoints on factors accounting for differences between households. It seemed relevant to distinguish pensioners from adults-headed groups. The former access a permanent and reliable source of cash income, they may have accumulated skills, assets and livestock, but finally changes might occur shortly for most of these households, whereas the latter rely on wages, remittances and/or off-farm activities, with or without on-farm activities and income. On the other hand, it seemed also wise to identify clearly the poorest among the poor, and finally those significantly involved in farming (full-time farmers). Such ideas led the manual grouping, according to a classification tree (figure 1). Further statistics confirmed the coherence and significant differences between types (Student’s t distribution test, see table 2).

The following is an attempt to build up a regional typology of households in rural areas of Transkei:

**Non-farming types**

1. Very poor single female-headed households
2. Pensioners with some subsistence farming activities
3. Off farm workers with external activities and sources of income

**Farming types**

4. Livestock-keeping pensioners
5. Off farm workers owning livestock, with off farm activities and sources of income
6. Full time farmers

The main features of each type are described thereafter. All types were identified in the different communities, although their proportions vary. Such differences seem to depend on the communities’ location: remote and deep rural communities show relatively less poverty, more full-time farming, less off-farm activities and income, than urban-influenced communities.

Type 1. Very poor single female-headed households (5 to 15% of households)

They are mainly single female-headed. Some are immigrants and were not given access to arable land. The head can be around 55-60, and then support some of her children and grandchildren, or can be young, around 30, with her young children, families remains rather small (5). They possibly access low remittances or gifts in kind by relatives (local solidarity), or welfare grants for children. When existing, spouse is away and do not work or do not send any money. The total yearly cash income is below R1200. There are debts outstanding, and no savings.

Subsistence farming activities remain scarce (no or occasional crop growing activities, with no or low yields, some farm-yard animals, no marketing). The heading woman is in charge of all farming activity. There are only few livestock, never marketed. No expenditure is dedicated to farming activities.

These households are in short food/money supply, all year round.

The strategy of such households is defensive (survival strategy), striving to get a job for someone in the household, secure some subsistence production when possible, and/or rely upon local solidarity.

Type 2. Non farming single pensioners-headed households (15 to 20% of households)

All these households access one or two pensions. Thus, their minimal annual income is R6000. Half of them combine pensions, remittances from children or external jobs’ salaries of adults. Thus, the average yearly income is relatively high (about R8500 on average). Cash income from farming is scarce and low.

A large majority of these households are widowed-woman headed. The head is 70 years old (average). They live with some of their children and grandchildren (6.5 members on average, mostly adults).

Most of them grow crops in a garden or arable piece of land, with low yields and no marketing. Chicken and pigs are self-consumed as well. Some households own few cattle, and some sheep or goats, also slaughtered for self-consumption. They do not market animals or meat. A small quantity of wool may be sold to speculators. The heading woman is involved in each and every decisions and activities on farming.

Expenditures for farming activities are around R300 (mainly for seeds, tractor hiring, some vet-medicines).

Such households are mainly supported by pensions, although aiming at some subsistence farming and access to complementary external income for the adults. The main threat is the head’s decease, resulting in pension loss.

Type 3. Off farm workers with external activities and sources of income (10 to 40% of households)

All these households have off-farm activities or sources of income. In most of them, the spouse or a child works outside the community and send remittances monthly to the household. In other cases, the spouse access local occasional or permanent jobs, or a disablement-welfare grant. The head may either be male or female, about 50 years old on average. The household accommodates 5.5 relatives on average, adults and children. Available family labour force is around 2 on average.

The total yearly income is extremely variable (around R3000 on average). Income from farming activities is scarce and low (less than R100/year). They spend R1700/year on average for food supply.

Most of them grow crops in a garden or arable piece of land, with low yields and no marketing. Chicken and pigs are self-consumed as well. Some sell piglets occasionally. The heading woman is involved in each and every decisions and activities on farming, and takes care of crops and farm-yard animals with children.
These households own few livestock, for self-consumption, wealth storage. None is marketed. Those owning sheep can occasionally sell small quantities of wool to speculators. Decisions on livestock are made by the heading man or the spouse in case of remote off farm activity by the husband. Females and children take care of livestock.

These households point out sheep diseases, and breeding problems (no mating) as their major constraints on farming. Expenditures for farming purposes are R300 on average.

Such households aim at securing an external sustainable source of income, along with some farming for subsistence and some additional income (based on opportunities). Accumulation of capital and social status through livestock is also part of the strategy. Job loss, as major source of income, is the major threat.

Type 4. Livestock-keeping pensioners (12 to 25% of households)

All these households access one or two pensions. Thus, their minimal yearly income is R6000. Half of them combine two pensions and/or remittances from children or external jobs’ salaries of adults. Thus, the average yearly income is relatively high (about R9000 on average). For most of these households, farming is gainful and represent R550 on average.

A large majority of these households are headed by a couple of pensioners (70 year-old on average). They live with some of their children and grandchildren (about 6 members on average). The average labour force is about 2.

Most of them grow crops in a garden or arable piece of land. Some have significant yields and market vegetables occasionally and locally. Chicken and pigs are self-consumed. The heading male is involved in each and every decisions and activities on crop production (with or without support of his spouse and children), whereas pig and poultry management remains a female activity (often with children support).

These households own large stock. Sheep and goats are slaughtered for self-consumption, and some lambs are sold locally. Wool is also sold to speculators. The main constraints that are pointed out by these stock-keepers are sheep diseases and ticks, and limited access to medicines, vaccines, and dipping tanks... Limited access to water and theft are also mentioned.

Expenditures for household supply in food reach R1700/year on average, whereas expenditures for farming activities are around R550 on average (mainly for seeds, tractor hiring, vet-medicines).

Pension remains the major source of income, however, these households aim at self consumption & subsistence farming, accumulation and social status through stock keeping, access to complementary external income for the adults, marketing for additional income.

The main threat is the head’s decease, resulting in pension loss. Also, transmission of farming assets and land rights to younger relatives may be an issue.

Type 5. Off farm workers owning livestock, with off farm activities and sources of income (13 to 18% of households)

All these adults headed household make a living with off-farm jobs. Most husbands work outside the community and send remittances on a monthly basis to the household. Some combine it with old age-pension when they accommodate an old relative. Total yearly income is around R7000 on average. All of them generate income out of farming (R200/year on average, see footnote 3).

All these households are headed by a couple of adults (around 50 years-old on average). They live with their children (7.5 members on average). Family labour force is around 2.5 on average.

All of them grow crops in a garden or arable piece of land. Some have significant yields. Chicken and pigs are self-consumed. Piglets or poultry can be occasionally sold locally. Farm-yard animal husbandry and crop production are female business.

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2 The information gathered does not seem fully reliable, especially about wool supply and the price paid to farmers for wool. Farmers were reluctant to deliver proper accounts during the interviews, and most probably hid some cash incomes.
These households own large stock. Sheep and goats are slaughtered for self-consumption, and some lambs are sold locally. Most of them market wool to speculators. The main constraints that are pointed out are sheep diseases and ticks, and limited access to medicines, vaccines, dipping tanks.

Expenditures for household supply in food reach R2000/year on average, whereas expenditures for farming activities are around R800 on average (mainly for seeds, tractor hiring, vet-medicines).

These households pursue a dual objective, i.e. (i) wealth storage, additional income and social status through stock-keeping, and (ii) access to complementary external income for the adults. They also promote self-consumption and subsistence farming. The main threat is a possible job loss (mine crisis). Ageing may also result in declining farming activities.

**Type 6. Full time farmers (4 to 30% of households)**

All these adult headed households make a living mostly from farming activities. Some combine this income with occasional local jobs or support by children (remittances). Total yearly income is around R2800 on average. Farming activities generate R2200/year on average (see footnote 2).

Most of these households are headed by a couple of adults, some by a single woman (50 year-old on average). Families are rather small, with adults and their children (4.5 members on average). Family labour force is 2.5 on average. All heads were born in the community.

All of them grow crops in a garden or arable piece of land, some have significant yields, but do not sell. Chicken and pigs are self-consumed. Piglets or poultry can be occasionally sold locally. Pig and poultry husbandry is a typical female business, whereas crop production is a family business.

These households own livestock. Sheep and goats are slaughtered for self-consumption. Oxen are used for ploughing. All of them market young animals and/or wool.

The head makes major decision about livestock, whereas the day-to-day management is a family business. The main constraints that are pointed out are sheep diseases and ticks, and limited access to medicines, vaccines, dipping tanks.

Expenditures for household supply in food reach R1500/year on average, whereas expenditures for farming activities are around R800 on average (mainly for seeds, tractor hiring, vet-medicines).

These households strive to achieve cash income, food security and accumulation through crop and livestock productions. Ageing may be the main threat, resulting in declining farming activities. Also, any production or market failures result automatically in weakened cash income. They also try to access off farm job, as complementary source of income.

3. Discussion

3.1. Farming systems and the LandCare project: perspectives

Table 2 provides additional synoptic data from one of the communities that has been surveyed in Transkei (Xume). It underlines two types of farming activities:

(i) crop, garden and farm-yard animal production;

Women play a key-role in these widespread activities. Self-consumption of maize and vegetables is practised by almost all families, although food security through own production is never achieved. Some households cannot access plots (type 1), but most of them try to grow crops in gardens and/or on arable land. Some even produce crops all year round (type 4, 6) despite droughts and lack of fence.

The LandCare project has initiated community demonstration plots (e.g. on vegetable production with simple irrigation techniques). With regard to the typology results, establishing community gardens would help landless people (type 1). Also, supporting the local organisation of seed supply, fence build-up might be useful for most
types. Some basic training should help as well. Finally, any initiative should strongly involve and rely on women, as key players in those production activities.

(ii) stock-keeping and wool production;

Although practiced by types 2, 3, 4, 5 and 6, those activities are more significantly carried out by types 4, 5 and 6, although with different strategies.

Stock keeping actually corresponds to different objectives: cash income for full time farmers, additional income for pensioners and off-farm workers, accumulation and social status for all, then occasionally self-consumption of meat. For most farmers (and more than half of the households), wool is the steadiest source of cash, although, price is often low and fixed by speculators.

Households are in need of technical improvement (means of production, technical advice, training, services, infrastructures, local institutions...), and alleviation of other constraints. Farmers refer to sheep diseases, lack of remedies and services (access to vaccines, dipping tank), as the major constraints. The LandCare project also strives to focus and deliver at this level: shearing shed, dipping tanks have been built up, gene-stock renewal (introduction of rams), and training about shearing and wool sorting/grading are implemented. As a result of typology, which highlight the plight of certain households (type 1), the LandCare projects strives to involve the very poor women in productive activities (especially wool sorting and grading).

Greater attention should however be paid as to who will really benefit from that in the long run. Only households' heads of types 2, 4, 6 may be available on a full time basis (for training for instance). In other types, de facto heading women can hardly make themselves available, as they are already very busy with other activities. Type 6 is the only one that is really willing and able to intensify wool productivity (on both labour and inputs), while 5 can only intensify on inputs. Old pensioners (type 2 and 4), even though owning large herds, will hardly intensify. These assumptions refer to the different strategies that came up from the case study (see types’ description).

Table 2 also underlines the different aspects of rural households’ diversity, beyond economic and technical aspects. These include the number of relatives accommodated, available labour force, gender and age of the head, and show very different patterns according to types.

3.2. Households’ evolution: what is next?

Each type’s strategy has been described. Those strategies relate to the issues and threats that have been identified during the survey. Even though providing a seemingly dark perspective, this procedure is based upon trends or events that are possible (job losses, production or market failures), realistic (failures in farm assets transmission, decease of the old pensioner heading the household) or merely natural (ageing), in the next five to ten years.

This procedure, although a bit theoretical, aims at identifying the possible dynamics of the different types, as it includes those issues and threats, but also, some more positive factors that might improve households’ circumstances and even provoke their shift towards other types. Table 3 relates the results and deductions.

Type 3 seems to be the most unstable, as the possible trajectories are very diverse, according to the factors incurred. For all types, the factors’ likelihood of occurrence are obviously also very diverse, and highly dependant on external interventions or opportunities (i.e. land access and land tenure transmission system, off-farm job opportunities, access to credit and production means, to markets). Finally, the identified dynamics do not take account of the emergence (or disappearance) of new types. One can imagine for instance that improvement in wool production (e.g. shearing shed, dipping tanks, vet inputs, transport facilities made available) and wool marketing (e.g. better supply chain and agribusiness linkages, increasing and stable prices) should undoubtedly generate an overall improvement for type 6, then probably for types 4 and 5, some of them becoming commercial wool growers, as a new type that does not exist currently.
Even though overwhelming, the sensitive HIV-AIDS issue was not addressed during the surveys. The pandemic is currently devastating South Africa; in 2001, 4.7 to 5.3 millions South Africans are HIV positive. It is estimated that a quarter of the young adults population (between ages 20-29) is currently HIV positive. The life expectancy is of 68.2 years, it is likely to drop to 48 by 2020 (Forgey et al, 1999). Already affected labour force will suffer further decline: -18% by 2005, -26% by 2020 (see Department of Health, Medical Research Council, USAID websites).

In rural areas, the combination of poverty, male migrations from highly infected areas (mines), uncertainty and risks, and the disempowered status of women facilitate the transmission of HIV. Conversely, illness increases the risk of becoming impoverish (death, pension loss, job loss, weakened labour force for farming activities, etc.).

3.3. Methodology

Whatmore (1994) reflected on the problems and possibilities of securing a place for typological approaches in the policy process, since she highlighted specific valuable traits of typological schemes.

The Transkei typology schemes illustrate the value of knowing local diversity better, since it provides ideas to properly target development-support interventions. Some data that has been highlighted might become indicators of the impact of the LandCare project (cash income, crop production indicators, wool production indicators, number of livestock units, etc.). Through the involvement of extension officers in the survey and data analysis, it has also undoubtedly built capacity and awareness about the actual circumstances of rural people.

The place of such approaches in the development policy process can however be questioned. In the case of the LandCare project of the Eastern Cape, typology schemes were implemented while most decisions had already been made in terms of intervention. They eventually justified ex-post most technical interventions planned. However, this delay of implementing a socio-economic diagnosis confirms Whatmore’s impression (1994) on the weak institutionalisation of typological approaches. The case study proved that their legitimacy does not only lie in their contribution to technical aspects but also in the issues they raise about rural development strategy, planning and management, as a whole.

The case study provides some insights at project level. The LandCare project of the Eastern Cape was aimed at overall uplift and natural resource protection at community level, while its design then implementation eventually focus more on the promotion of emerging commercial woolgrowers (or at least on wool production intensification). These are two different strategic objectives (although complementary to each other in the long run). The typology scheme shows whom these strategies may concern, and how they may sway the future of the different types.

4. Conclusion

Despite common constraints and discrimination, rural people of Transkei rely on a series of activities and sources of cash income, as livelihood systems. Poverty is not a static condition among households, as they may shift from one type to another, due to life-cycle or other factors (May, 1998). Ellis (2000) identified several of these factors to diversification: seasonality, risk, labour market, credit market failures, assets, coping behaviour.

The household life-cycle appears to be a key factor, as ageing enables access to a pension. Pensions play a paramount role in households’ livelihoods (about 50% of the overall cash flow at household level in Transkei). Like off-farm income, they do not seem to undermine the development of farming, but conversely to support it in some cases (accumulation, access to inputs). A question remains as to what is next? Households’ heads are ageing, while a half of the community population is under 15 years old. HIV-AIDS is a major threat to life expectancy and labour force availability. Thus, transmission of farming potential is a major issue in most households that have been interviewed. Young people are not willing to take over farming activities, due to uncertainty about land tenure and land access issues, backlogs in services and infrastructures, lack of skills and self-confidence, constraining climatic conditions.
As stated since the outset, labour market (mines and industries, urban markets) still influences rural livelihood strategies, and remittances represent the second component of livelihood. Besides, the weakness of local job opportunities and businesses in Transkei is striking.

Transfer payments (passive non agricultural earnings; Bryceson, 2000) clearly dominate livelihood build-up, while local services or trade remain little developed, as non-agricultural activities.

In Transkei, high risks and weak coping abilities, weak credit and product markets explain why full-time farming, although adapted to harsh conditions (sheep keeping and wool production), remains an alternative strategy and provides low cash income. Still, several types develop such activities as an accumulation tactic. Crop production seem to be a dilemma for households, which have to strike a balance between their willingness to secure some food, and possibly to gain alternative income, and the recurrent exposure to high risks, lack of markets, inputs and labour.

Full-time farmers are not the wealthiest groups amongst the community’s households. Despite its increasing scarcity, off-farm employment sways inner labour allocation (many men are absentees), thus activity systems at household level (women, pensioners, and young relatives form the available workforce, the two first rule most households).

Beyond local diversity and evolutions, two common traits characterise most types: (i) willingness to diversify livelihood systems, besides or away from farming activities, and (ii) a high vulnerability to poverty (see table 3).

Referring to the terms defined by Ellis (2000) and Yung & Zaslavski (1992), the different diversification strategies observed result either from choice (offensive, planned survival strategy) or necessity (defensive, short-term survival strategies).

Types 4 and 5 (and 6 to a lesser extend) seem to develop a long term strategy (accumulation, education), and an aggressive, chosen diversification. Types 2 and 4 are willing to develop a sustainable livelihood besides pension, towards 4 or 5 (transmission of assets, education and job seeking for young relatives).

Type 3 is clearly urban / off-farm oriented, with little involvement and interest at community level. This can be also seen as a long term, chosen strategy, although risky (one factor, i.e. job loss, may draw the household back into deep poverty).

Types 1 develops no real strategy, but rather day-to-day coping solutions.

Type 6 mostly represents people willing to shift towards type 5 or 4 (by choice). Type 1 is desperately seeking a way out of deep poverty, towards type 2 or 3 (by necessity).

Types 3 and 5 are currently striving to strengthen their livelihood systems.

The different types identified illustrate both processes of “de-agrarianisation” and “depeasantisation” (Bryceson, 2000). Those processes represent long-term processes of occupational adjustment, income-earning reorientation, social identification and spatial relocation of rural dwellers, away from strictly agricultural-based modes of livelihood, which subsequently lead peasantry to lose its economic capacity and social coherence, and to shrink in size.

Several elements however challenge these ideas on “de-agrarianisation”. Even though full-time farming does not seem to be the objective of most households, most of them undertake productive activities and use natural resources. Also, type 1 strongly relies on community solidarity networks, informal but strong mutual credit systems exist. Barter of labour and products are common, gifts in kind are also widespread. And finally, stock keeping plays an important role, as a social link within the community, since collective management of herds, animal keeping for neighbours or relatives, exchanges of animal, of labour, sharing of meat during ceremonies etc. are often observed.

Types 3 and 5 seem to be the current livelihood models for adult-headed households, corresponding to two different strategies: strong off-farm, urban influenced livelihood system (3), and combination of on-farm and off-farm sources of income, with accumulation through stock keeping (5).
Even though exposed to increased management issues and to a larger number of factors, diverse livelihood systems gain coping possibilities and are less vulnerable (Ellis, 2000).

Furthermore, today’s diversity and strategies represents the background for tomorrow’s diversity, and development programmes (i.e. land reform, development projects, etc) should take this into account. This means that supporting certain exclusive livelihood systems, as models that do not correspond to the current trends and processes (e.g. full-time farming), is not likely to make a significant difference at whole community level. This also means that facilitating local job opportunities, and alleviating constraints to small businesses is likely to really positively impact on local livelihood, and consequently on farming activities.

5. References


Figure 1. Proportion of cash income from different sources in Xume, Transkei (proportion of money flows from different sources at the community level, survey sample)

Figure 2. Household classification tree: the first step of household typology

\(\text{LSU: Large Stock Unit}\)
Table 1. Livelihood & activity systems in Xume community, Transkei (% of households involved in, survey sample)

<table>
<thead>
<tr>
<th>Activity System</th>
<th>% of Households</th>
</tr>
</thead>
<tbody>
<tr>
<td>No income</td>
<td>4</td>
</tr>
<tr>
<td>Pension/Welfare + Farming</td>
<td>22</td>
</tr>
<tr>
<td>Remittances only</td>
<td>15</td>
</tr>
<tr>
<td>Remittances + Farming</td>
<td>16</td>
</tr>
<tr>
<td>Farming only</td>
<td>9</td>
</tr>
<tr>
<td>Pension/Welfare only</td>
<td>9</td>
</tr>
<tr>
<td>Pension + Farming + Remittances</td>
<td>6</td>
</tr>
<tr>
<td>Local job only</td>
<td>5</td>
</tr>
<tr>
<td>Local job + Farming</td>
<td>4</td>
</tr>
<tr>
<td>Pension + Remittances</td>
<td>5</td>
</tr>
<tr>
<td>Other combinations</td>
<td>5</td>
</tr>
</tbody>
</table>

Table 2. Main features per type in Xume (different letters attached to figures refer to significant differences between means, tested by Student’s t test at P=0.1)

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
<th>Type 5</th>
<th>Type 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total cash income per household &lt; 1200a</td>
<td>8670b</td>
<td>3010c</td>
<td>9220b</td>
<td>6700bc</td>
<td>2740c</td>
</tr>
<tr>
<td>Total cash income per capita &lt; 100</td>
<td>1334</td>
<td>550</td>
<td>1620</td>
<td>905</td>
<td>620</td>
</tr>
<tr>
<td>Farming cash income 0a</td>
<td>&lt; 100ab</td>
<td>&lt; 100ab</td>
<td>540c</td>
<td>180b</td>
<td>2220d</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of animals owned/kept</th>
</tr>
</thead>
<tbody>
<tr>
<td>cattle</td>
</tr>
<tr>
<td>&lt; 2</td>
</tr>
<tr>
<td>&lt; 4a</td>
</tr>
<tr>
<td>&lt; 3</td>
</tr>
<tr>
<td>Marketing of animals No</td>
</tr>
<tr>
<td>Marketing of wool No</td>
</tr>
<tr>
<td>Expenditures for inputs to farming activities 0a</td>
</tr>
<tr>
<td>Expenditures for external food supply 770a</td>
</tr>
<tr>
<td>Number of relatives accommodated in the household 5.2</td>
</tr>
<tr>
<td>Available labour force 2.2</td>
</tr>
<tr>
<td>Gender of the head F</td>
</tr>
<tr>
<td>Age of the head 46a</td>
</tr>
<tr>
<td>Access to a pension No</td>
</tr>
</tbody>
</table>

(Cash Incomes & Expenditures in ZAR per annum, all data are averages, except maximum indicated with a prior <).
Table 3. Types’ dynamics: identification of the possible trajectories and factors.

<table>
<thead>
<tr>
<th>Current types</th>
<th>Possible trajectories</th>
<th>Factors, conditions and results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Ageing, then access to a pension</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Access to a job or to welfare grants</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Access to arable land, to production means</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Head decease, no external source of income</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Head decease, access to external source of income</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Access to production means, market opportunities</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>Ageing, then access to a pension</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Job loss, enough farming skills and assets to shift to farming</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Job loss (or no more news from working husband), little subsistence activities</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Ageing and accumulation (money, livestock)</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Accumulation (money, livestock)</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>Head decease, access to external source of income, succession</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Head decease, no external source of income, succession and concentration of production means on an adult headed household</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Head decease, access to external source of income, no succession</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Head decease, ageing and end of farming –stock sold-</td>
</tr>
<tr>
<td>5</td>
<td>4</td>
<td>Ageing, then access to a pension</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Job loss</td>
</tr>
<tr>
<td>6</td>
<td>4</td>
<td>Ageing, then access to a pension</td>
</tr>
</tbody>
</table>

The trajectories of type 2/4 households and of the relatives highly depend upon the succession process than would be implemented (modalities of transmission of patrimony, assets and animals).

All households may also remain pertaining to the same type, as an effect of ageing as unique factor, with gradual decline in farming potential and likelihood to access an external job.