



# **Dietary assessment app for Brazilian schoolchildren**

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**GREEN RIO WORKSHOP**

**INOVAÇÃO E APRENDIZADO SOBRE ALIMENTOS E SUSTENTABILIDADE:  
Contribuições para os Objetivos do Desenvolvimento Sustentável**

# Purpose

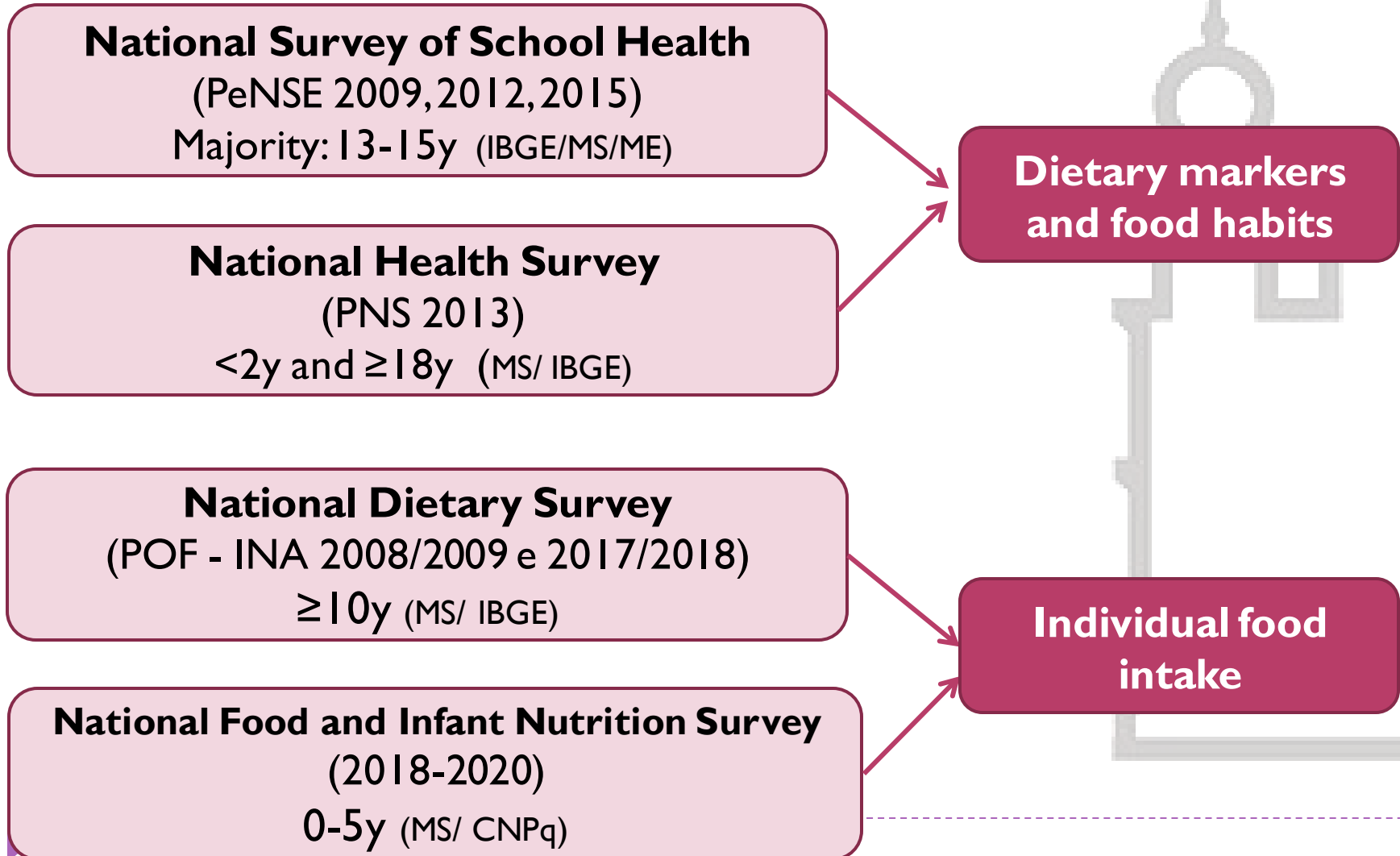
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Create a technology to help individual dietary assessment of the Brazilian schoolchildren (6-10y)



# Brazilian National Surveys

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# Brazilian National Dietary Survey

**National Dietary Survey**  
(POF - INA 2008/2009 e 2017/2018)  
≥ 10y (MS/ IBGE)

**Software BrasilNutri**  
<http://nebin.com.br/bnutri.html>

Sistema Recordatório

### Brasil-Nutri

Alimento:

CHOCOLATE, TABLETE, AO LEITE

Dia recordado:  Foi um dia atípico na sua alimentação?  
 Sim  Não

Preparação:  Adição 1:

Local:  Adição 2:

Ocasão de consumo:  Adição 3:

Unidade:  Adição 4:

Hora:  Quantidade:  Adição 5:

ALIMENTO	PREPARACAO	HORA	LOCAL

← → ↻ ⓘ Não seguro | nebin.com.br/bnutri.html

Apps Google Portal ENSP - Página Gmail Portal de Serviços do SIGA - FIOCRUZ SAS Information Cent Home - PubMed - NC Entrar no cliente Zimi



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# Primary objective

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Develop a standardized computerized methodology in the software and mobile app format to evaluate the global food intake of Brazilian schoolchildren



## Secondary objective

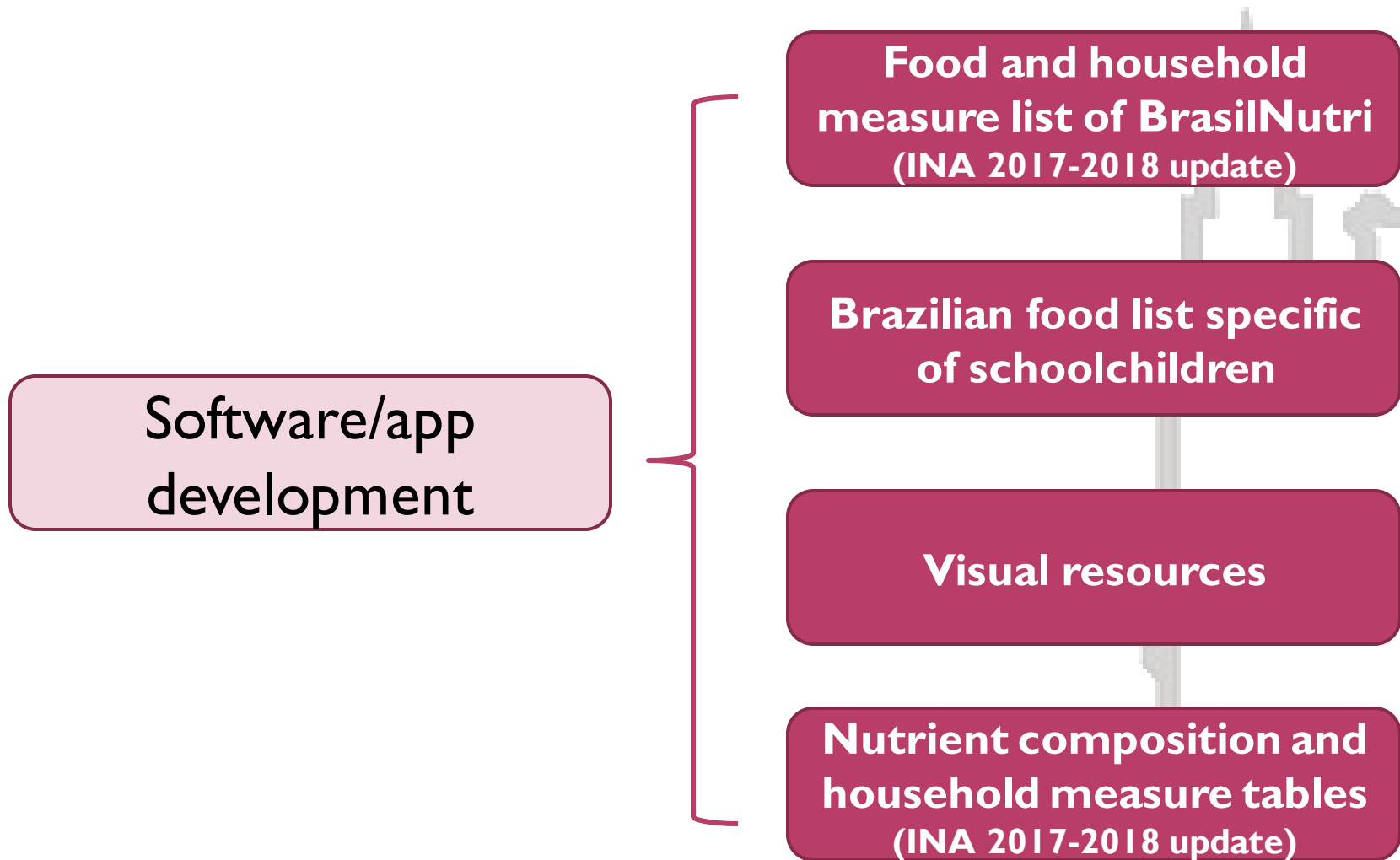
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Develop a systematic review on technologies used in the dietary assessment of children



# Methods

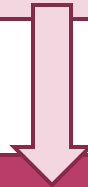
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# Challenge

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Software/app development



**Create a strategy to know all information  
about the child's nutrition  
(home, school, street)**





# Methods

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Usability Test

**Data entry:**  
dietary data of schoolchildren  
from 3 Brazilian regions  
(Northeast, Southeast and South)

**Identify errors:**  
lack of information; problems  
typing data; lack of synchrony  
between the software interfaces



# Impact

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Scientific technical

Standardize and automate the data collected of the Brazilian child dietary information

National comparability of dietary data




# Impact

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Public Health

Monitoring the nutritional status  
of children

Evaluation and formulation of  
public health policies for  
healthy infant nutrition



# Collaborating researchers

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