

An OrganIC remedy: Organizational Interface for Cultivation



OrganIC

Group 10

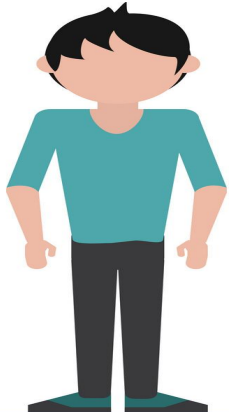
Lydia Mutoni
Peter Johnson
John Johnson
Laura Lee
Faiyaz Ahmed



Context



OrganIC



35 km



Michael, 30, Single
First Nations background
Gas station worker
T2D, obesity
\$15,000 annual income (<27% of the typical Canadian)

Expensive, low access
Low quality
Difficult for FN on reserves

Problem



OrganIC



Lack of accessibility to affordable healthy food options for low-income families and inner-city residents



Lack of resources and infrastructure to home-grow or autonomously farm and cultivate produce



Lack of education and cultural knowledge of healthy diet, eating organic, and other lifestyle factors

Solution



OrganIC



Grassroots inventory using interfaces (greenhouse and digital library) to connect community members with resources



Recycling, reusing and reducing usage of resources (seeds, compost, soil, bins, and tools)

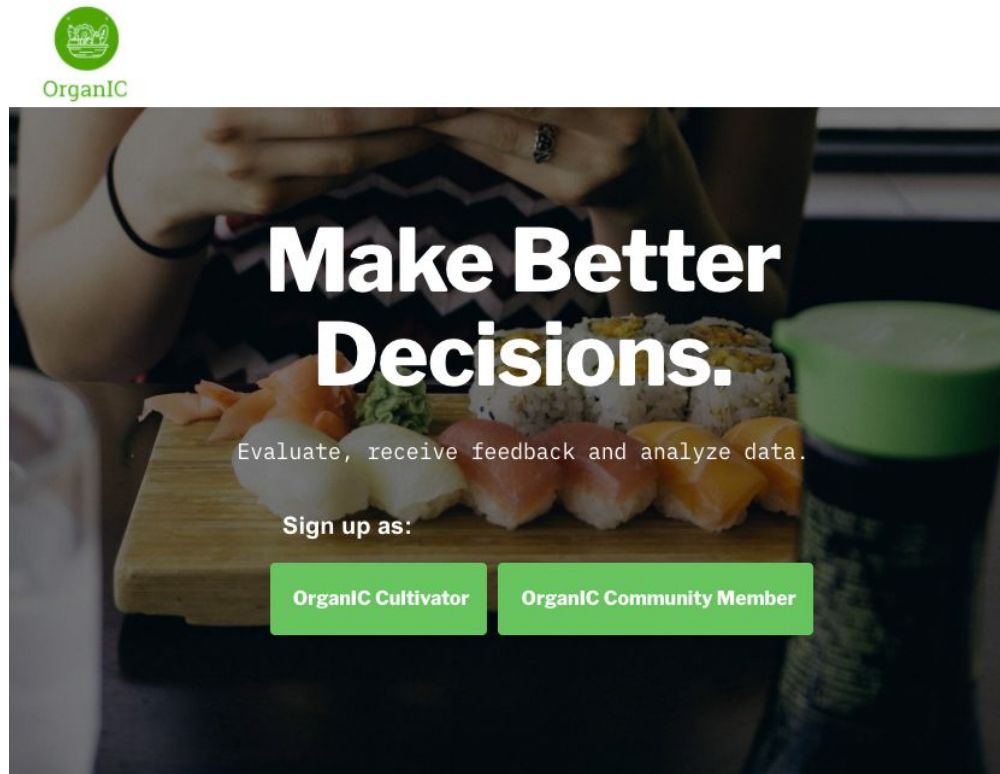


Capacity-building for long-term self-sufficiency using a commissioner-cultivator model

Prototypes

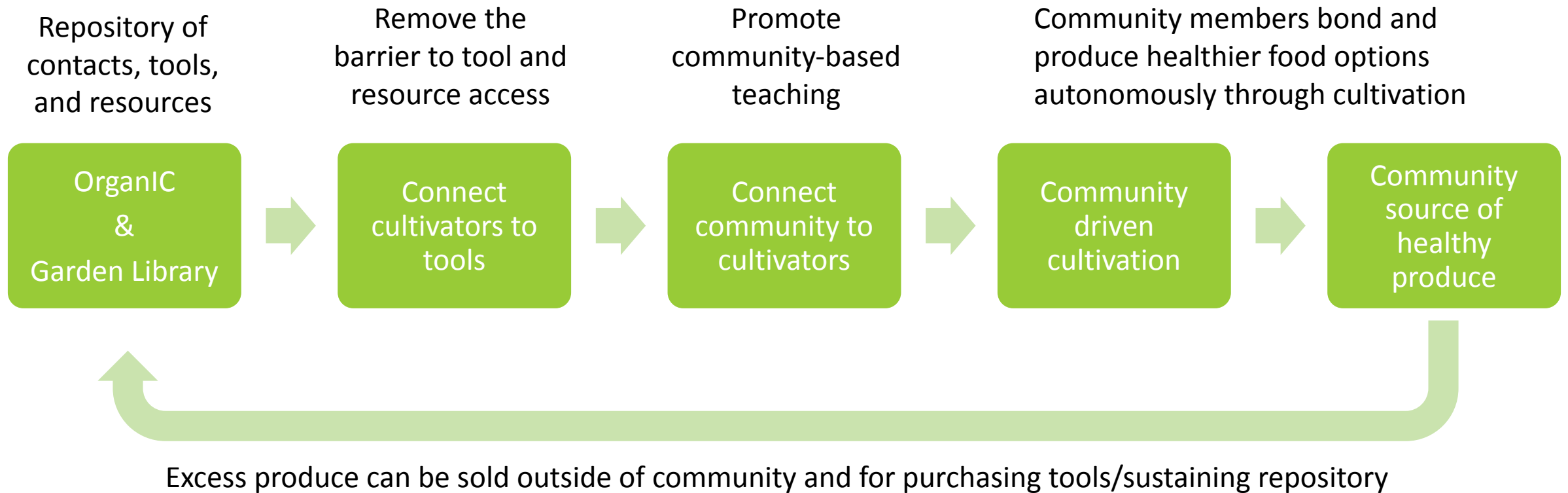


OrganIC



<https://organic-d685fa.webflow.io/>

OrganIC Model



Future direction



OrganIC

Maintenance

- Maintenance of OrganIC repositories and libraries

Extension

- Extension of growing months via the incorporation of greenhouses

Diversity

- Increasing diversity of food – including plants and meat

Integration

- Integration into local farmers markets

Expansion

- Expansion into surrounding communities

Citations



OrganIC

<https://www.almanac.com/content/raised-bed-vegetable-garden-layouts>

Malek Batal, Stéphane Decelles, "A Scoping Review of Obesity among Indigenous Peoples in Canada", Journal of Obesity, vol. 2019, Article ID 9741090, 20 pages, 2019.

<https://doi.org/10.1155/2019/9741090>

<https://www.createaction.org/blog/community-gardens-lead-to-improved-health/>

<https://www.globalcitizen.org/en/content/benin-food-security/>

<https://www.ifad.org/en/web/latest/story/asset/41103644>