

NHAM

Nutrition for a Healthy and Appetizing Meal

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Objective



NUTRITION FOR
A HEALTHY AND
APPETIZING MEAL

To promote Food and Nutrition Security in public schools through the use of data science, qualification and protagonism of school cooks and integration with local small farmers.

Motivations



NUTRITION FOR
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- The school meal is often the main daily meal for children
- In Brazil, the amount for school lunch is only US\$ 0.07 per students of elementary school, per day
- There is no connection between demand and supply in the relationship between school meals and small farmers

Main pillars



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- Integration with 2 other IPTI's Social Technologies: Hb and TAG
- Use of data science for helping decision making based on evidences
- Valuing the role of the school cook, expanding it to a food and nutrition educator in schools
- Engaging small farmers in the food security process as a competitiveness strategy for marketing and improving income



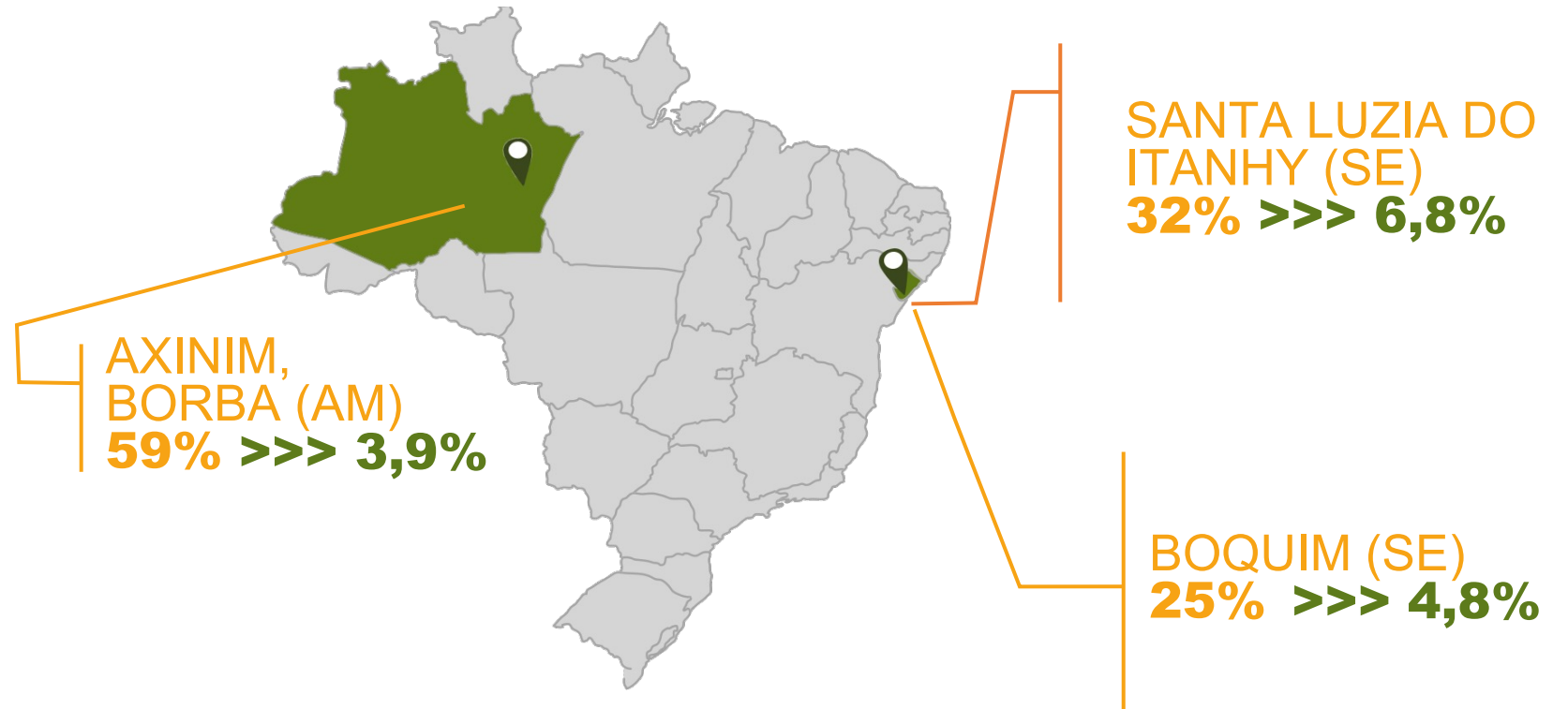
Iron deficiency anemia in schools

- The main causes are bad eating and soil parasites infection
- The solution is based on a low cost device to measure hemoglobin level in blood among all students (school screening)
- Weight and height measurements are required and make it possible to assess malnutrition and obesity
- The treatment is carried out over 12 weeks, using ferrous sulfate and a vermifuge



Iron deficiency anemia in schools

Results before
and after the Hb
campaign in 3
Brazilian cities



Data management system

- Focused on monitoring children and adolescent development by integrating education, health and social care data
- Works online and offline, taking into account rural communities without Internet access
- TAG is currently implemented in more than 40 cities in Brazil and this number will raise to +80 cities by 2024



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NUTRITION FOR
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- Schools food stock control;
- Student's age, sex, weight, height, hemoglobin level;
- Student's parents history of chronic diseases, such as diabetes and hypertension;
- Daily presence control of students at school

Use of data science for



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- Preparing meals according to the special needs of groups of students and monitoring students' nutritional health
- Helping schools cooks to replace lacking products assuring nutritional requirements
- Providing transparency and better management of the public school meals system
- Helping the small farmers in planning and direct selling for the local public government

Project status



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- Pilot in 4 public schools of Santa Luzia do Itanhy, city located in south of Sergipe state, and one of the poorest cities in Brazil
- Full digital ecosystem shall be ready by middle of 2023
- Re-application in all schools of Santa Luzia do Itanhy and other 3 Brazilian cities planned for 2024
- Full scalability plan for 2025



THANK YOU!



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