#### time to refocus assessments Exploring definitions of food insecurity and vulnerability:

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HSRC RESEARCH OUTPUTS

#### Abstract

understanding the significant role that livelihoods play in the accumulation of assets an external and internal dimension, and food insecurity has a temporal and intensity understanding of the contexts in which the data from larger quantitative studies are determine the multidimensional nature of the stressors they experience and their insecurity should focus on these chronically food insecure households in order to consequences of vulnerability and food insecurity for different households clearer. and for accessing food. It makes the understanding of the multiple causes and in which they are embedded. This combination of dimensions is important for interconnections between different dimensions and the multiple levels of the systems need to be combined in order to understand the different interactions and the dimension. However, assessments are often only concerned with one dimension at a food security literature, despite both having at least two dimensions. Vulnerability has necessary to develop a deeper understanding of concepts such as 'vulnerability' and weak livelihood strategies. To address the impact of these and other stressors it is livelihoods and minimal assets. Consequently, future studies on vulnerability to food likely to experience severe food insecurity in the long-term, as a result of their weak Those households and individuals considered chronically poor or food-insecure are time. An exploration of the two concepts suggests that in both cases the dimensions conditions of households that are vulnerable to food insecurity, especially those with Recent high food prices and changes in the world food situation are exacerbating the 'food insecurity'. This is challenging as both concepts are used rather loosely in the cope and adapt to these stressors. This would contribute to

multidimensional stressors Keywords: High food prices; livelihoods; vulnerability; food insecurity;

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#### Introduction

degradation, social and economic marginalisation, erosion of assets as a result sudden shocks effectively undermine household livelihood strategies. These stressors include security crisis has unfolded across the region, with a greater number of people surge in national and global food prices of the AIDS epidemic and the changing nature of the world food situation). increases) and also gradual changes (e.g. changes in service delivery, result of the Wiggins, 2007). Drimie and Casale (2009) note that this chronic food crisis is a being increasingly vulnerable to food insecurity (Wiggins, 2003; Maunder & Southern African consumers have felt the negative effects of the most recent Escalations in food prices have come during a decade in which a chronic food persistence and interaction of 'multiple stressors', (e.g. floods, droughts, unemployment, death and price since 2006, peaking in 2008 which

inadequate access to food or vulnerability to hunger) and at other times as an prevail in South Africa and elsewhere (Hendriks, 2005; Hendriks & Maunder, different estimates of food insecurity and those vulnerable to food insecurity hunger, income and expenditure, and ability to access food). Consequently, and individual) of use, and their focus (e.g. nutrition status, experiences of measures (objective and subjective) invoked, the scales (national, household broadly to denote the sensitivity and resilience of people to exposure sometimes taken to simply infer risk, while at other times it is used more outcome of vulnerability (Du Toit & may be interpreted as a particular form of vulnerability (vulnerability to separately and sometimes synonymously (Devereux, 2006). Food insecurity and vulnerability studies (Webb & Harinarayan, 1999; Casale et al., by the diverse use of the concepts food insecurity and vulnerability across and 1996 and Hoddinot, 1999). As argued below, this complexity is compounded undertaking as a plethora of definitions and indicators exist (see Maxwell, which are vulnerable to food insecurity. However, necessary to determine which households are currently food-insecure and nature and need to be understood in terms of their dynamism. neither food security nor vulnerability status is static. Both are dynamic in 2006). Estimates and understandings are further compounded by the fact that (Chambers, 1989). One's within the multiple disciplines engaged in different aspects of food security In order to assist those who are most exposed to multiple stressors, Food insecurity and vulnerability perspective on these concepts often determines the Ziervogel, 2004). Vulnerability is are sometimes this is

food insecurity and vulnerability in South Africa, Hendriks (2005:118) calls for In the absence of national, representative panel studies to determine levels of

improved understanding of contributing factors trigger them. Therefore the approach of Hendriks (2005) should lead to required. For example, Devereux (2009) has argued that prevailing structural chronic poverty and chronic food insecurity (see Du Toit, 2005b). It would changes and seasonal fluctuations, rather than sudden temporary shocks. This most prone to shocks and stressors. development of appropriate policies and strategies directed towards those security crises in sub-Saharan Africa this century than the actual shocks that conditions are actually more responsible for the persistence of famines or food understanding is crucial to determining when and what types of responses are explain why some people remain food-insecure more or less permanently and focus would illuminate the long-term structural conditions that underpin why some may 'normal' conditions, i.e. during times when households experience gradual households respond to household food security shocks and stressors...' under more qualitative in-depth local studies of household experiences insecurity and vulnerability '...to develop a baseline knowledge of how manage to become permanently food-secure, and the subsequent ō, food

concludes by supporting calls for qualitative and in-depth studies that focus impacts they have in different contexts and at different levels. Section seven to the different systems involved, the stressors they generate and the diverse are the chronically food-insecure. Consequently, close attention should be paid section six to illustrate that those who are most vulnerable to food insecurity food insecurity. Key issues from these discussions are then combined in complexities inherent in the more common definitions of vulnerability and The fourth and fifth sections of the paper respectively, explore household's location within the complex configurations of society as a whole only at the household or local level, but is also a consequence of the illustrates how the effectiveness of livelihoods in this regard is determined not accumulating the food-insecure households. Given the importance of livelihood strategies in trends in South Africa and thereby illustrates their possible future impacts on these definitions, section two briefly considers the nature of recent food price studies. In order to provide a context within which to critique and analyse and understanding in order to increase the contribution made by qualitative applied to these concepts and illustrates that they require adequate definition definitions of vulnerability and food insecurity is required. The critique that vulnerable to food insecurity, a deeper understanding of the commonly-used development of appropriate that such studies are suitably focused and contribute effectively to the While in agreement with Hendriks's stance, this author argues that, to ensure highlights the challenges associated with the assets required for accessing food, the third policies and interventions for those most diverse meanings

of household vulnerability to food insecurity. on the multiple stressors and multiple dimensions of the 'normal' experiences

## High food prices in South Africa

stunting, and that 10% of children are underweight (Labadarios et al., 2008 that chronic food insecurity is experienced by 20% of children, indicated by and structural inequalities (Seekings & Nattrass, 2006). Recent figures show and chronic food insecurity (HSRC, 2007), largely due to income distribution food-secure. South Africa experiences both chronic poverty (Du Toit, 2005b) Chopra et al., 2009). food-secure at the national level, but this does not mean that everybody is Unlike many Southern African countries, South Africa is considered to be

appeared to be softening in the period January to April 2009, representing a year-on-year increase of 8.4%. Year-on-year, food prices rose 5.3% in 2001, although year-on-year food price increases remain high. It remains to be seen while the current experience may well be evidence of gradual change, 2.0% in 2004 (NAMC, 2009b). That price hike can be construed as a shock, quantity whether the year-on-year food price increase trend will persist. increased dramatically by 16.7% in 2002, but the rate of increase dropped to far more slowly (NAMC, 2009b). The NAMC (2009a) reported that food prices commodity prices appear to have levelled out, retail food prices have followed 16.7%, significantly higher than the 2006 year-on-year increase of 6.7%. While markets negatively affect people's ability to purchase foods of sufficient on paid employment (Du Toit, 2005b) to access food. High food prices at retail purchasers of food (Hendriks & Maunder, 2006) and have a high dependency Most South African households, including the urban and rural poor, are net Council (NAMC, 2009b) the year-on-year food price increase for 2008 was and quality. According to the National Agricultural Marketing

relationships function. Even the most remote rural households feel the impacts consumers experience the effects of changes in the global food system as well environmental). From a food security perspective, this is most evident in the has intensified and restructured the ways in which these linkages and commodity chains and economic networks has become stronger. Globalisation modernisation and change, the linkages between households and complex as those taking place in the local food chain. Through prices are a thing of the past (Von Braun, 2007; Evans, 2009). South African drivers of food demand, supply and pricing, it seems likely that low food Given the changes in the global food system this century, and in terms of new global events and changes (political, economic, processes of social and

South African responses (or lack thereof) to these changes the new driving forces in the global food chain (Von Braun, 2007), and various political and socio-economic events outside the country, such as the impact of impact of rising food prices in South Africa, which were largely triggered by

currently food-insecure (Hendriks, 2005). increased exposure to stress and access to food will be constrained for such therefore likely that more people will be exposed to these and other stressors. experienced in the form of job losses or reduced public sector spending). It is public and private sector attempt to maintain economic stability (often national reactions to the recession are unlikely to help the situation as the consumers as it follows in the wake of the high food prices. International and households. The most severely affected will probably be the poor and those Household livelihood strategies and existing asset bases might not cope with The current global economic recession is having a negative impact on local

environmental) in which South African households pursue their livelihoods. national and global) and systems or networks (economic, social, political and ability to access food is strongly influenced by the broader context (local, those households that are currently poor and food-insecure. Secondly, the years, food prices will remain high, with a longer-term negative impact on temporary shocks, but given the changes in the global food system in recent two significant points. Firstly, current high food prices may initially seem to be Although brief, this discussion on high food prices in South Africa highlights

# Significance of household livelihoods and assets

ensuring access to food.2 Following Sen's work a number of changes were entitlements (resources used for production, away from an exclusive focus on the availability of international and national Amartya Sen (1981) is generally credited with shifting the food security debate necessary to understand the ability of households to access food (Maxwell, integration, pricing policies and temporal market conditions (Webb et al., 2006; power is now considered key to accessing food and is dependent on market brought (Maxwell food supplies, towards a focus on the ability of households to access food into the understanding of food 2009). A focus on household livelihoods and assets is deemed Slater, 2003). His work highlighted the security. Household purchasing exchange and transfers) effect

<sup>&</sup>lt;sup>2</sup> Sen's seminal work on the issue sought to explain certain puzzling aspects of the great Bengali famine of 1943-1944; in particular, to address the question of why so many households had game hangry while the country as a whole had adequate food stocks.

strength and ability of livelihood strategies to ensure that assets are available. conditions enables households to draw on them during times of stress. Assets and fluctuating levels of food security, others seemed to cope and recover cope with stressors, which undermine their ability to access food. While some livelihoods resulted in an awareness of the different abilities of households to (Drimie & Casale, 2009). Household food security is highly dependent on the (Chambers & Conway, 1992). The ability to accumulate assets under normal households were observed to be severely affected during short-term setbacks 2003), either through production, purchase or transfers. personal, socio-political, infrastructural, economic or ecological The focus

systems in which people pursue their livelihoods (Du Toit & Ziervogel, 2004). options, which ensure the ability of households to generate and accumulate sector services (e.g. health, as much a consequence of the lack of access to broader public and private and thereby impact on asset availability. Household asset accumulation is thus different times can support or undermine livelihood strategies (DFID, 2000). activities that take place within the broader policy and institutional context at The Sustainable Livelihoods Framework draws attention to the fact that Therefore, access to assets is not only determined at household or local level resources and make use of services, are shaped by the broader context and (Segnestam, 2004), as it is about a lack of access to local resources. Livelihood geographical position in society at large (Mgquba & Vogel, 2004). 2001) and has much to do with one's historical, social, economic and but is embedded in the complex configurations of society as a whole (Wisner, information, credit and social protection)

situation and reduce the ability of the poor to improve their situations, often acts as a trigger that reacts synergistically with existing structural conditions assets. The poor typically have insecure livelihoods, few physical and financial well decrease the ability of households to accumulate, draw on and renew irreversible or hard-to-recover-from decline in well-being (Alwang et al., 2001; point (the ultra-poor) at the time of a shock, even a minor shock can cause an 1993; Devereux, 2001). For those people who are close to an edge or tipping resulting in a shift to greater levels of poverty and food insecurity (Wisner, to regular shocks and/or gradual changes impact negatively on the existing to move affected people into a crisis situation (Eakin & Luers, 2006). Exposure well-being. They are therefore more severely affected by stressors. The stressor Casale, 2009), which determine their health, political influence and general households and individuals within these groups. Conditions of poverty may Position in society has differential effects on various groups of people and Devereux, 2002; Ellis, levels of income and inadequate access to services (Drimie & 2003), further denying them the opportunity

people may perceive the seriousness of a shock as temporary condition from income and services will be more likely to cope with stressors. Similarly, such accordingly. The availability of assets therefore determines vulnerability. fewer endowments might view it as an extreme threat and respond accumulate they can recover without undue loss to well-being, while those with a diverse set of assets. Those who have better access to assets,

#### Vulnerability

that of Chambers (1989:1): One of the earliest, but most widely accepted definitions of vulnerability is

difficulty in coping with them. Vulnerability thus has two sides: an meaning a lack of means to cope without damaging loss. household is subject: and an internal side which is defenselessness, external side of risks, shocks and stress to which an individual or Vulnerability refers to exposure to contingencies and stress

et al., 2001; Drimie & Casale, 2009). These multiple processes can be global, national or local in nature, but have household level impact. Therefore, exposure is influenced by the existence of systems that either reduce the and AIDS, political changes, conflicts and environmental changes (McCarthy such as economic globalisation, the spread of infectious diseases such as HIV and shape this dimension of vulnerability. These factors include processes that the interactions of socio-economic, political and biophysical factors cause sensitivity and risk to exposure (Moser, 1998). McCarthy et al. (2001) illustrate and gradual. likelihood of or cause exposure. External vulnerability refers to temporary natural disaster such as a flood or drought, but can be long-term Exposure is not simply about exposure to a the structural elements that determine

such as income, gender, age, disability and location, there may well be households or individuals within such categories who are not vulnerable While some groups of people may be considered vulnerable due to criteria extremely complex, context-specific and dynamic (Drimie & Casale, 2009). crisis but also with the pressures of everyday living and seasonal risks is undesirable effects of exposure to processes of environmental, economic, with stressors and the actions required to overcome, or at least reduce, the Internal vulnerability concerns the ability of households to respond and cope (Webb & Harinarayan, 1999). Merely placing exclusive attention on a certain been less well understood because the ability of people to cope in times of political and social change (Bohle, 2001). This dimension of vulnerability has there may well be

of need (Moser, 1998). assets and the ability to draw on these under normal conditions and in times affects. This is determined by their livelihood strategies, subsequent access to within such groups or areas, have the ability to avoid exposure or resist its group of people or an area defined to be at risk to exposure by means of probability theories, oversimplifies the situation (Scoones, 1996). Some people,

terms of exposure, are often frustrated by the fact that it is virtually impossible which they are embedded. Analyses of the external side of vulnerability, in interactions between the external and internal dimensions, and the systems in what researchers are focusing on when investigating the causes and nature of multiple and often interlinked (Casale et al., forthcoming). to focus on a single or simple cause of vulnerability because the stressors are vulnerability. However, such a distinction may obscure the intersections and Dividing vulnerability into two dimensions is useful to our understanding of

elder members seek employment. Natural resources may be eroded as people from school in order to look for work or to carry out household chores while and negative outcomes. Extra livestock, accumulated for such an eventuality, risk assessments and diversify their livelihood patterns according to their often not visible. As Ellis (2003) has stressed, local people carry out their own Furthermore, the internal side of vulnerability is highly context-specific and is household livelihood strategies are embedded (Du Toit & Ziervogel, 2004). the generalising of causes and their attribution to the external dimension, or at awareness of the context-specific nature of risk-averse behaviour can result in undermining the sustainability of the ecological system they inhabit. A lack of look for alternative sources of food (wild plants and animals), may be sold to purchase food in times of stress. Children may be withdrawn Responses to stressors may be reactive or anticipatory. Both can have positive perceptions of risk and in terms of available risk management strategies multiple causal factors at different levels in the broader systems within which Vulnerability is a complex phenomenon and involves the interaction of least a blurring of causes and their location (Casale et al., forthcoming).

## Interconnectedness of dimensions

Some of these may in fact act as stressors, undermining the ability to generate decisions and capabilities that are situated across various levels of society that encompass household assets are determined by the interplay of events. vulnerability The local availability and access to a wide variety of resources and services assets and is perhaps better understood as the property of systems or erode current assets. In light of these broader links,

circumstances at another (Casale et al., forthcoming). backward and forward linkages whereby actions at one level will affect influence the context of vulnerability (Du Toit & Ziervogel, 2004). There are determine the ability of household livelihoods to generate assets and thereby numerous national/regional-local dynamics and how they are interconnected. There are ecological systems. An understanding of vulnerability has to consider globalwith associated dynamics. Such systems include political, social, economic and not) of these systems and the ability to cope within the existing systems and depend (Du Toit, 2005b). Vulnerability is a consequence of the functioning (or people we are actually saying something about the systems upon which they networks, and not so much that of individuals. When we talk about vulnerable factors within these different levels that are interlinked and

of vulnerability, any understanding needs to pay careful attention to the these are manifested at different loci. understood in conjunction with the variety of stressors, their causes and how and the causal links at different levels. Rather than dealing with the two The impact of stressors at one level will be experienced differently at another vulnerability at a district, a provincial or a national level. A focus on one level different scales at which political, social, institutional, ecological and economic dimensions of vulnerability separately, level. What is required is a rigorous understanding of the interconnectivities because stressors intersect and interact in different ways at different levels will not say much about what is taking place at another level. This is largely (village or town) will be different to those encountered when analysing processes operate (Stephen & Downing, 2001; Casale et al., forthcoming). The As a result of the interconnectedness of the external and internal dimensions issues that affect livelihood strategies in a particular household or place they should be ıntegrated

### Food insecurity

Most current definitions of food security include the phrase 'at all times' (see between different durations and intensities of food insecurity. United Nations, 1975; World Bank, 1986; FAO, 2006) but do not distinguish

2001) (author's emphasis). dietary needs and food preferences for a healthy and active life (FAO economic access to sufficient, safe, and nutritious food to meet their and global levels when all people, at all times, have physical, social, and Food Security exists, at the individual, household, national, regional,

concepts are underpinnings. This has much to do with seemingly vague ways in which the transitory food insecurity is often unclear in that many situations have chronic 2004) notes that the distinction between populations experiencing chronic and insecurity were developed. Despite this the World Food Programme (WFP, facilitate Such a distinction is necessary for policy development and interventions. To these defined in theory processes, the concepts and operationalised in practice (Devereux, of chronic and transitory

## The temporal dimension

situations can be brought about by climatic shocks, natural disasters, economic extreme scarcity of food availability and access (Barrett & Sahn, 2001). Such sudden in onset, short-term or temporary and refers to short periods of state of affairs. Transitory food insecurity, on the other hand, is usually over a protracted period of time (DFID, 2004; FAO, 2005). It is often a normal smaller shocks at the household level (e.g. loss of income and crop failure) crises or conflict. Experiences of transitory food insecurity may arise through assets and low incomes which persistently curtail food availability and access deficiencies in the local food system or economy, chronic poverty, lack of While not the normal state of affairs shocks can be severe and unpredictable. to be an almost continuous state of affairs. It is closely related to structural Chronic food insecurity is long-term or persistent in that it can be considered

considered to be more easily predicted than transitory food insecurity as it is a during the initial post-harvest period (Devereux et al., 2008). It is generally food insecurity more severe For those already chronically food-insecure, this will worsen their situation assets can result in a shift from a situation of food security to one of insecurity. or sell their limited assets to acquire food in order to survive. The depletion of food insecurity. During this seasonal period, poorer households may consume recurrent transitory food insecurity, which has important linkages to chronic limited duration (two to three months), it is better understood as a form of known and regular occurrence. Devereux (2006:4) suggests that because of its household and national food supplies are scarce or the prices higher than access to food such as prior to the harvest period (the 'hungry season') when insecurity may be evident when there is a recurring pattern of inadequate Food insecurity has a third temporal feature. Seasonal or cyclical food (Devereux, 2009) as the depletion of assets may make future experience of

time frame, the other two definitions do not specify absolute Except perhaps for seasonal food insecurity, which sometimes has a natural amil periods

of resolving this dilemma, Devereux (2006:5) suggests that rather than being distinct conceptual and empirical categories, "they could be seen as lying at intensity dimension is not adequately captured in current definitions. seems to oversimplify the matter as a further problem persists in that the two ends of a continuum, with cyclical food insecurity in between". But this transitory food insecurity ends and chronic food insecurity starts. As a means This creates the fuzziness that makes it difficult to determine exactly when

## The intensity dimension

shock with the most appropriate immediate intervention. A focus on intensity energy intake), while a focus on the duration can tell us something about the informs us of the magnitude of the food gap (usually measured in terms of like in the future if conditions gradually get worse or a shock is experienced. will tell us not only how severe the existing situation is, but what it might be However, a focus on intensity is also required under normal conditions as this nature of the causes be initially critical for correct targeting of the food insecure at the time of a Understanding the intensity, rather than the duration, of food insecurity may and assists with long-term development

stressors that brought about the situation prior to the shocks that triggered the prevent shocks from resulting in extremely severe food insecurity. Devereux the factors that cause gradual change in food security status might actually detriment of the poor (Prendiville, 2003). This is despite the fact that a focus on tend to focus on the latter, while largely ignoring the former, to the further severity (WFP, 2005a; HSRC, 2007). Consequently, emergency relief measures referred to as acute food insecurity, implying a greater food gap and greater nature. As it results from a sudden shock, transitory food insecurity is often likely to be given to situations that have been determined to be chronic in transitory food insecurity (WFP, 2005a). This suggests that less attention is moderate food insecurity and the implication is that it is less serious than Due to the gradual nature of chronic food insecurity, it is often referred to as have been prevented if attention had been paid to the gradual effect of (2009) argues that the recent food crises in Malawi, Ethiopia and Niger could

linked to the persistent inability to do so and 'transitory' only to a temporary inability to meet basic chronic food insecurity is questionable. While both are associated with an is a rapid change from a level of food security to one of food insecurity. inability (Devereux 2006). A further assumption is that transitory food security The practice of considering transitory food insecurity to be more serious than food consumption requirements, 'chronic' has been

minimum food needs at normal times, but are unable to do so after a shock'. 'transitory According food insecurity affects households that are able to meet their ð recent World Food Programme definition (WFP, 2004)

insecure households are affected by shocks' (WFP, 2005b). subsequent WFP publication reports that: 'A large number of chronically food or cyclical shock increases the risk of becoming severely food-insecure. A More likely, being moderately chronically food-insecure prior to a transitory

# Interconnectivities between dimensions

that saw food aid being supplied to Southern Africa but not to Somalia). intervention (see Prendiville's (2003) analysis of prevailing conditions in 2002 situations are understood as severe and seen as warranting emergency chronic situations may be seen as normal conditions and moderate transitory dimension, chronic situations are considered moderate. Consequently, severe severe chronic food insecurity. Without separating out the practice of focusing on transitory food insecurity ignores those who experience can have moderate and severe intensities. Table 1 suggests why the usual 'transitory' implies acute. Rather both chronic and transitory food insecurity separation requiring relief/humanitarian intervention, as shown in Table 1. range from long-term moderate experiences to short-term severe emergencies into four categories relating to the intensity and temporal dimensions. These To clarify the lived experience of food insecurity, this state can be separated corrects the perception that 'chronic' implies moderate

Table 1: insecurity Combined temporal and intensity dimensions of food

TEMPORAL					
		Transitory	Chronic		
(c.g. sensonality)	insecurity	Moderate transitory food	Moderate chronic food insecurity (chronic hunger)	Moderate	INTENSITY
	(emergencies)	Severe transitory fied insecurity	Severe chronic food insecurity (high infant mortality rate and crude nortality rate [CMR])	Severe	

Source: Depereux (20067)

undermining of livelihoods. These lead to situations in which people are insecurity and poverty being the products of consecutive rapid shocks, rather insecurity. There are transitory-to-chronic linkages by virtue of chronic food chronic and transitory food insecurity and between moderate and severe food Devereux (2006) argues that there are strong negative synergies between gradual changes, which result in the depletion of assets

impact of shocks and stressors to their lives. This loss of assets undermines the ability of marginal households to cope with these stressors, gradually erode the resource base of this kind of household spread of HIV and AIDS and related policies that do not effectively deal with a minor shock can imperil their ability to respond positively (see Devereux, marginalised existence and experience chronic moderate food insecurity. Even al., 2004 for examples). There are also moderate-to-severe linkages in that most future shocks and changes. People may well become caught up in a trap of 2009 for examples). Gradual processes, such as declining land availability, the of those households which are susceptible to food crises already lead a unable to return to their previous lower level of food insecurity (see Carter et coping' (Casale et al., forthcoming) as they are not able to overcome

These synergies suggest one reason why the:

affected countries - and population subgroups within those countries averages (Devereux, 2006:10). that are Most recent food crises (e.g. in Ethiopia, Malawi, Niger and Sudan) have poorer and more undernourished than global or national

countries (Devereux, 2009). They also suggest why shocks triggered the recent food crises in Malawi, Niger and Ethiopia, but why the same shocks had little effect on neighbouring

understood as a synthesis of past and current circumstances and events argues that who are currently moderately chronically food insecure during normal times inadequate and food insecurity vulnerability assessments should include those Therefore, an exclusive focus on the effects of the current (crisis) situation is inseparable (Devereux, 2006:11). The World Food Programme (WFP, household vulnerability to chronic and transitory food insecurity are often is likely to fluctuate between moderate and severe. At a fundamental level, food shocks. Consequently, the intensity of their experience of food insecurity insecure most of the time and as a result are also highly sensitive to periodic experience composite food insecurity The interaction between chronic and transitory food insecurity is captured in Devereux's (2006) concept of composite food insecurity. Households that in many countries vulnerability to food insecurity is best are moderately chronically

# Food insecurity and vulnerability combined

narrow and does not capture the reality of the situation experienced by most becomes a crisis (Maunder & Wiggins, 2007; Devereux, 2009). of the food-insecure (Devereux, 2006). However, such a narrow assumption to the risk of moving from a food-secure status to an insecure status is too current experience of food insecurity. The assumption that vulnerability refers insecure. Consequently, in such situations vulnerability equates with the those who are already experiencing food insecurity, i.e. the chronic foodforthcoming). Those who are most vulnerable to further food insecurity are severe food insecurity. In this instance, food insecurity is an outcome of have, thereby increasing their level of vulnerability to, and experience of, systems of which they are a part will gradually deplete such assets as they assets required to cope with shocks or gradual changes brought about by the functions of households' exposure to stressors and their ability to cope with food insecurity and vulnerability. Both vulnerability and food insecurity are composite food insecurity, enable a better understanding of the concepts of along with the interconnectivities between them, which result in the notion of may well explain why food insecurity is most often only addressed when it vulnerability (Du Toit & Ziervogel, 2004) that becomes a stressor (Casale et al., The examination of the temporal and severity dimensions of food insecurity Households with livelihoods that do not enable accumulation of the

caused the stressors along with a disaggregated understanding of the effects of Food insecurity interventions need to be based on an understanding of what (2006:8) argues: those stressors on households with different abilities to cope. As Devereux

manage risk) to increasing resilience (i.e. enhanced ability to manage households from increasing vulnerability (i.e. declining ability to interventions in [food insecurity] contexts ... should be to move risk) over time. objective of all emergency, rehabilitation and development

they have in different contexts and at different levels. As Du Toit and different systems involved, the stressors they generate and the diverse impacts understanding cannot be achieved without paying close attention to the This necessitates a deeper understanding of the factors that generale stressors Ziervogel (2004:6) point out, under normal conditions: or shock and the ability of households to cope. Such

intervening factors [emphasis in original]. change or shock affects interdependent in a variety of ways. Exactly how any particular stress, environments and systems, and all of which may each of which integrates a wide range of ... food security can be achieved by a multitude of different strategies, food security will be mediated by these different be dynamic and approaches,

implications for national level assessment frameworks of vulnerability to food information (Du Toit, 2005a). Rather, in order to fit the framework, the frameworks are Insecurity and Vulnerability Information Mapping Systems, Integrated Food insecurity preterence is for: multidimensional nature of food insecurity (and vulnerability) has and that rely almost exclusively on quantitative data (e.g. Humanitarian Phase unable to adequately Classification collect and interpret qualitative Framework).

not to an accurate grasp of the dynamics of a situation, local complexity and appears to sidestep non-transparency - [and which]leads misleading accounts that miss crucial dynamics (Du Toit, 2005a:12). information that is readily quantifiable and standardised, that abstracts from but to distorted and

sensitivity and resilience. Far more promising are local studies that adopt a of multiple stressors. more combined and multidimensional approach to understanding the effects and multidimensional nature of stressors, and the diversity of household By design, these assessment frameworks are unable to grasp the complexity

dimensions and presents them as tangible issues. As such, this type of study widespread. The benefit of this approach is that it identifies often 'hidden' different locations, suggesting that it is probable these symptoms are more nature of the experience, they also exhibit similar symptoms across the that while stressors intersect and interact differently due to the context-specific nature and dynamics of poverty, including food insecurity. The study notes understanding of the impacts of stressors on household livelihoods, access to that this is possible (Casale et al., forthcoming). The developed framework which took into account people's experiences of multiple stressors, has shown provides a more comprehensive understanding of stressors and their impact, internal dimensions of vulnerability. Furthermore, it enabled a contextual facilitated the analysis of multiple stressors within both the external and A recent 15-month, qualitative study undertaken in South Africa and Malawi, and household responses, while describing the multi-dimensional

aimed at addressing food insecurity. and provides valuable information for the design of policies and interventions

#### Conclusion

stressors (shocks and gradual changes). The critique also shows that the chronically poor and food-insecure) are those most likely to be affected by may worsen their situation, leading to increases in the severity of their experience of food insecurity. The critique of vulnerability and food insecurity exacerbating the conditions of afflicted households. These and other stressors attention. Recent high food prices and changes in the world food situation are South Africa's experience of chronic food insecurity deserves more in-depth assessments because of their interrelationships and the synergies that exist various dimensions included in these concepts need to be combined during between the different dimensions and the systems in which these states exist vulnerability also need to be understood in terms of the interconnectivities between the different dimensions. that those households with sensitive livelihood strategies The concepts of food insecurity and

services) to acquire food should be understood in terms of the systems in the context and the levels at which these stressors intersect and interact undermining the resilience of households. What transpires depends largely on abilities to cope with stressors, they which they are embedded. While these systems might improve households' to stressors and their ability to accumulate necessary assets The livelihood strategies that determine households' sensitivity and resilience can also act as stressors, (resources and

of commonalities across sites. Therefore, this type of study will enable the illuminating context-specific constraints, they will also indicate the existence at the various scales and their differential impacts in diverse contexts. While approach to the extent that they consider the causes and the nature of stressors shock or crisis situation. However, these studies must be multidimensional in cyclical/seasonal food insecurity, and how they may fare during a temporary households currently attempt to address existing chronic food insecurity, 'normal' conditions is vital. Such studies will enable the determination of how local-level, and in-depth qualitative studies of households' experiences under impact of these conditions and stressors. Consequently, Hendriks's call for crisis in Southern Africa, it is important to understand the causes, nature and components of the multiple stressors that are underpinning the food security persistence of food crises in sub-Saharan Africa and that they are significant Given that prevailing structural conditions are largely responsible for the broader understanding of the existing causes of chronic food insecurity, the

shocks, and what developmental initiatives are required to ensure improved responses, should aim at strengthening livelihood strategies and enabling whose data is spatially located by means of geographical information systems as national assessments of food and nutrition insecurity, and those studies better understanding of the context in which larger quantitative studies, such depth studies of this nature will provide the information that is required for a food security and resilience to stressors at different scales. Furthermore, indifferential impacts on various households, the possible effects people to better manage their sensitivity to stressors. (GIS). Subsequent developmental programmes, along with necessary of future

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