



Transitioning Vulnerable Populations from Subsistence to Self-Reliance



The Future of Farming

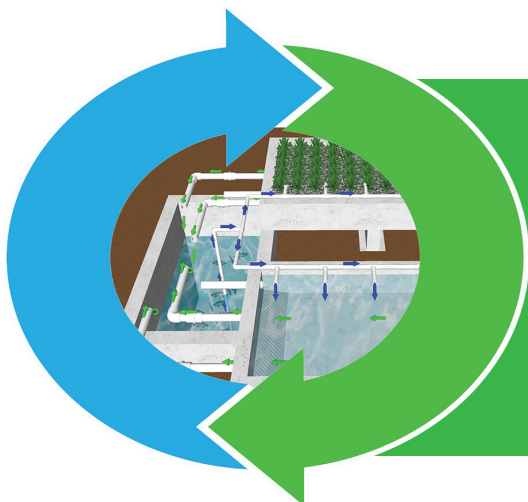
Sustainable food systems represent one of the greatest development challenges of the coming decade, especially in the age of climate change. INMED Partnerships for Children is a global leader in facilitating adaptive agriculture and aquaponics in developing regions to help vulnerable populations transition from subsistence to self-reliance.

Aquaponics is an intensive farming technique that combines fish farming with hydroponics in a closed symbiotic system that is resilient to destructive climate change events. INMED has developed a simple, scalable and low-cost system that can provide sustainable produce and fish for families, small-scale producers, communities, schools, businesses and government institutions in urban, suburban and rural locations.

Benefits of INMED Aquaponics include:

- ✓ Crop production 10+ times higher than traditionally cultivated plots of equivalent size
- ✓ 85-90% less water consumption
- ✓ No chemical fertilizers or pesticides
- ✓ Low energy consumption
- ✓ Year-round crop production
- ✓ Scalable to any space constraints in urban, suburban and rural environments, regardless of geographic conditions
- ✓ Significantly less labor than traditional farming and adaptable to special needs

INMED has more than 3 dozen active INMED Aquaponics® systems and 8 in the planning stages in 5 countries.



HOW IT WORKS

Nutrient-rich water from the fish tank is piped into and through the grow beds, fertilizing the crops without chemicals. The water is cleaned and oxygenated as it filters through the gravel before returning to the fish tank. Systems are constructed on the project site using local building materials to reduce costs. Rainwater harvesting and solar panels can be added for additional savings. [CLICK HERE](#) for a demo.



A Bold New Social Venture

Building on more than a decade of success integrating aquaponics in low-resourced schools and helping small-scale farmer dramatically increase their capacity and incomes with INMED Aquaponics® in parts of South Africa, INMED is revolutionizing farming nationwide with the INMED Aquaponics® Social Enterprise (INMED ASE).

A self-sustaining enterprise, the INMED ASE addresses food insecurity, climate-change, exclusion, unemployment and other intertwined causes of systemic poverty. Leveraging climate-smart aquaponics, the INMED ASE is transitioning vulnerable populations, including people with disabilities, women and youth, from subsistence to self-reliance.

The INMED ASE is a hub-and-spokes network of physical and virtual training sites with training and support by mentor farmers from existing INMED Aquaponics® systems in communities, schools and universities. The



hub serves as a production, consolidation and training Center of Excellence, which supports satellite facilities with web- and app-based real-time resources, links to markets and financing to incubate aquaponics enterprises across South Africa.

Produce and fish from the INMED ASE hub are sold to help fund training and other services for subsistence farmers and emerging entrepreneurs. The INMED ASE also offers consolidation services for farmers to sell their harvests at higher market rates than they would get on their own—as well as significantly discounted prices on inputs, such as seedlings, fish food and fingerlings.

Mondelēz International was the first to invest in the INMED ASE via its Sustainable Futures social impact investment platform. Learn more about how this venture can reap big returns for farmers, entrepreneurs and investors alike.

<https://inmed.org.za>





Food Security & Climate Adaptation

In partnership with the Government of Jamaica and multilateral institutions, INMED Caribbean has been implementing INMED Aquaponics® throughout the island nation since 2011 for vulnerable populations struggling with food security, unemployment and climate change.

In Jamaica, climate-related events are major threats to the agricultural sector, which represents about 7 percent of GDP and employs about 18 percent of the country's population. Small agricultural enterprises are among the most vulnerable, because they lack the technology, knowledge and financing to implement adaptive measures. The COVID-19 pandemic has only broadened the scope of food insecurity and unemployment.

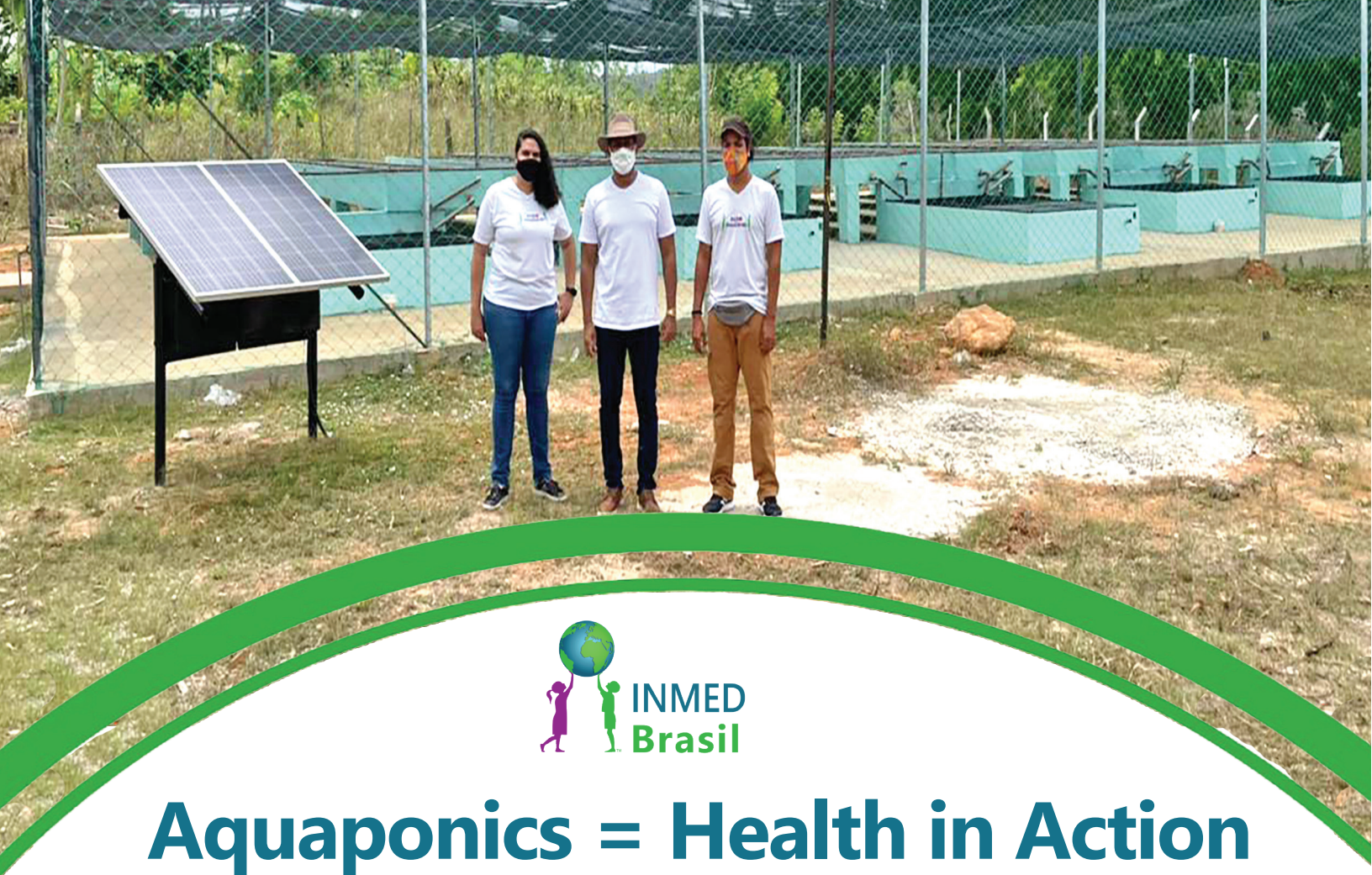
INMED's Increasing Access to Climate-Smart Agriculture (IACA) program provides small-scale producers, emerging entrepreneurs and backyard farmers free resources and training to pursue sustainable income-generation opportunities through aquaponics. IACA's 3-pillar model of technical training, access to

affordable financing and links to markets is enabling small producers and first-time entrepreneurs to achieve sustainable livelihoods and economic growth for their communities. With ongoing support from INMED-trained Rural Agriculture Development Agency extension agents throughout the island, IACA is strengthening Jamaica's economy, food security and public health.

To date, INMED has implemented more than a dozen systems for schools, a juvenile detention center, a residential facility for adults with disabilities, farm cooperatives and agricultural cooperatives devastated by severe climate events. The program also has trained hundreds of fledgling aquaponics farmers who are now moving toward the next steps for implementation.

IACA has served as the sustainable model INMED is now scaling as the INMED Aquaponics® Social Enterprise in South Africa.

Learn more about INMED Aquaponics® in Jamaica at <https://inmedcaribbean.org>.



Aquaponics = Health in Action

Public interest in aquaponics as a solution to addressing intertwined causes of poverty is heating up in Brazil, as INMED implement aquaponics in several regions of the country.

INMED Aquaponics® at SERTA: In 2020, INMED Brasil installed its first INMED Aquaponics® system in the country in Glória do Goitá, Pernambuco at SERTA, a technical school in specializing in sustainable development. An expansion of INMED's Health in Action program with the Mondelēz International Foundation, the system is serving as a training resource for the next generation of sustainable farmers as well as generating fresh produce and fish for Health in Action schools in communities hit hard by the COVID pandemic.

INMED Aquaponics® in the Amazon: Perhaps no region of the country has suffered the devastation of COVID-19 more than the Brazilian Amazon. Already reeling from deforestation, severe climate events and overfishing, the indigenous communities around Manaus are looking to INMED Aquaponics® to help them rebuild their local

economies, their public health and their prospects for future survival.

INMED launched the Amazon Aquaponics campaign in collaboration with the Sustainable Amazon Foundation to build an INMED Aquaponics® Center of Excellence to provide training and resources for strengthening food security, climate adaptation and sustainable incomes in indigenous communities of the Brazilian Amazon. Rotary International has taken up the cause and is spearheading a global fundraising campaign to scale this vital project throughout the Amazon Basin. [CLICK HERE](#) to learn more.

Growing Healthy in Petrolina: Phase II of this early childhood health and nutrition program will include INMED Aquaponics® in addition to traditional school and home gardens, nutrition education for children and resources for mothers, teachers, food preparers and local health professionals to encourage long-term, healthy lifestyles.

Follow our work at [@INMEDBrasil](#) on Facebook, [@inmed_brasil](#) on Instagram and on <https://inmed.org.br>.



Mitigating Climate Migration

Climate migration, now exacerbated by the rampant COVID pandemic, is increasing at an alarming rate in the Peruvian Amazon.

For generations, the Shipibo-Conibo tribe has lived off the fruits of the land and fish from the Amazon River in Yarinacocha in the Ucayali region of Peru. Over the past two decades, however, severe climate change, deforestation and overfishing have forced members of this tribe and other indigenous peoples of the region deep into poverty. Faced with food insecurity, diminished income opportunities in agriculture and severe climate events, many are migrating deeper into the rainforest and elsewhere to survive.

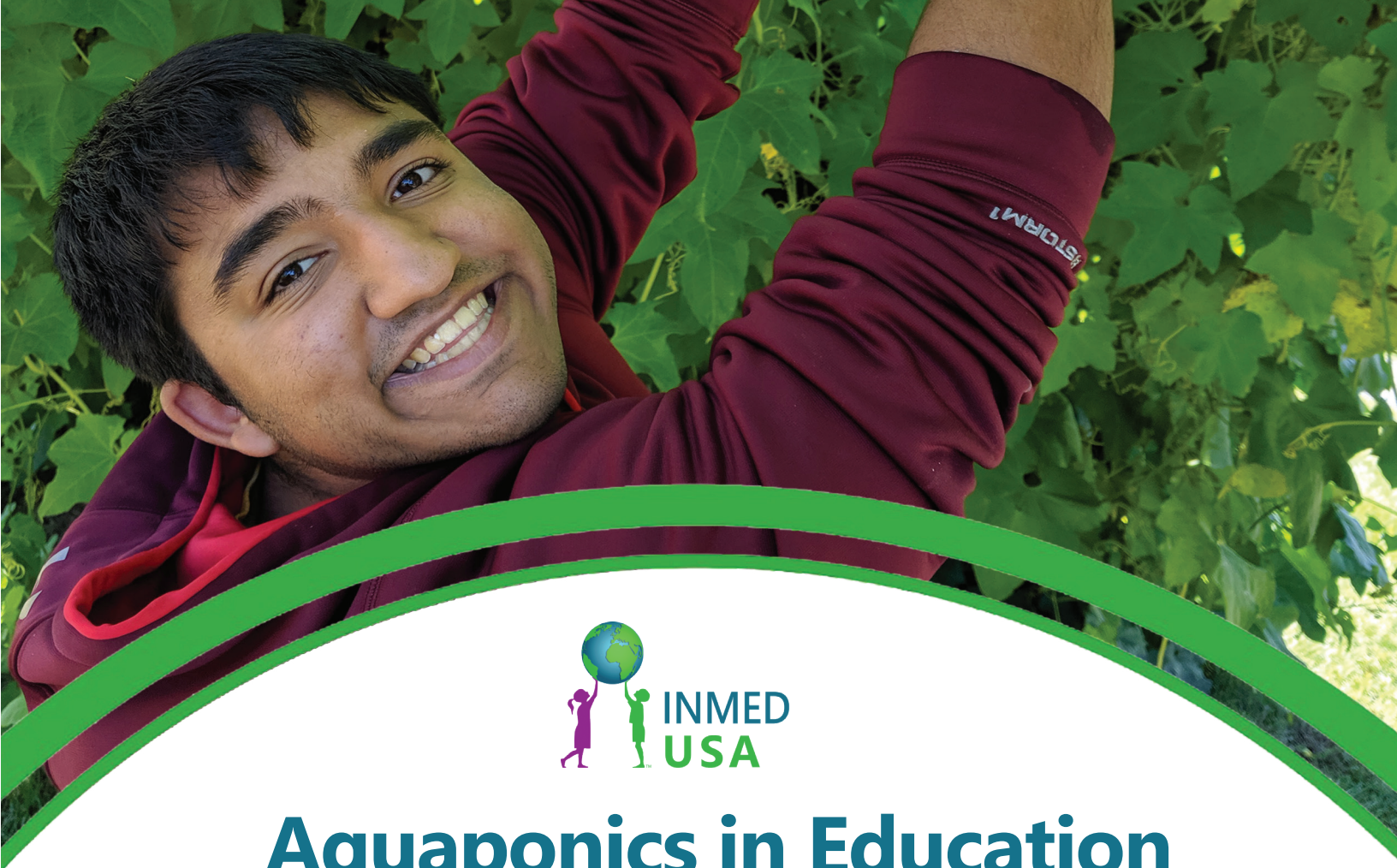
Partnering with a local indigenous teacher training institute, Instituto Superior Pedagógico Bilingüe de Yarinacocha, INMED Andes implemented a commercial-sized aquaponics system on campus to bolster agricultural productivity, climate resilience and economic empowerment for the surrounding indigenous community, as well as to provide better nutrition and food security for the children who attend the primary school on campus and their families.

In addition to increasing access to fresh produce and fish among the Shipibo-Conibo tribe, INMED has led comprehensive technical and operational trainings, workshops and skills development opportunities in aquaponics and climate-smart agriculture for local students, teachers-in-training, educators and community members.

The INMED Aquaponics® system also has become a vital resource for researchers from the Universidad Nacional Intercultural de la Amazonía and the Instituto de Investigación de la Amazonia Peruana for climate-smart agriculture research—as well as a tool for fostering environmental regeneration and protecting local biodiversity.

As the COVID pandemic subsides and INMED Aquaponics® scales throughout the Amazon, more indigenous peoples will have the tools and knowledge to thrive on their ancestral homelands for generations to come.

Learn more about INMED Andes' work in aquaponics at <https://inmedandes.org>.



Aquaponics in Education

INMED USA is introducing INMED Aquaponics® to the U.S. market with a variety of social enterprise projects.

Nexus School Loudoun: A private school for low-income and at-risk youth in grades 6-12 in Leesburg, VA, it will incorporate INMED Aquaponics® across the curriculum. INMED USA is working in partnership with Lumiar® to make transformational project-based learning accessible to children and youth for whom such opportunities are usually out of reach. In this accredited school, students will tackle climate change head-on and uncover solutions for addressing poverty, injustice and inequality while charting their own higher education or career path. [CLICK HERE](#) to learn more.

Nexus School Loudoun Primary: A private K-5 school in South Riding, VA, it is designed to inspire children to connect with nature, care for the environment and celebrate the diversity of our multicultural world. Nexus School Primary will harness the power of INMED Aquaponics® to give children a solid foundation in critical thinking, active citizenship, leadership, teamwork and problem-solving in an

eco-friendly environment essential for the development of healthy minds and bodies.

INMED/Prince William Food Rescue collaboration: PWFR collects and distributes unwanted or excess food directly to those experiencing food insecurity in Prince William County, VA. INMED and PWFR are partnering to build an INMED Aquaponics® system to provide chemical-free produce year-round. It will be staffed with workers from ServiceSource, which provides employment opportunities for adults with disabilities, who will also benefit from INMED's vocational and entrepreneurship training.

INMED/Madison House collaboration: INMED is partnering with the Madison House Autism Project to offer INMED Aquaponics® as a year-round vocational training tool and source of employment for adults with disabilities and veterans with PTSD in Dickerson, MD.

Follow us on [@INMEDUSA](#) on Facebook, [@inmed_usa](#) on Instagram and at <https://inmedusa.org>.



INMED Aquaponics® in the News

[INMED Caribbean empowering women through agriculture](#)

[INMED Offers Free Training in Aquaponics Farming](#)

[Randvaal Aquaponics Gets a Facelift](#)

[A Sustainable Solution to SA's Food Crisis?](#)

[Aquaponics Educates, Feeds And Empowers These South African Kids!](#)

[Advancing aquaponics: considerations on purpose, opportunities and constraints](#)

[Randvaal aquaponics gets a facelift](#)

[Entities implement aquaponics system at a school in Pernambuco](#)

[Loudoun-based Nonprofit Pioneers Sustainable Path Toward Food Security](#)

[Hydroponics and Fish Farming Set to Give Farmers a Boost](#)

[SA's first aquaponics social enterprise to promote climate-smart food production](#)

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[Aquaponics Social Enterprise launched as critical need for food production grows](#)

[INMED launches first aquaponics social enterprise](#)

[INMED Launches First Aquaponics Social Enterprise](#)

[Mondelēz International launches platform addressing global issues](#)

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[Mondelēz to back climate change solutions with new impact investing platform](#)

[Earth Today | Climate-Smart Aquaponics Farming Appeals to Local Teacher](#)

[Township schools explore wonder of aquaponics](#)

[Farming communities get a helping hand through COVID](#)

[Herbal Bounty for Impoverished Communities](#)

[Youth Harness the Power of climate smart agriculture with aquaponics](#)

[Making Hope Bloom in the Desert](#)



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INMED Partnerships for Children has been rated a Four Star Charity by Charity Navigator for 8 consecutive years—a rare distinction. Our funders and partners can trust that INMED follows best practices and the highest standard of accountability, that we're transparent with our financial disclosures and that all our programs truly serve individuals in need. Read our profile at <https://charitynavigator.org>.

Support our work!



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