



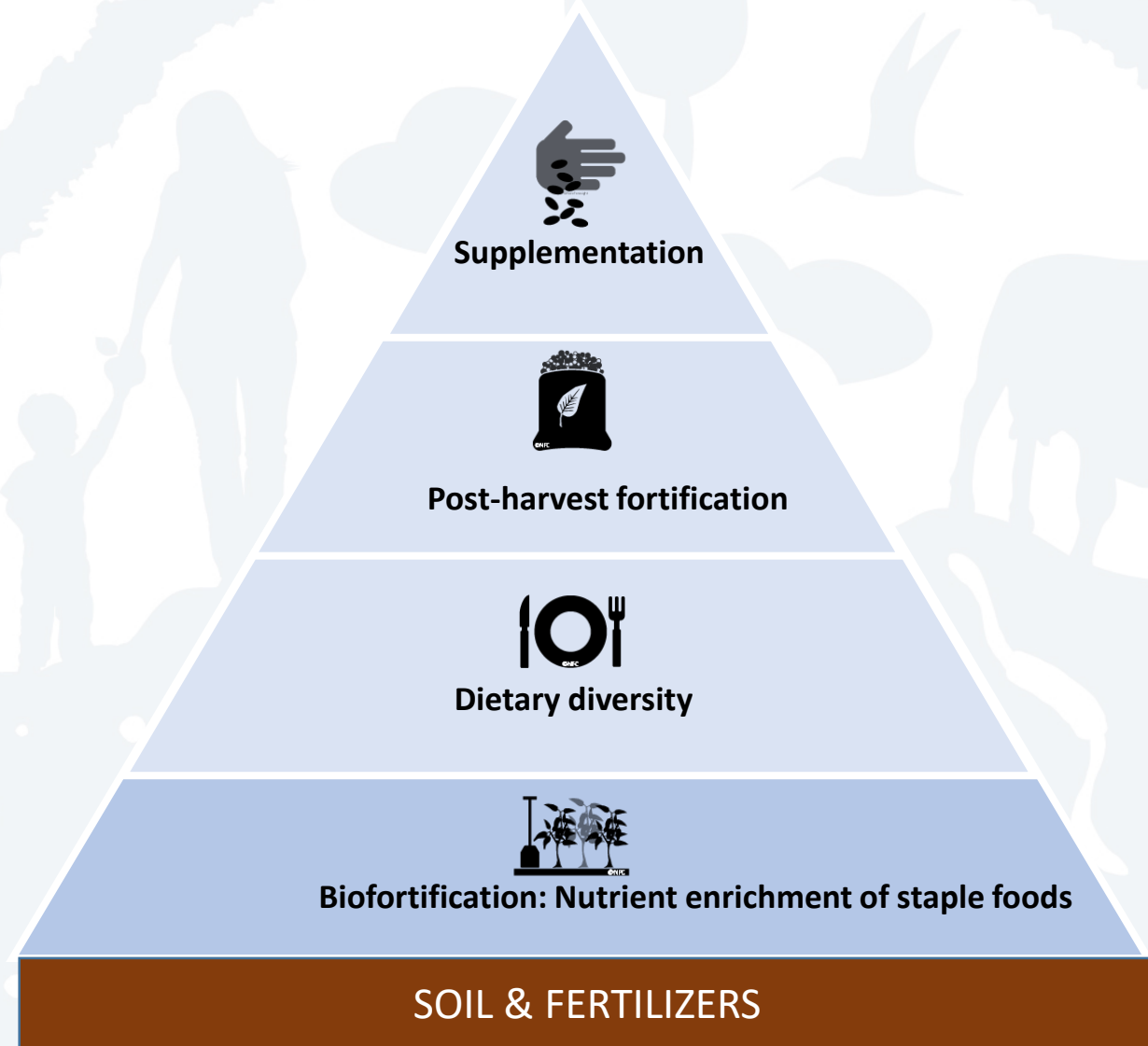
Biofortification, an innovative approach to bridge the gap between agriculture and nutrition

Jenny Walton – HarvestPlus (IFPRI)

Global Symposium on Soils for Nutrition | 26-29 July 2022



Solutions to combat hidden hunger



- SOFI report >3bn cannot afford healthy diet
- 60% of the calories consumed by humans are from wheat, maize and rice.
- Globally, an estimated one-third of people suffer from at least one form of micronutrient deficiency.
- Costs – Pakistan \$3B, India \$12B, Nigeria \$1.5B
- Improve the global food system by increasing the nutrient density of staple grain crops.

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What is Biofortification?

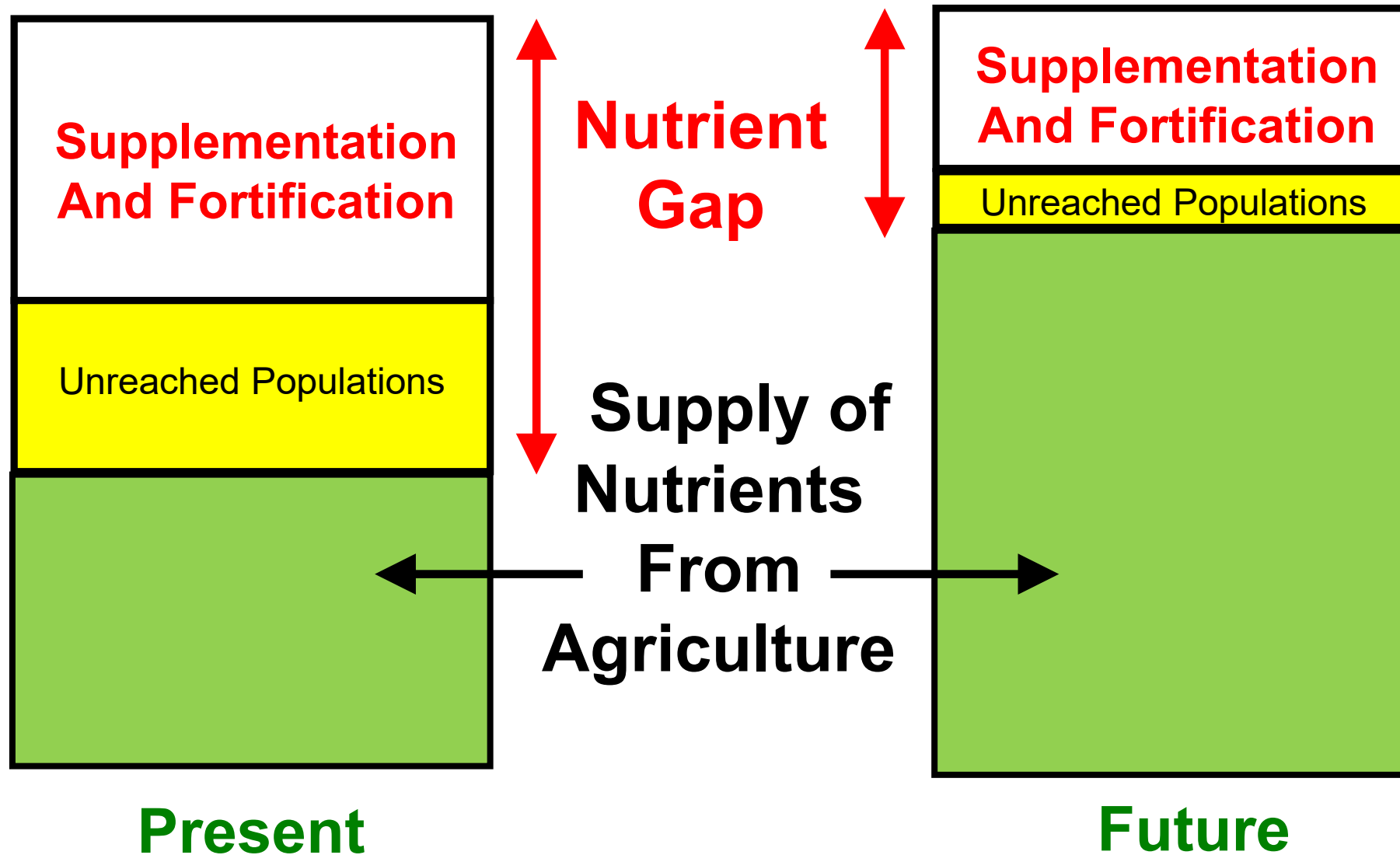


The HarvestPlus delivery program works with varieties from conventional plant breeding – Wider variety of technologies are possible (e.g., Golden Rice)

Biofortification is a process of **increasing the density** of vitamins and minerals in a crop through **plant breeding** and or **agronomic practices**, so that the biofortified crops, when consumed regularly, will generate measurable improvement in vitamin and mineral nutritional status.

The new term of 'Nutrient Enriched Crops' for commercial or consumer conversations

Role of Agriculture Is To Provide Nutrients for Healthy Populations





Thank you !
J.Walton@cgiar.org

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