Question FORMULATION: 
the approach of NIPN Burkina Faso

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Introduction

The Burkina team has engaged in the question formulation process early this year.

It entails the following steps:
- Desk review
- Mapping opportunities
- Nutrition situational analysis
- Question formulation
Desk review

Analysis of key indicators of strategies and plans related to nutrition from contributing sectors.

Review of the relevance of indicators and consistency among targets.

Consist of:

- Analysing plans & strategies related to nutrition for each sector
- Initial indicators levels and target levels
- Understanding the logic of the plan
Mapping opportunities

Identify key opportunities based on the analysis of plans and the consultation of sectors:

• Identify key moments where decisions are made
• Mid-term reviews and final evaluations of plans
Situational analysis

Critical analysis of malnutrition (e.g. chronic undernutrition) by:

• Using all available data sources (UNICEF, WHO, surveys, etc.)
• Identifying regions with a particular situation
• Formulating initial questions to understand variation of indicators at national and sub-national levels
• Elaborate a draft analysis plan to address the questions raised
Question formulation

• Use results of previous steps to organise a research questions formulation workshop
• Refine and validate questions and develop the analysis framework
• Validate questions and analysis plan by mandated structures
• All those steps require the involvement of sectors et NIPN stakeholders in the country
Thank you for your attention!
Examples of questions and analysis framework
Identification of questions (1/3)

Initial questions have been formulated

• 1. How have indicators of malnutrition evolved in the last 10 years in the different regions of Burkina Faso?

• 2. How has the nutritional status of women (14-49 y) evolved in the different regions of Burkina Faso?

• 3. What will be the impact of the implementation of the different actions plans related to nutrition on avoided child chronic malnutrition and mortality (using the LiST tool)
Identification of questions (2/3)

• 4. What has been the evolution of the rate of children under 5 chronic malnutrition over the last 10 years in Burkina Faso?

• SQ1: what are the differences among regions?

• SQ2: what are the factors that contribute most to the reduction of malnutrition?

• SQ3: how do these factors evolve at national level and in the different regions?
Identification of questions (3/3)

- SQ4: what critical factors need to be addressed in the most affected regions in order to have the most impact?

- SQ5: what are the differences between the most affected and the least affected regions?

- SQ6: how have the determinants of chronic malnutrition evolved in the most critical regions?
### Example of analysis framework

<table>
<thead>
<tr>
<th>QUESTIONS</th>
<th>DATA</th>
<th>ANALYSIS</th>
<th>TOOLS</th>
<th>SKILLS</th>
<th>CAPACITY BUILDING NEEDS</th>
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</thead>
<tbody>
<tr>
<td>What has been the evolution of the rate of children under 5 chronic malnutrition over the last 10 years in Burkina Faso?</td>
<td>Survey data (SMART, EDS, MICS) and routine data (ENDOS)</td>
<td>Descriptive analysis</td>
<td>SPSS, STATA, R</td>
<td>Statistical skills</td>
<td>Statistic tools and methods (SPSS, STATA, R)</td>
</tr>
<tr>
<td>• SQ1: what are the differences among regions?</td>
<td>Survey data (SMART, EDS, MICS) and routine data (ENDOS)</td>
<td>descriptive &amp; comparative analysis</td>
<td>SPSS, STATA, R</td>
<td>Statistical skills</td>
<td>Statistic tools and methods (SPSS, STATA, R)</td>
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<tr>
<td>• SQ2: what are the factors that contribute most to the reduction of malnutrition?</td>
<td>Survey data (SMART, EDS, MICS) and routine data (ENDOS)</td>
<td>Modelling</td>
<td>'outil LiST</td>
<td>LiST</td>
<td>LiST tool</td>
</tr>
<tr>
<td>• SQ3: how do these factors evolve at national level and in the different regions?</td>
<td>Survey data (SMART, EDS, MICS) and routine data (ENDOS)</td>
<td>descriptive &amp; comparative analysis</td>
<td>SPSS, STATA, R</td>
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