MAIZE FORTIFICATION STRATEGY WORKSHOP
3 – 7 OCTOBER 2016
DAR ES SALAAM TANZANIA

Maize Milling Structure

COUNTRY : TOGO/WEST AFRICA

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CEO, QUALITY SERVICE INTERNATIONAL(QSI)/TOGO- www.maivit.com
## MAIZE MILLING INDUSTRY STRUCTURE

<table>
<thead>
<tr>
<th>LARGE</th>
<th>MEDIUM</th>
<th>SMALL</th>
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<tbody>
<tr>
<td>• NUMBER : 01</td>
<td>• NUMBER: 0</td>
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<tr>
<td>• LOCATION : LOME(CAPITAL)/SOUTH</td>
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<tr>
<td>• FORTIFICATION : NO</td>
<td>• FORTIFICATION : YES (since 2009)</td>
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</tr>
<tr>
<td>• CAPACITY: 120 TPD</td>
<td>• CAPACITY : 5-10 TPD</td>
<td>• CAPACITY : 5-10 TPD</td>
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<tr>
<td>• BRAND NAME : Falcon</td>
<td>• BRAND NAME : <em>maïvit</em>, <em>maivit NDD</em></td>
<td>• BRAND NAME : <em>maïvit</em>, <em>maivit NDD</em></td>
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<tr>
<td>Produced by EXPORT TRADING GROUP (ETG)-TOGO</td>
<td>produced by QSI-TOGO</td>
<td>produced by QSI-TOGO</td>
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<tr>
<td>• Market : Togo (10%)</td>
<td>• Market : Togo (50%) and Export (50%)</td>
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<tr>
<td>and Export(90%)</td>
<td>• Thick porridge name (Dough): Akoumé (Ewokoumé non fermented, Emakoumé fermented)</td>
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## Status of Maize Flour Fortification in the Country

### MANDATORY
- NO MANDATORY MAIZE FLOUR FORTIFICATION EXIST YET
- STANDARDS ON MAIZE FLOUR FORTIFICATION HAVE MADE BY UEMOA/WAEMU & ECOWAS WHICH INCLUDE TOGO
- HOWEVER THERE IS MANDATORY FORTIFICATION (Decree N°2012-010/PR and its’ enforcement law arrêté N°133/2013/MS/MCPSP/MIZFIT)—Fortification of refined oil and wheat flour with micronutrients) FOR:
  - WHEAT FLOUR: Iron (60 g/MT); Folic acid (2.6); Zinc (55 g/MT) produced by SGMT
  - COOKING OIL: Vitamin A (11-24 mg/kg) produced by NIOTO
  - Salt: Iodine (15-60 ppm)
  - Use of FF logo

<table>
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<tr>
<th>ENRICHED</th>
<th>MAIZE FLOUR (Iron 130g/MT; Folic Acid 6.8g/MT; Zinc 17g/MT; Vit A 2.26g/MT; Iodine 0.1ppm)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>CORN-SOJA BLEND FOR INFANT &amp; YOUNG CHILDREN COMPLEMENTARY FEEDING (Iron 80g/MT; Folic Acid 2.2g/MT; Zinc 65g/MT; Vit A 4.37g/MT; Iodine 0.3ppm)</td>
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</table>

### VOLUNTARY
- ONLY ONE COMPANY (QSI) PRACTISES MAIZE FLOUR FORTIFICATION ON VOLUNTARY BASIS SINCE 2010
- MAIZE BASE PRODUCTS:
  - MAIZE FLOUR:
  - CORN-SOJA BLEND FOR INFANT & YOUNG CHILDREN COMPLEMENTARY FEEDING
- PRODUCTION: 2-10 TPD
- LAB FORTIFICATION CONTROL—Equipped with I-check (Iron, Vit A)/DONATED BY GAIN&BIOANALYT
# MAIN CHALLENGES TO IMPLEMENT MAIZE FLOUR FORTIFICATION

## LACK OF KNOWLEDGE ON FORTIFICATION AND ITS BENEFIT

- Food fortification in general is still unknown subject in the population both in cities and rural areas.
- Authorities, policies makers are not sensitized to the potential benefit of maize fortification: low level of capacity to support maize fortification.
- Conservatism (Some people want to continue the traditional way)/Resistance to change – Or they perceived commercial fortified flour as more expensive, reducing the market of fortified maize flour.
- No incentives, tax not removed on the importation of premix.
- Limited financial resources allocation.

## NUMEROUS OF INDIVIDUAL SMALL MILLS

- Too many and fragmented small scale individual toll/hammer mills – that consist for household to bring 2.5 to 5 kg of maize grain to the mill and get flour back.
- Difficulty to implement centralized large mill.
- Short shelf life of maize flour.
- AFLATOXINS THREATS.