

# EMERGENCY AGRICULTURE TO MITIGATE THE IMPACT AND SOCIAL DISTANCE CAUSED BY COVID-19 IN ...



## ABSTRACT

In many parts of Africa, most families live on incomes paid per working day: lockdowns and containment measures linked to COVID-19 configure a very high risk profile in terms of food security and social peace.

To face said risk, Think Global and Cooperativa Il Cedro, have developed a replicable model of early and recommended actions of agriculture livelihood production, made in short supply chain and with sustainable good practices, to safeguard food security and income of family farmers and vulnerable local population.

## PROMOTING PARTNERS

**THINK GLOBAL** works in emerging markets across the world, bridging the gap between the worlds of business and international cooperation by combining the first's dedication to achievement with the global outlook of the second.

We believe in business with a social impact and find solutions to real problems through good project management.

**Il Cedro cooperativa sociale a.r.l.** is a social and a non-profit cooperative, funded in 1994 and based in Vimercate - Monza and Brianza . Italy, that pursuits the community's general interest in human promotion and social integration of citizens through the creation and development of social projects in national and international contexts. In 26 years the cooperative has managed and finalized 136 occupational integrations of disadvantaged people.

Through his senior expert agronomist the cooperative collaborates with NGOs and non-profit foundations for agricultural development projects in Africa by the improvement of agronomic techniques and food security.

## WHERE

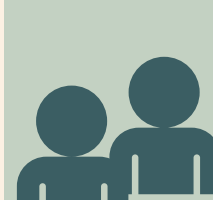


Proposed project can be developed in any African country / site. Being it in an urban or rural area, tropical, sub-tropical or dry area. To be properly developed, it just needs a min. 500 sqm agricultural plot, equipped with good and fertile soil and access to water for irrigation.

## NEEDS

- Min. 500 sqm land
- Fertile soil
- Access to water for irrigation

## WHAT



The project, to be properly run, requires **dedicated technical staff**.

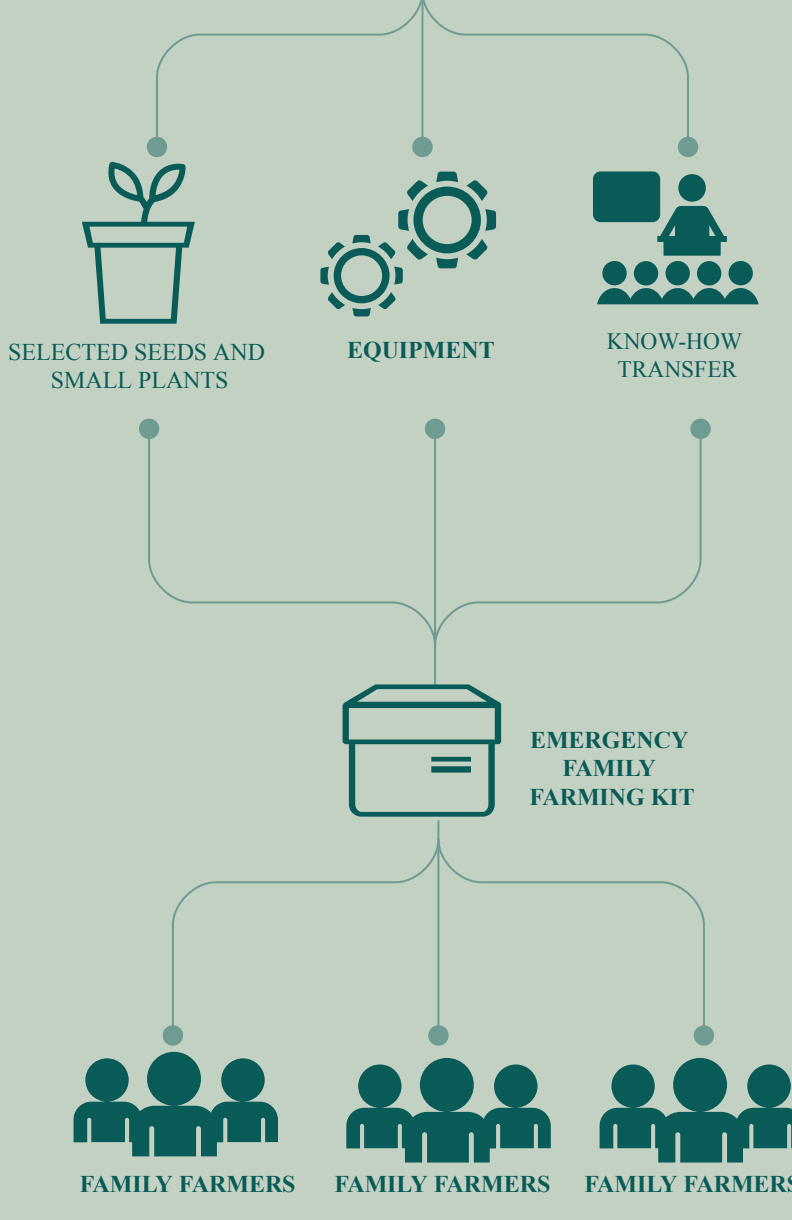
The technical staff includes two trainer agronomists experienced in horticulture and rational irrigation, two logistics managers, one administrative, two drivers and supporting international staff.

The project core is a **min.500 sqm plant nursery with shading covers** to produce small plants to be distributed among most exposed local communities. **The plant nursery will be working on a 2-months cycle process and will be producing up to 15.000 small plants / cycle.**



## HOW

### EMERGENCY AGRICULTURE PROJECT



The Project will provide identified family farmers with an **Emergency Family Farming Kit**, containing: selected seeds and small plants of **fast-growing vegetables and legumes** with a **high nutrient and protein content**, **equipment** and **easy-to-use learning materials** providing training on **appropriate crop harvest and post-harvest practices** to extend the food value chain.



**Keyhole, an innovative circular system for mulching and production.** Kolwezi, DRC.



**Maisha Cooperative members.** Chakuishi project, Maisha Farm, Kolwezi, DRC.



**Community Plant Nursery.** Chakuishi project, Maisha Farm, Kolwezi, DRC.



The project will produce and distribute equipment dedicated to emergency family agriculture capable of supporting agricultural activity even during the next dry season.

The agricultural techniques and procedures specifically developed for emergency family farming will be widely transmitted to the beneficiaries through the use of innovative technologies (tutorial, webinar). Proposed project also aims to support beneficiaries' capacity building through use of local resources, fostering family farmers' income and resilience in a long-term perspective.



**Know-how transfer.** Chakuishi project, Maisha Farm, Kolwezi, DRC.



All the equipment supplied will be obtained from recycled material. The shared techniques are based on a logic of sustainability and environmental respect. The project foresees use of recycled half-liter plastic bottles to produce domestic irrigation dripping systems.

Production of **Emergency Family farmers kit** to be distributed among target communities. Individual micro-garden, fast production of fresh herbs, legumes and tubers and seeds reproduction / plant cuttings for the next agricultural seasons.



**EMERGENCY FAMILY FARMING KIT**

## WHEN

### NOW!

**1** In Africa, most families live on incomes paid per working day: lockdowns and containment measures linked to COVID-19 configure a very high risk profile in terms of food security and social peace.

**2** The dry season is upon us and the weakest sections of the population ability to produce food for self-sufficiency is, now more than ever, at risk.

## WHO



Your Organization

**Project's owner.** Leadership and identification of beneficiaries.

**Supporting partner.** Technical support.



Your Organization

**Implementing partner.** Deployment, outreach, follow-up, statistics and reporting.

## SMALL PLANTS PRODUCTIVITY / 500 sqm / CYCLE

**15,000** EACH PRODUCTION CYCLE LASTING 2 MONTHS



## HOUSEHOLDS REACHED PER CYCLE

**500** EACH FAMILY FARMER WILL RECEIVE 30 SMALL ROOTED PLANTS, SEEDS, TOOLS AND BASIC AGRICULTURAL INPUTS



**\$ 30.00** BUDGET / KIT + FIXED COSTS

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## BUDGET

### FIXED COSTS FOR PLANT NURSERY START-UP

**\$10,000**

FIXED COSTS BREAKDOWN

▼28% IRRIGATION SYSTEM

▼38% PLANT NURSERY

▼34% TOOLS & SERVICES

### PLANT NURSERY YEARLY RUNNING COSTS

**\$10,000**

RUNNING COSTS BREAKDOWN

▼50% STAFF

▼30% INPUTS

▼20% MAINTENANCE & LOGISTICS