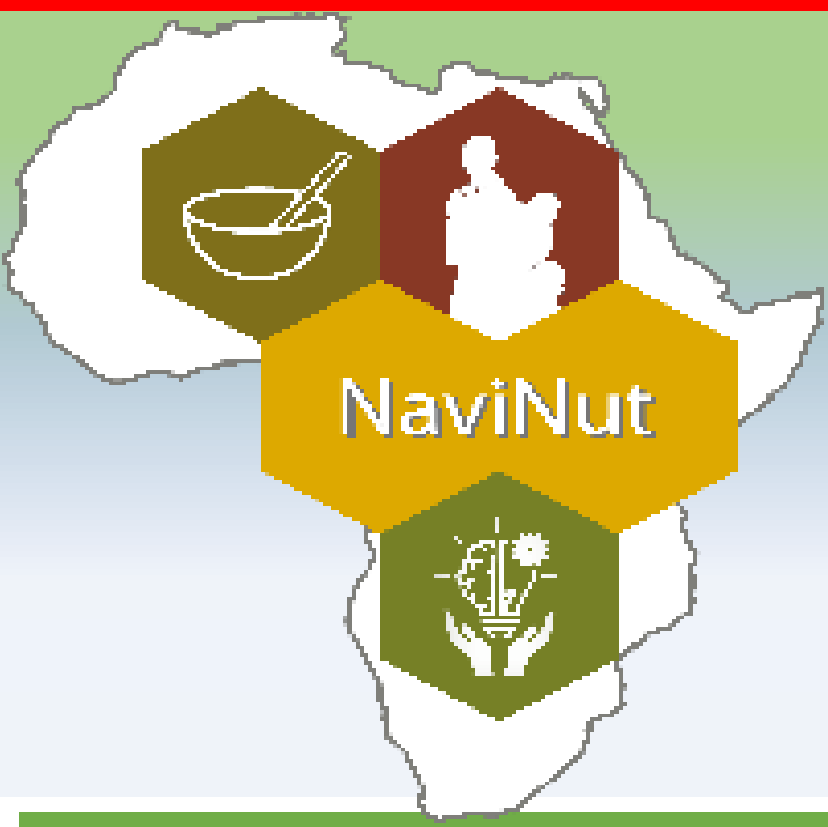


# Food environment of children under five in the dryland areas of northern Benin

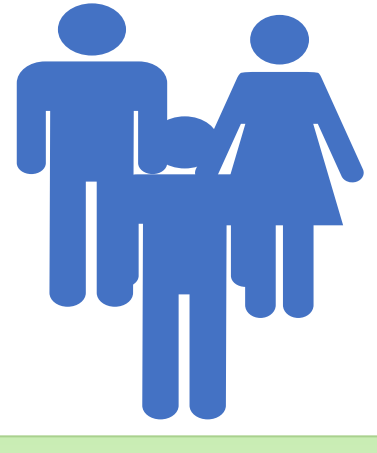
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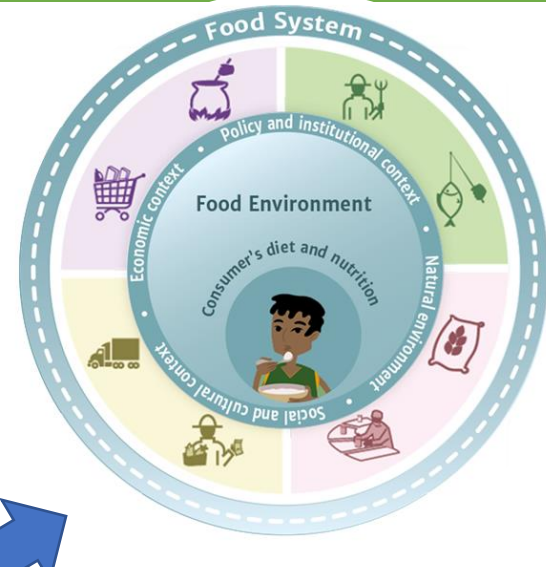
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## Background



Malnutrition affect 200 million children in sub-Saharan African until 2020,



Knowledge and understanding of food environments (FE) in their details and interactions can help to fight against malnutrition in all its forms (Turner et al., 2018 ; Herforth and Ahmed, 2015).



there is very little data available on dryland food environments

## Objective

Characterize the current personal and external food environment of children under five in the dry areas of North Benin.

## Methods and Data

### 0. Study areas

- Nikki,
- Banikoara, Benin



### 1. Data collection



20 Focus group discussion involving mothers and nutrition local actor



Individual interview with 11 key informants



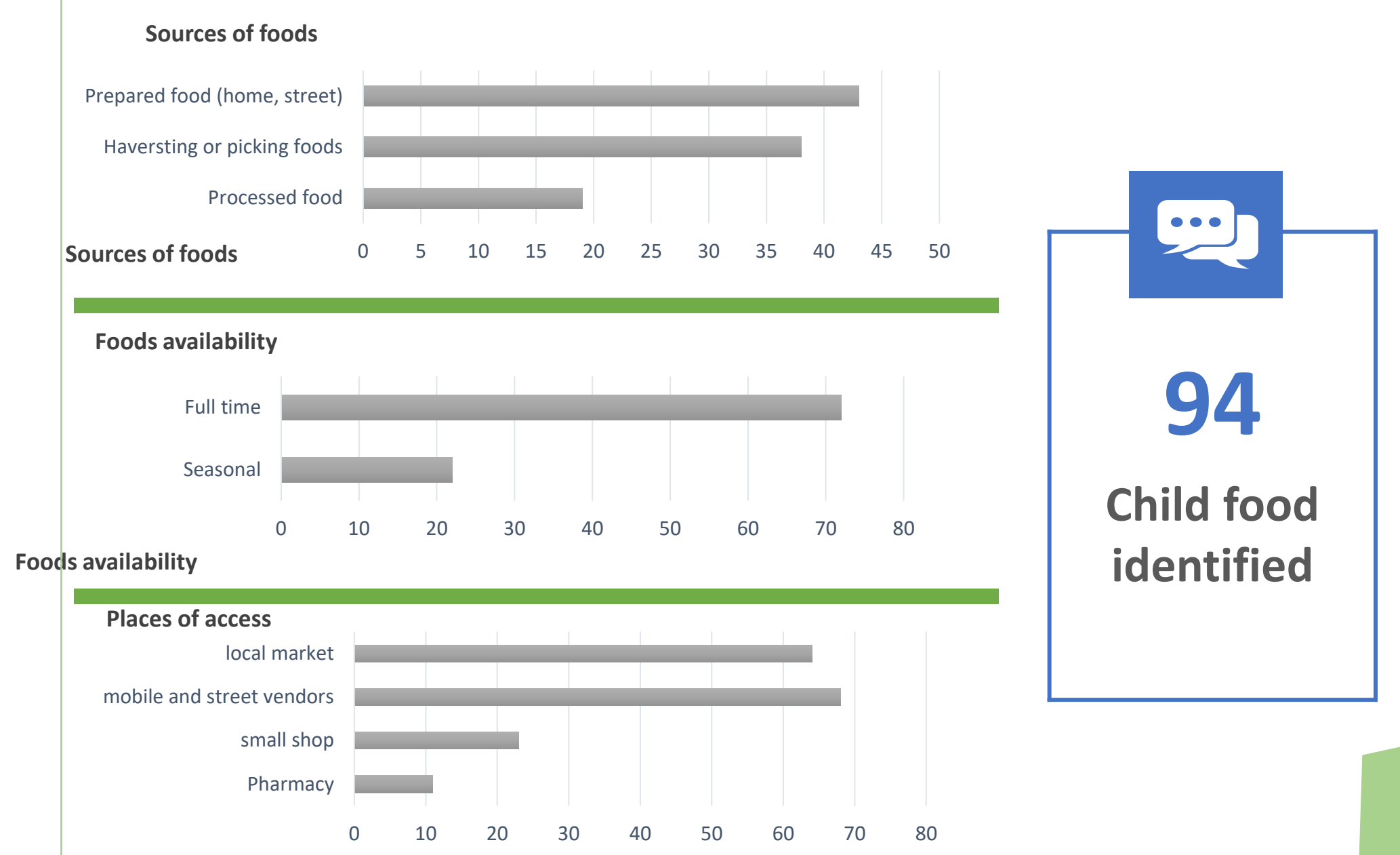
17 Local market and shop examination

### 2. Data analysis

- Data synthesis and triangulation.
  - Descriptive statistic for FE dimension description
  - Food affordability determine by comparing the sale price with the daily food expenditure capacity  $C = \frac{\sum_1^n(D*p)}{n*j}$ ;
- D\*p = monthly food expenditure ; n = number of areas; j= days
- A multiple correspondence analysis (MCA) include 26 variables to view clusters present in the FE.

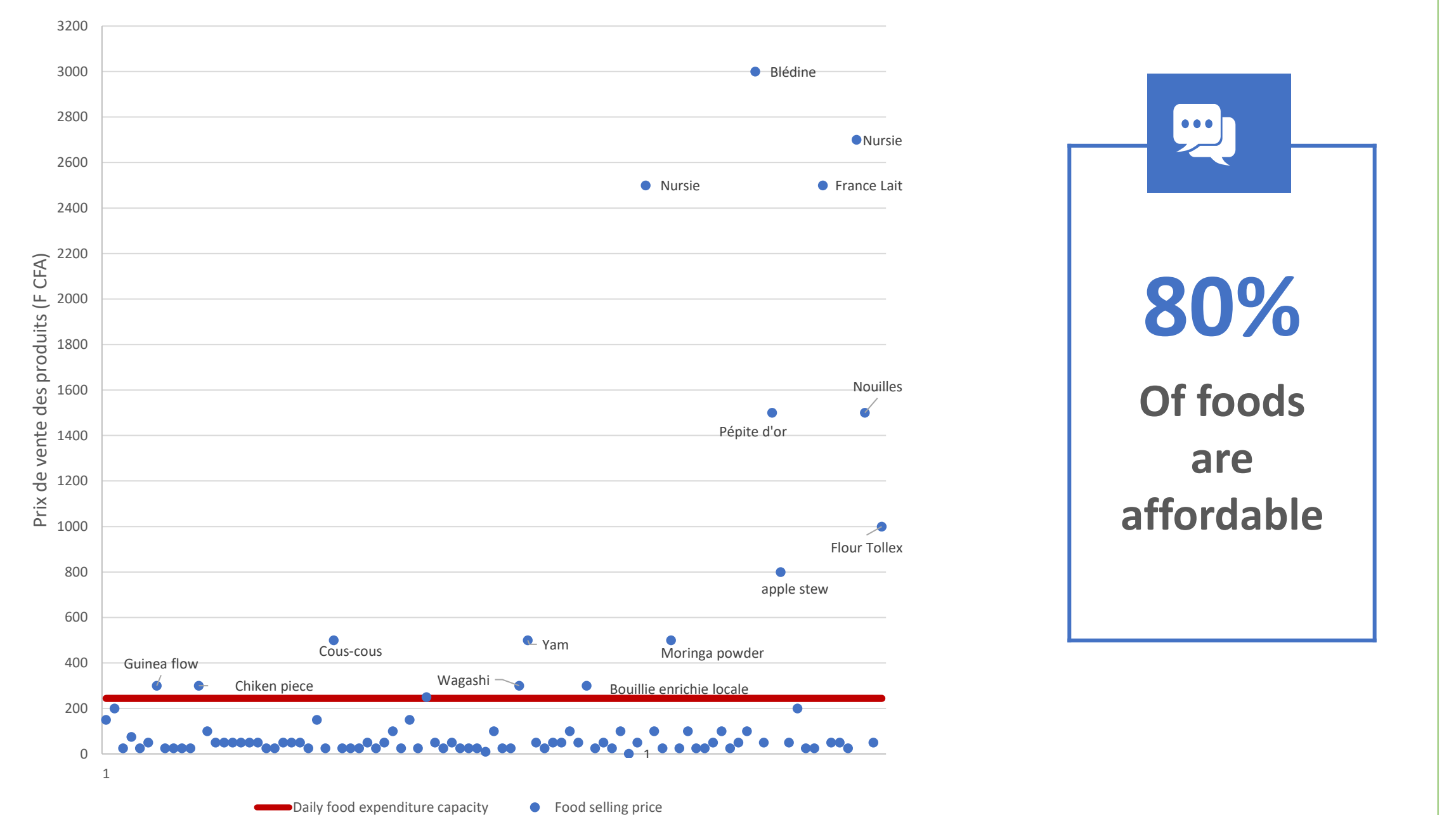
## Results

### 1. Food availability and accessibility



**94**  
Child food identified

### 2. Food prices and affordability



### 4. Promotion and food desirability

**Absence of promotion activity**

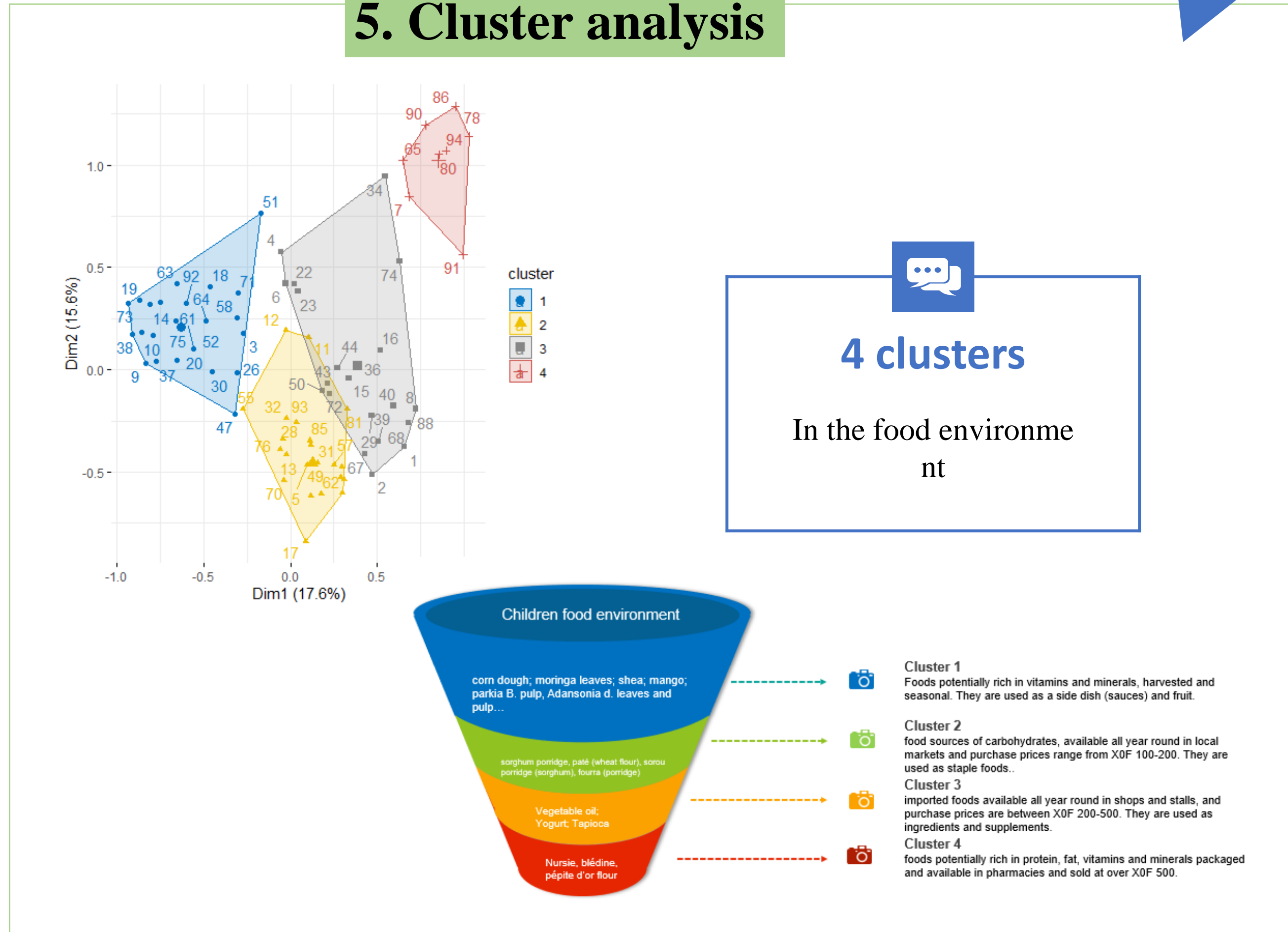
**Food desirability comes from eating habits**

### 3. Properties and convenience of food

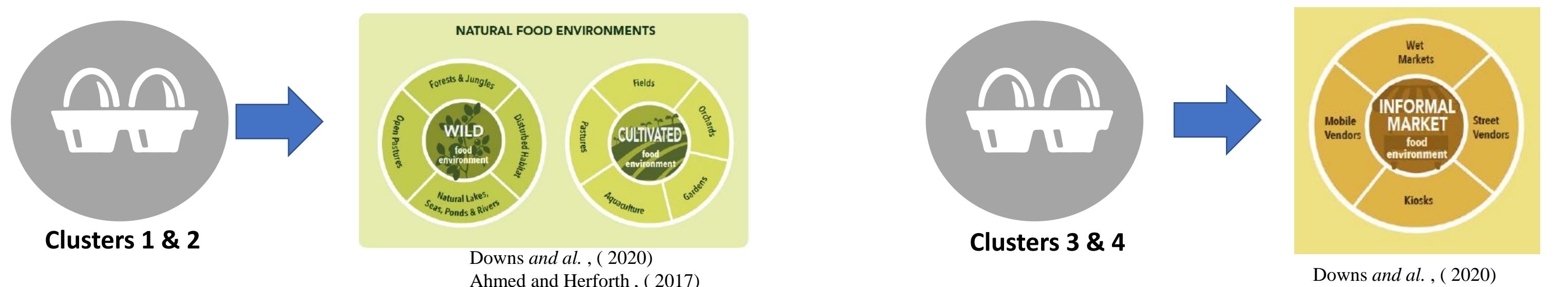
**Food are sold in bulk (72%)**

**56%**  
Of foods source of carbohydrates

### 5. Cluster analysis



## Discussion and Conclusion



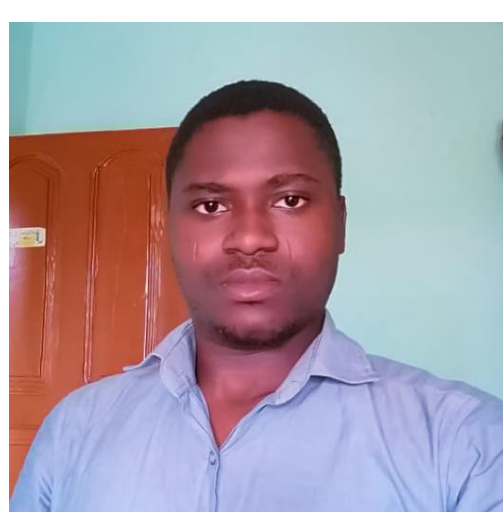
Food environment in transition with natural dominance (80%) and informal market (20%).

**Challenges**

- Availability of nutritious foods from Natural FE.
- Affordability of nutritious foods from informal market food FE

Limit its performance in addressing child malnutrition.

## CONTACT INFORMATION



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