

TECHNCIAL CONSULTATION FOR DEVELOPING A TECHNCIAL GUIDE IN FOOD AND NUTRITION SURVEILLANCE SYSTEM FOR COUNTRIES IN THE EASTERN MEDITERRANEAN REGION

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WHO Global Strategic focus

Area 1 : Development and operationalization of integrated food and nutrition policies - *Putting health back in the food and nutrition policy agenda*

Area 2 : Intelligence of needs and response - *Providing the factual dimension of nutrition issues*

Area 3 : Development of evidence based programme guidance - Selecting effective options for each context

Area 4 : Advocacy - *Providing the rationale for investment and action*





Identifying nutritional problems of a population in a clear and measurable way will help to:

Define needs, opportunities and constraints, and prioritize solutions.

Evaluate programme impact and improve efficiency.

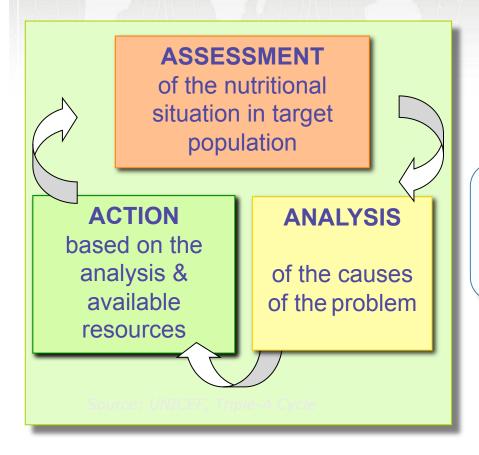
Influence decision making in strategic planning, policy formulation and resource allocation.

Raise community awareness and participation to maximize longterm impact.





Nutrition Sassement (Nutrition surveillance)



To define the nutritional problem of the targeted population, it is necessary to **measure** its **nutritional status.**

Nutritional status assessments enable to determine whether the individual is well-nourished or undernourished.



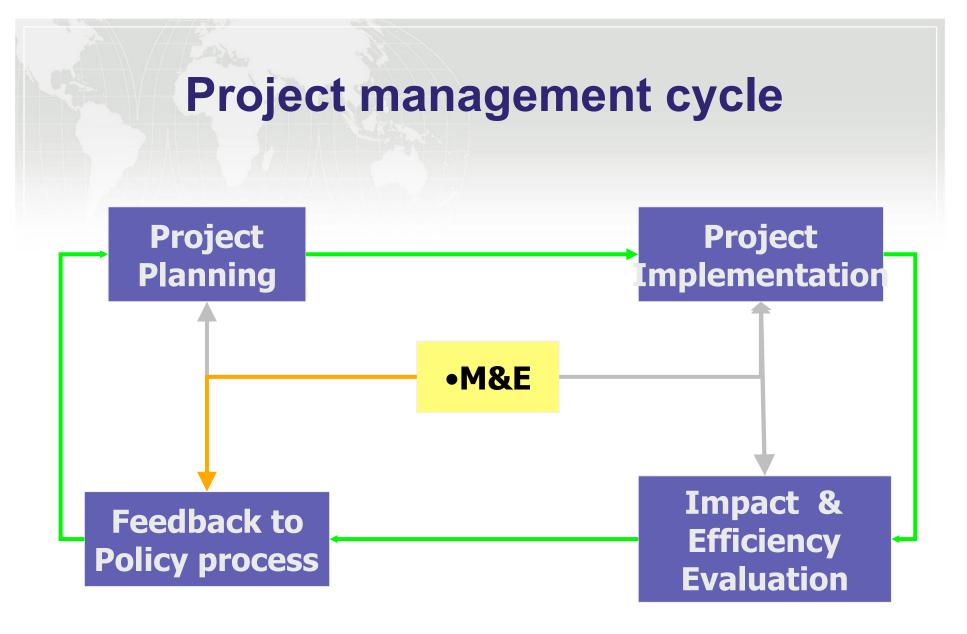


Guidelines for Designing a Monitoring System

- For whom the data are collected (stakeholders)?
- What data are collected (questions and indicators)?
- How data are collected (methodology)?
- Who collects the data (personnel)?
- When data are collected (frequency)?
- Who reports the data and when?



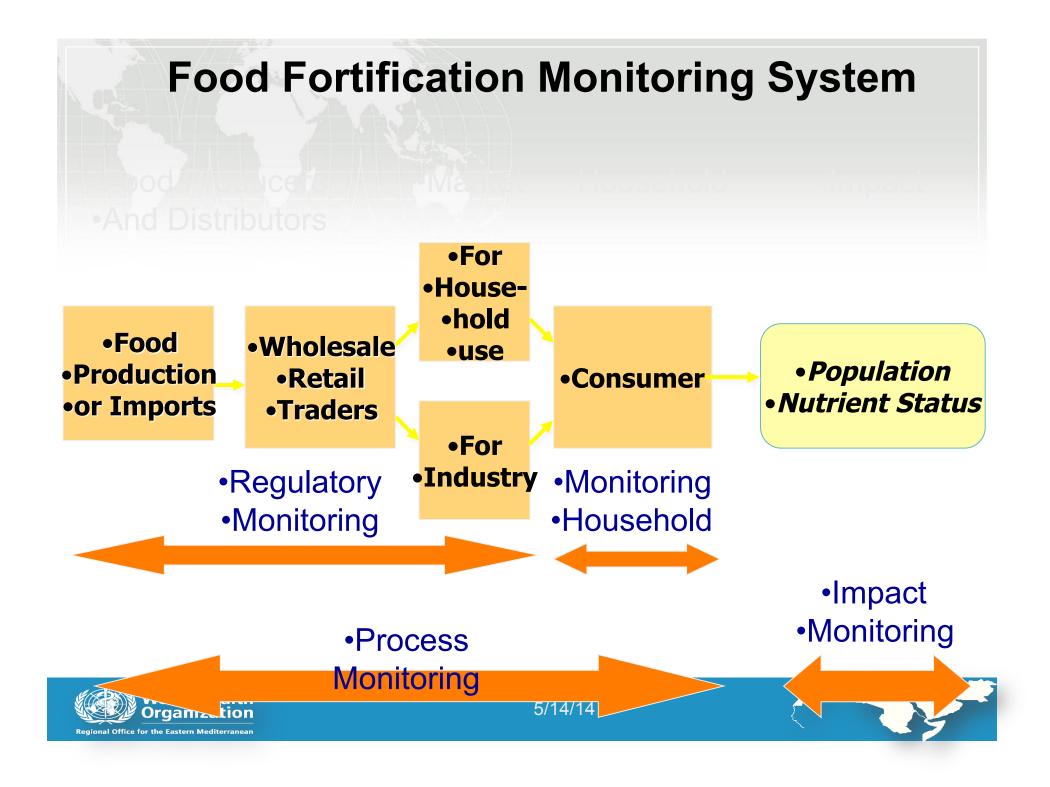
Who does what based on the information?

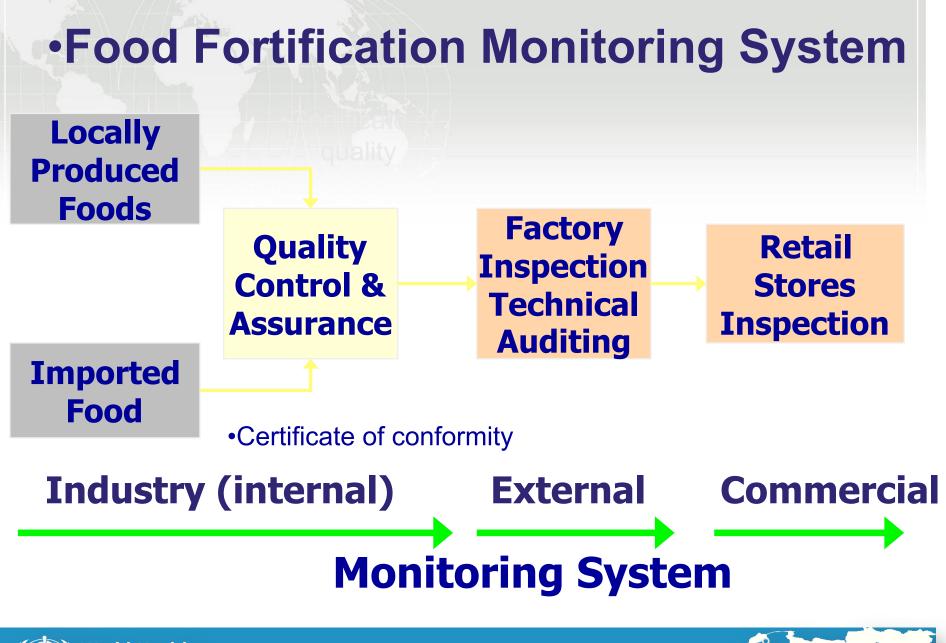


•Adapted from Valadez (1991)





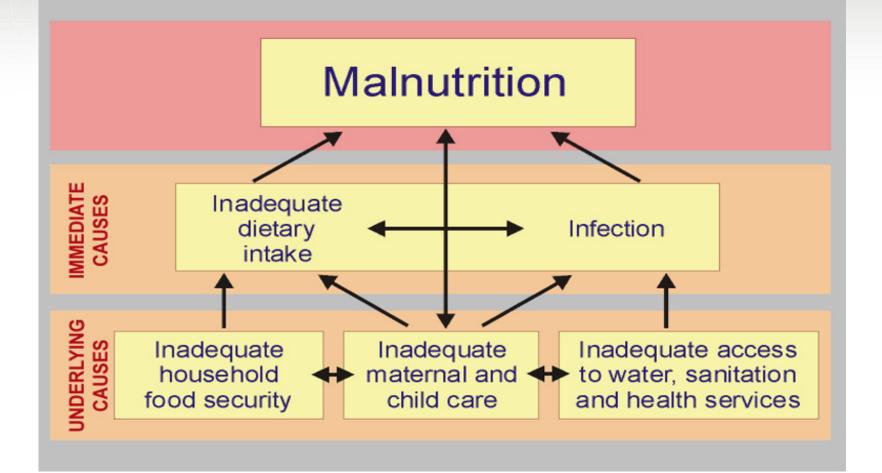










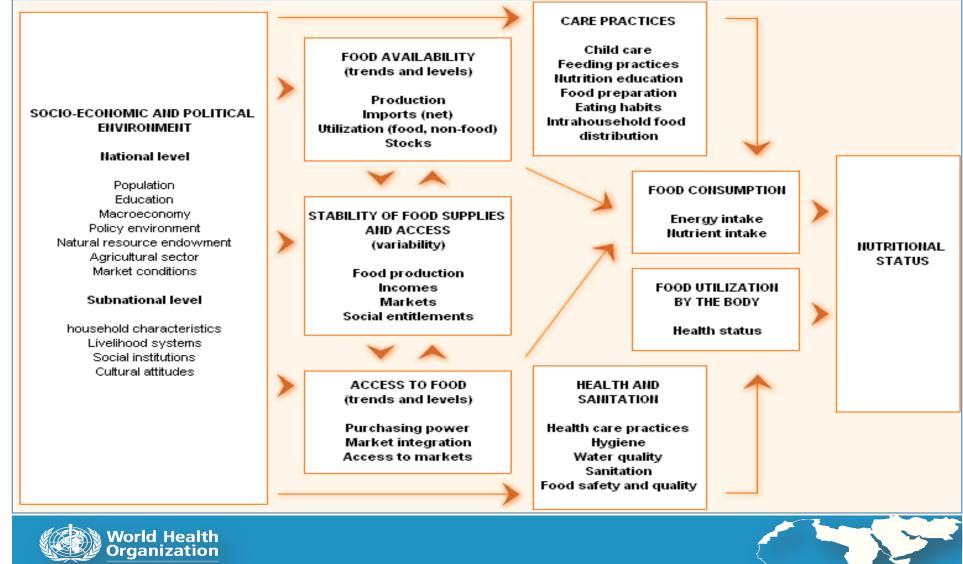






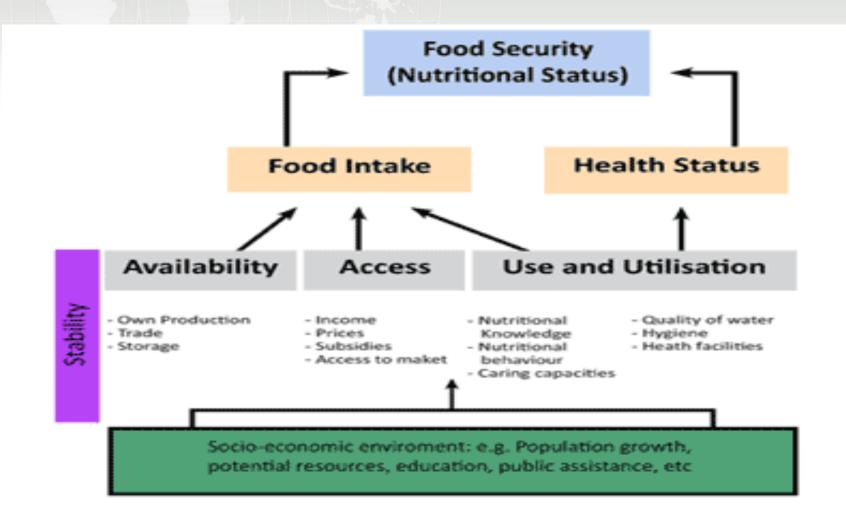
Nutrition surveillance system

The conceptual framework developed by FAO's Food Insecurity and Vulnerability Information and Mapping Systems (FIVIMS):



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Link between Food Security and Nutrition Status







Target of the Nutrition Surveillance



- Women in the reproductive age 15-49 year
- Children less than 5 years
- School age children

Other groups

- Adolescent
- Elderly





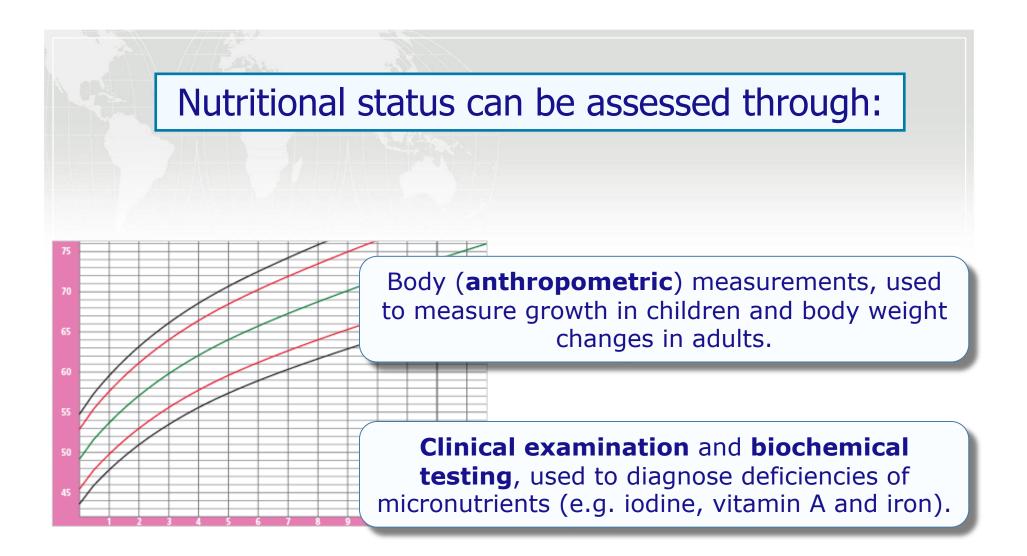
Methods of FNSS

1. large scale national surveys
2. repeated small scale surveys
3. clinic-based monitoring
4. Sentinel site surveillance
5. school census data

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In an emergency setting additional sources of data can be obtained from:

1. rapid nutrition assessments 2. rapid screening based on mid-upper arm circumference (MUAC)







Two major **sources of anthropometric information** are:

Demographic and Health Surveys (DHS)

Multiple Indicator Cluster Survey (MICS)

Four main data collection methodologies

Repeated Surveys

Growth Monitoring

Sentinel Site Surveillance

School Census Data



SENTINEL SITE SURVEILLANCE

Sentinel site surveillance involves surveillance in a limited number of sites, to detect trends in the overall well-being of the population.

The sites may be specific population groups or villages that cover **populations at risk**.

It can be:

- centrally-based sentinel site surveillance, or
- community-based sentinel site surveillance.

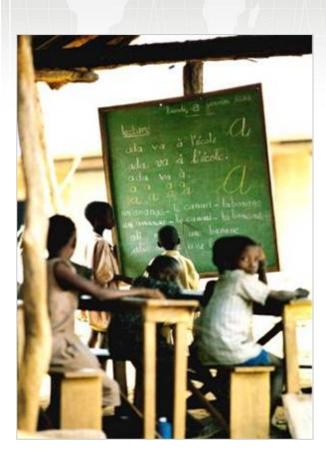
On page 9 of the Learner Notes you may find a table describing the features of sentinel site surveillance.

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SCHOOL CENSUS DATA



School census data relates to nutritional assessment occasionally undertaken in schools.

The objective is to **identify highrisk children** with poor health, malnutrition and low socioeconomic status.

n page 10 of the Learner Notes you may find a table describing the features of school census data



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Other key factors to consider are:

Response capacity at different levels (household, community, district, national and international).

Environmental factors, such as security, geographical terrain and infrastructure.

Seasonality of malnutrition in most developing countries.

Emergency versus non-emergency contexts.

Organizational mandate and implementation capacity





Selection Nutrition and Food Surveillance System



When deciding which type of information source should be used, one must match **costs with resource availability**.

Before undertaking any survey, consider:

- are there any existing data?
- national surveys are very expensive and time-consuming compared to community based systems: is it necessary to look for donor funding?
- is there a need to sustain a system over a period of time?





Monitoring system

- Access: are the fortified products available and affordable to the target population?
- Utilization: are the fortified products being purchased by the target households?
- Coverage: are the fortified products being consumed by the target population?
- Impact: has the nutritional status of the target population improved?





Internal, External and Commercial Monitoring

Purpose

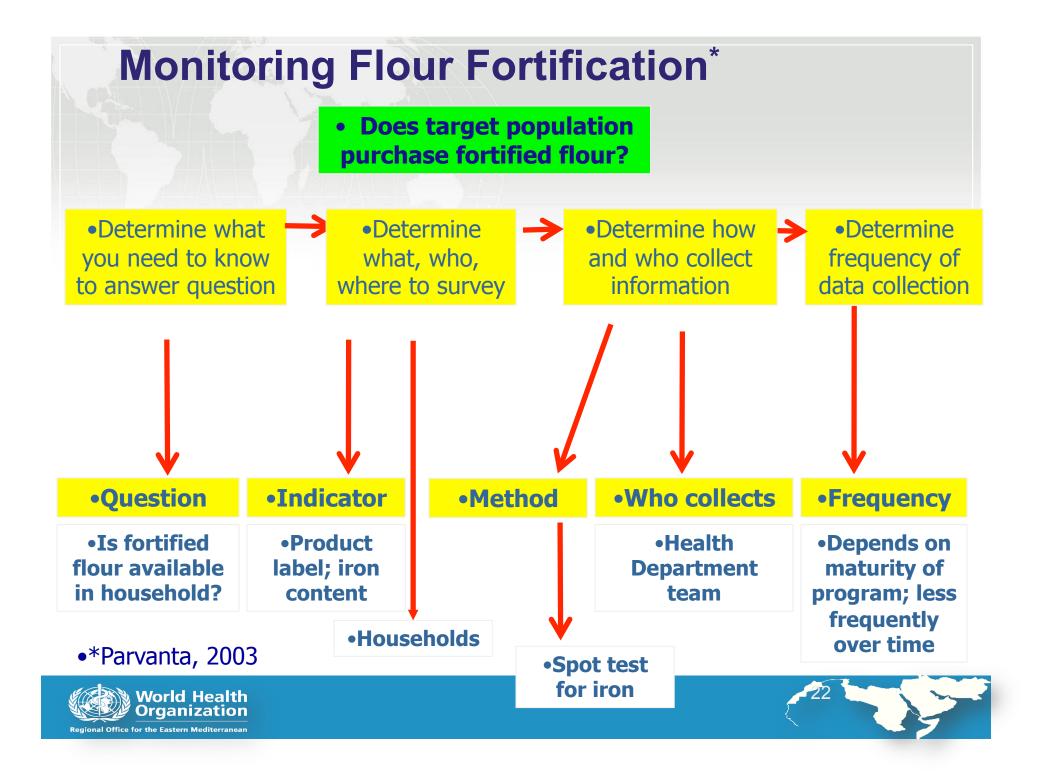
To ensure that fortified foods meet nutrient quality and safety standards (from factory to retail store).

Examples of aspects to be monitored

- 1. Are Good Manufacturing Practices (GMP) applied?
- 2. Are Hazard Analysis Critical Control Points (HACCP) in place? Is Quality Assurance/Quality Control (QA/QC) correctly done?
- 3. Are inspection and technical auditing at factory and packers levels implemented satisfactorily?
- 4. Is verification of legal compliance at retail stores done as planned?







Impact Monitoring

- Impact: expected effects (changes) of a project/program on a target population
- To assess if prevalence of a micronutrient deficiency is at or below pre-determined level – e.g.
 - Reduce prevalence of iron deficiency in non-pregnant women to 20% or less
- Likely sufficient for most country program evaluations





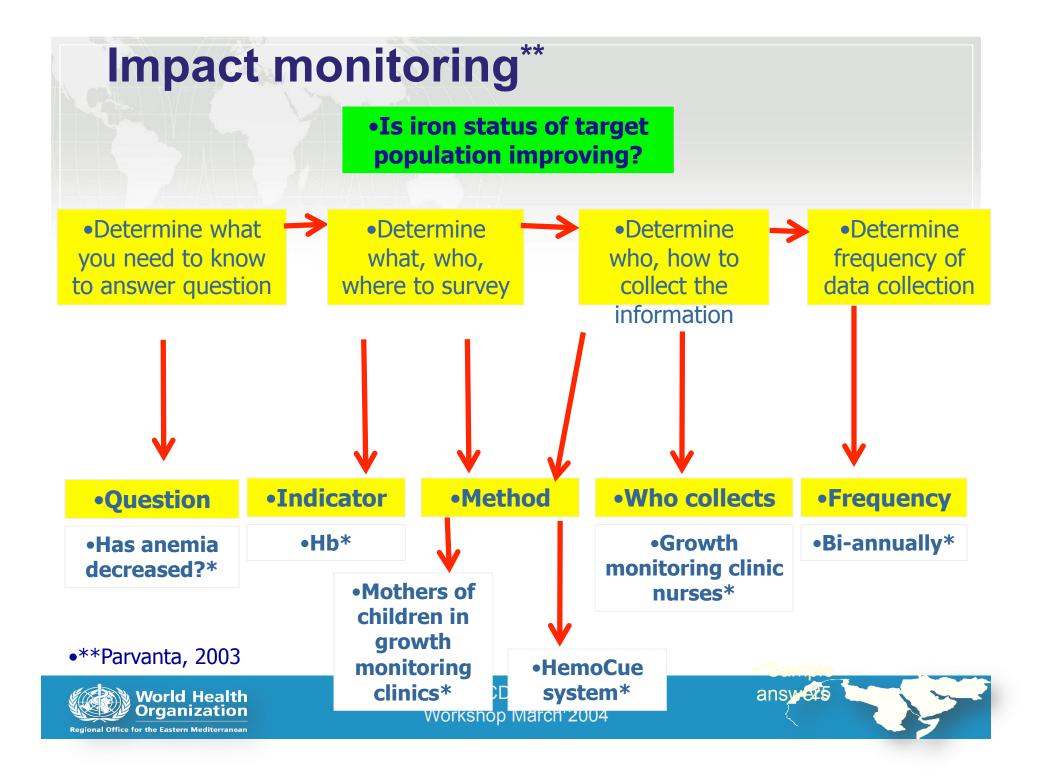
When to do impact monitoring?

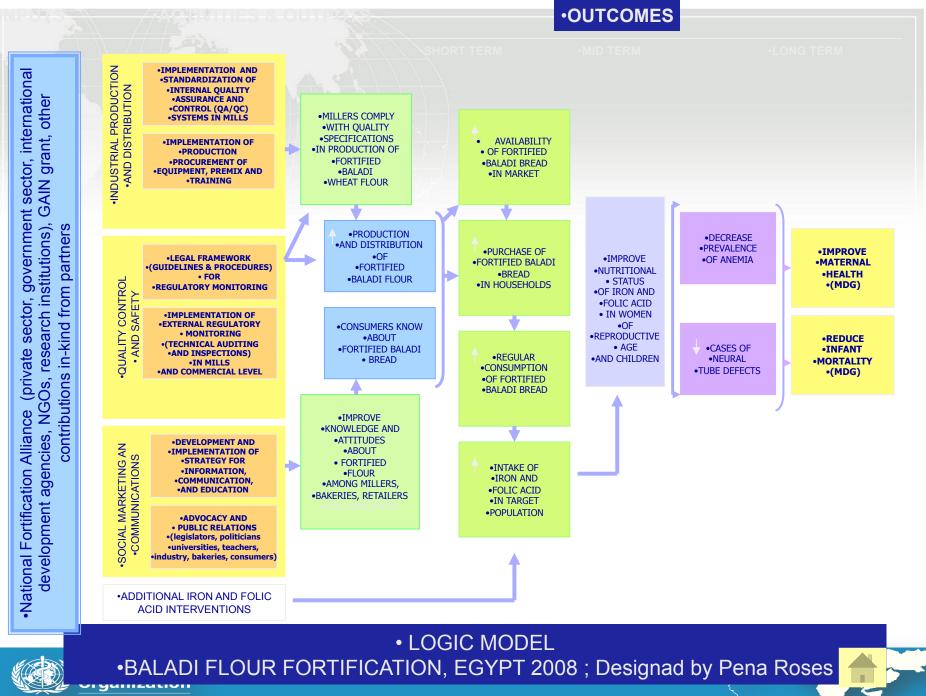
- Once process monitoring system indicates:
 - Adequate program implementation
 - Adequate program coverage for minimum period (depends on target nutrient)

•Not Before!









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