# INNOVATION
# FOR DEVELOPMENT
## 2016-2023

# INNOVAZIONE PER LO SVILUPPO

Since 2016 Innovazione per lo Sviluppo has invested over **6 million euros** in a variety of projects, reaching **40,000 direct beneficiaries and 600,000 indirect beneficiaries** including local communities, Civil Society Organizations and innovators.

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## CHALLENGES

In the 2020-2022 timeframe, Innovazione per lo Sviluppo (Innovation for Development) deployed two main tools to advance 44 different projects: Coopen, a participatory process for dealing with various challenges, identifying and developing innovative solutions targeted to African regions; and Call Technologies for Sustainable Development, aimed at providing current, inclusive, and sustainable solutions whose core features could be strengthened and/or replicated in other contexts or countries.

In 2023, the Call SPRINT was introduced to support medium-long term consolidation plans of verified solutions in order to reinforce, scale and replicate such innovations, also with inputs from other Civil Society Organizations.

## CAPACITY BUILDING

Since 2018, Innovazione per lo Sviluppo has produced 24 training courses, organized by 17 technical partners, reaching a total of over 1,000 people working in the field of international development and cooperation.

These training sessions focused on developing specific skills in such areas as data for development, monitoring and evaluation practices, civic technologies, theory of change, mapping, digital manufacturing, project management, process innovation, impact investing, and leadership.

Innovazione per lo Sviluppo has also supported the first level of Master's Degree in ICT for Development and Social Good at the University of Turin since its first edition, offering up to 14 scholarships.

## NETWORKING

Innovazione per lo Sviluppo has always been focused on networking and exchange of good practices, promoting a series of in-person and online events and meetings. Three editions of the Innovation Open Days were organized (in 2017 in Milan, in 2019 in Turin, and again in 2023 in Milan), attracting over 1500 international professionals involved in development cooperation activities.

In 2021, the Innovation Open Talks were introduced, a new format of participatory webinars devoted to artificial intelligence, data for development, low-tech solutions, and the new frontiers of Web3 within the international development and cooperation sector.

# FOOD AND SUSTAINABLE AGRICULTURE

# AGRI.SEN

A project by ARCS Culture Solidali, in partnership with Glocal Impact Network, to develop a hydroponic cultivation system for small-scale agriculture in the municipality of Boulal, Senegal. This is a solution with an economically-sustainable and a low-tech outcome, enabling us to leverage on profitability conditions of communities involved, to Wachieve food self-sufficiency and to promote sustainable agri-food production directly managed by women and families.

# AGRI.SEN

**ORGANIZATION**
ARCS Culture Solidali

**PARTNER**
Glocal Impact Network

**SUPPORTED BY**
Technologies for
Sustainable Development
- Call 2020

**TECHNOLOGY**
Hydroponic agriculture,
Frugal innovation,
Agricultural biodiversity

**TARGET COUNTRY**
Senegal

**LEARN MORE**
Info in Italian

# Agriculture 2.0 – Hi-tech agricultural development

This project by Fondazione CESVI promotes the adoption of a digital platform that, leveraging satellite data, serves as a connection point between farmers and local authorities in Zimbabwe. Developed by iFARM, the platform collects data on weather forecasts, predictions of pest infestations, training courses on products, agronomic calendars, and market information.

## AGRICULTURE 2.0 – HI-TECH AGRICULTURAL DEVELOPMENT

**ORGANIZATION**
Fondazione CESVI

**PARTNER**
iFARM

**SUPPORTED BY**
Technologies for
Sustainable Development
– Call 2020

**TECHNOLOGY**
Precision agriculture,
Digitization of
agricultural monitoring,
Data platform,
Networking platform

**TARGET COUNTRY**
Zimbabwe

**LEARN MORE**
Info in Italian

# Agriculture for Alito

A capacity-building project, initiated by Cooperazione e Sviluppo Ong, in partnership with Lentera Africa, to support the Alito Training Centre, a training center for agri-business in Uganda. Users of the FarmKonnect mobile app will be able to monitor soil conditions, receive updates from farm coops, access specialized training content and obtain specific information on local markets or remote supportfrom agronomists.

# AGRICULTURE FOR ALITO

**ORGANIZATION**
Cooperazione e Sviluppo

**PARTNER**
Lentera Africa

**SUPPORTED BY**
Coopen - Food and
Sustainable Agriculture

**TECHNOLOGY**
Precision agriculture,
Digitization of
agricultural monitoring

**TARGET COUNTRY**
Uganda

**LEARN MORE**
Info in Italian

# Agribusiness for sustainable development

ENGIM promoted the adoption of a zero-impact mobile factory in the municipality of Ronkh in Senegal for processing, drying and vacuum-packaging of fruit and vegetables. This project is based on a semi-mechanised, flexible and eco-friendly system, tested for mango production by Mobique and then adapted to local products. It is mostly aimed at reducing waste, promoting an entrepreneurial approach, and lowering unemployment rate among women and youth.

## AGRIBUSINESS FOR SUSTAINABLE DEVELOPMENT

**ORGANIZATION**
ENGIM

**PARTNER**
Mobique

**SUPPORTED BY**
Coopen - Food and
Sustainable Agriculture

**TECHNOLOGY**
Drying process

**TARGET COUNTRY**
Senegal

**LEARN MORE**
Info in Italian

# CLIMA – CLimate Improved Model for Agriculture

The Zambezia province in Mozambique is particularly vulnerable to extreme climate shocks. The Coordinamento delle Organizzazioni per il Servizio Volontario (COSV) has developed a database of meteorological data by strengthening some meteo stations already running in the area and consolidating the dissemination network activated in case of hazardous climatic events. Furthermore, this project aims at fostering the exchange activities among universities, government bodies and civil society.

## CLIMA – CLIMATE IMPROVED MODEL FOR AGRICULTURE

| ORGANIZATION | PARTNER |
|---|---|
| COSV | Dipartimento di Biologia Ambientale - La Sapienza |

| SUPPORTED BY | TECHNOLOGY |
|---|---|
| Technologies for Sustainable Development - Call 2020 | Precision agriculture, Data platform |

**TARGET COUNTRY**
Mozambique

**LEARN MORE**
Info in Italian

**FOOD AND SUSTAINABLE AGRICULTURE**

# DIGIT-ALF

The Comunità Impegno Servizio Volontariato (CISV) promoted the adoption of a digital platform to improve food security of agro-pastoral communities in the Ferlo region (Senegal). Hatsi Jari is a multilingual platform designed by the Senegalese IT consultancy center ProSe and intended to facilitate proper inventory management of feed suppliers and information exchange with farmers.

# DIGIT-ALF

## ORGANIZATION
CISV

## PARTNER
ProSE,Reseau Billittal
Maroobe

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2020

## TECHNOLOGY
Precision agriculture,
Networking platform,
Digitalization of
warehouse management

## TARGET COUNTRY
Senegal

## LEARN MORE
Info in Italian

# G.I.A.P.A. – Innovative Water Management

G.I.A.P.A. (Gestione Innovativa dell'Acqua e Promozione dell'Agricoltura ecologica a Orkadiéré, Senegal) is a RE.TE. Ong project aimed at improving the horticultural sector management of SIPA d'Orkadiéré farming company, which handles 31 hectares of arable land in Senegal's Matam region. This project takes advantage of a decision support system suited to accurately estimate crop water needs.

## G.I.A.P.A. – INNOVATIVE WATER MANAGEMENT

**ORGANIZATION**
RE.TE. ONG

**PARTNER**
Green Cross Italia,Terra Nuova Onlus

**SUPPORTED BY**
Technologies for Sustainable Development - Call 2021

**TECHNOLOGY**
Precision agriculture

**TARGET COUNTRY**
Senegal

**LEARN MORE**
Info in Italian

# Solar incubator and photovoltaic lamps

An OAF-I project, in partnership with Sermig, designed to introduce two sustainable technologies in Burkina Faso and in Tanzania: solar incubators for egg artificial hatching and photovoltaic condenser lamps for night lighting. Such frugal innovation solutions can be managed and replicated in a single-handed manner, thus providing an actual opportunity to improve the living conditions of local communities.

# SOLAR INCUBATOR AND PHOTOVOLTAIC LAMPS

**ORGANIZATION**
OAF-I

**PARTNER**
Sermig Re.Te. per lo Sviluppo

**SUPPORTED BY**
Technologies for Sustainable Development – Call 2021

**TECHNOLOGY**
Frugal Innovation

**TARGET COUNTRIES**
Burkina Faso,Tanzania

**LEARN MORE**
Info in Italian

# Monitoring of Milk & Honey supply chains

The Movimento Africa '70 project, in partnership with TriM Srl, promoted the adoption of a digital platform for data collection and management at local level pertaining to milk and honey supply chains in Niger's Tillaberi region. The platform includes a sustainability indicator calculation and distributes a monthly bulletin detailing supply chains' productivity and performance, in order to simplify the overall management of such production systems.

# MONITORING OF MILK & HONEY SUPPLY CHAINS

| **ORGANIZATION** | **PARTNER** |
|---|---|
| Movimento Africa '70 | TriM Srl |

| **SUPPORTED BY** | **TECHNOLOGY** |
|---|---|
| Technologies for Sustainable Development – Call 2020 | Data platform, Digitalization of agricultural monitoring |

**TARGET COUNTRY**
Niger

**LEARN MORE**
Info in Italian

# Informed decision making

The ActionAid Italia project, in partnership with TriM Srl, features Sistema 3Map, a mobile app for data collection aimed at supporting a proper decision-making process for livestock care and breeding in Kenya's Isiolo county. This project facilitates short and medium term forecasts and enables the digitalisation of Pastoral Ecosystem Analysis (PESA), thus improving the decision-making process about herd management.

# INFORMED DECISION MAKING

| | |
|---|---|
| **ORGANIZATION** | **PARTNER** |
| ActionAid Italia | TriM Srl |

| | |
|---|---|
| **SUPPORTED BY** | **TECHNOLOGY** |
| Coopen - Food and Sustainable Agriculture | Data platform, E-learning |

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# Agricultural productivity in Meru County

The CEFA project, in partnership with COL'OR NGO and Lentera Africa, has strengthened the skills of small farmers producing coffee, fruit and legumes in Kenya's Meru County. The use of a digital platform capable of integrating agronomy practices with satellite and aerial data has resulted in a more effective restructuring of supply chains providing access to inputs, harvesting and storage. This project improved the overall productivity, generating more sustainable and profitable models.

## AGRICULTURAL PRODUCTIVITY IN MERU COUNTY

**ORGANIZATION**
CEFA

**PARTNER**
COL'OR NGO,
Lentera Africa

**SUPPORTED BY**
Coopen - Food and
Sustainable Agriculture

**TECHNOLOGY**
Precision agriculture,
Data platform

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# Smart greenhouses in Laikipia County

The smart greenhouse project implemented by Centro Laici Italiani per le Missioni (CeLIM) optimizes the use of water and fertilizers in Laikipia (Northern Kenya), a semi-arid area going through the severe effects of our climate crisis. The FarmShield technological solution, developed by Synnefa Green Ltd, enables the diversification of agricultural production, thus reducing costs and strengthening the social empowerment of women in Maasai agro-pastoral groups.

# SMART GREENHOUSES IN LAIKIPIA COUNTY

**ORGANIZATION**
CeLIM

**PARTNER**
Synnéfa

**SUPPORTED BY**
Coopen - Food and
Sustainable Agriculture

**TECHNOLOGY**
Precision agriculture

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# Smart Demo Farm Tanzania

The project promoted by Fondazione Giuseppe Tovini Cooperazione e Volontariato, in partnership with Ruaha Catholic University, led to the flourishing of Demonstration Farms, farms devoted to training and dissemination of agricultural technologies. Along with courses specifically aimed at supporting small and medium-sized farmers, such activities advanced the adoption of new precision farming techniques in Tanzania's Iringa Region.

# SMART DEMO FARM TANZANIA

**ORGANIZATION**
Fondazione G. Tovini
Cooperazione e
Volontariato

**PARTNER**
Ruaha Catholic
University

**SUPPORTED BY**
Technologies for
Sustainable Development
– Call 2021

**TECHNOLOGY**
Precision agriculture,
E-learning

**TARGET COUNTRY**
Tanzania

**LEARN MORE**
Info in Italian

# Solutions for livestock tracking

In partnership with GenePlus Breeders Kenya, Mani Tese has tested a solar ear tag system aimed at collecting data for monitoring pig health and well-being at the Elburgon production center (Nakuru County, Kenya), this enabling traceability and reducing risks of epidemics. These special tags simplify the general farm management, providing greater income opportunities for small farmers and promoting healthy, sustainable, and traceable food production.

# SOLUTIONS FOR LIVESTOCK TRACKING

## ORGANIZATION
Mani Tese

## PARTNER
GenePlus Breeders Kenya

## SUPPORTED BY
Coopen - Food and
Sustainable Agriculture

## TECHNOLOGY
Blockchain, Data
platform,Sensors,
Digitization of
agricultural monitoring

## TARGET COUNTRY
Kenya



## LEARN MORE
Info in Italian

# Innovative technology for sustainable agriculture

Burkina Faso (Loumbilia) is facing an
on-going crisis in its agricultural production.
The negative effects of climate change require
 a new management of farming resources.
The WiForAgri mobile app enables monitoring
and advanced management of agricultural
crops thanks to an agrometeorological detection
station capable of measuring environmental
and soil parameters in real time.
This technology is helpful in preserving
the production ecosystem and in improving
 the community living conditions.

## INNOVATIVE TECHNOLOGY FOR SUSTAINABLE AGRICULTURE

### ORGANIZATION
Fondazione ACRA

### PARTNER
WiForAgri

### SUPPORTED BY
Coopen - Food and
Sustainable Agriculture

### TECHNOLOGY
Data platform,
Digitization of
agricultural
monitoring,Precision
agriculture

### TARGET COUNTRY
Burkina Faso

### LEARN MORE
Info in Italian

# Traceability in Ethiopian agricultural supply chains

The LVIA project takes advantage of blockchain technology to keep track of agricultural products such as carrots, green beans, and green peppers. Agricultural products are labeled with geo-referencing at the washing, hulling and packaging stations. The additional Trusty mobile app, developed by APIO, promoted greater transparency in the agrifood sector through a democratic and open source approach to ensure food safety.

## TRACEABILITY IN ETHIOPIAN AGRICULTURAL SUPPLY CHAINS

**ORGANIZATION**
LVIA

**PARTNER**
APIO

**SUPPORTED BY**
Coopen - Food and
Sustainable Agriculture

**TECHNOLOGY**
Blockchain

**TARGET COUNTRY**
Ethiopia

**LEARN MORE**
Info in Italian

# Valiration of local seeds

A partnership involving the Fondazione Slow Food per la Biodiversità and the University of Pavia has produced a project dedicated to seed care and conservation techniques in Nakuru (Kenya). Its main goal is to help in facing the challenge of crop biodiversity and to guarantee food security to local communities. These activities are centered around the agroecology, an ethical and innovative approach integrates scientific knowledge with the traditional wisdom of the indigenous Maasai and Ogiek communities.

# VALIRATION OF LOCAL SEEDSS

## ORGANIZATION
Fondazione Slow Food
per la Biodiversità

## PARTNER
Università degli Studi
di Pavia

## SUPPORTED BY
Coopen - Food and
Sustainable Agriculture

## TECHNOLOGY
Agricultural
biodiversity,E-learning,
Seed conservation and
germination techniques

## TARGET COUNTRY
Kenya

## LEARN MORE
Info in Italian

# CIRCULAR ECONOMY

# Tournesol Centre

Developed by Movimento Sviluppo e Pace with local and Italian partners, this project introduced a new production chain based on sunflowers in Burkina Faso. A particular processing plant enables the transformation of sunflower seeds into oil and protein panels. Furthermore, the construction of refrigerated containers and a well tank has spurred a cold chain system for product storage.

# TOURNESOL CENTRE

## ORGANIZATION

Movimento Sviluppo e
Pace

## PARTNER

Dounia - Cultura e
Fraternità,Associazione
Mattone su Mattone,
Frères de la Sainte
Famille de Belley,Poko
Energy Seeds,Fondation
Graines de Sésame

## SUPPORTED BY

Technologies for
Sustainable Development
- Call 2020

## TECHNOLOGY

Green building,
Agriculturalbiodiversity,
Controlled-temperature
conservation systems

## TARGET COUNTRY

Burkina Faso

## LEARN MORE

Info in Italian

# Plastic collection and recycling in Mathare

The LiveinSlums project focuses on waste management in Mathare, a slum in Nairobi (Kenya), in order to improve sanitary and living conditions of local communities.
An ad-hoc digital platform developed by ValueBin supports ecological operators throughout their waste collection activities.
All waste items are gathered in a hub within the slum, then sorted out. If recyclable, they are packaged, sold, and transported to the Havillah Disposal Center in Nairobi.

## PLASTIC COLLECTION AND RECYCLING IN MATHARE

**ORGANIZATION**
LiveinSlums

**PARTNER**
ValueBin

**SUPPORTED BY**
Coopen - Circular
Economy

**TECHNOLOGY**
Digitalization of waste
management

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# Circular Senegal

Managed by Associazione Internazionale Volontari Laici (LVIA), this project customizes the mobile app developed by startup Mercato Circolare to the Dakar and Thiès areas in Senegal. The result is SenegApp Circulaire, a digital platform designed to map and enhance visibility to good practices within the local circular economy, thus promoting networking activities between various entities.
The project involves approximately two hundred local organizations, including businesses and associations.

# CIRCULAR SENEGAL

## ORGANIZATION
LVIA

## PARTNER
Mercato Circolare

## SUPPORTED BY
Coopen - Circular
Economy

## TECHNOLOGY
Data platform,
Digitalization of waste
management, Networking
platform

## TARGET COUNTRY
Senegal

## LEARN MORE
Info in Italian

# Hydroponic technology in Ouagadougou

Developed by Fondazione ACRA, this hydroponic agricultural system plans to optimize water usage, reduce land depletion and encourage crop diversification by making a variety of horticultural products available all year round. This project is also focused on enhancing the role of women in local economic development and their active participation, particularly in Toessin, in the Yatenga province, in order to access new employment opportunities.

# HYDROPONIC TECHNOLOGY IN OUAGADOUGOU

**ORGANIZATION**
Fondazione ACRA

**PARTNER**
Easytech Farm Solutions

**SUPPORTED BY**
Coopen - Circular Economy

**TECHNOLOGY**
Hydroponic agriculture

**TARGET COUNTRY**
Burkina Faso

**LEARN MORE**
Info in Italian

CIRCULAR ECONOMY

# Toolkit for People

Designed by EStà (Economia e Sostenibilità)
in partnership with Fondazione ACRA,
this civic technology toolkit aims to improving
the socio-economic-environmental impact
of waste management in Senegal. Tested
in the Elinkine village, the toolkit provides
several tools to map local resources, calculate
the impact of separate waste collection
and to facilitate a wide outcome sharing.

# TOOLKIT FOR PEOPLE

| **ORGANIZATION** | **PARTNER** |
|---|---|
| EStà - Economia e Sostenibilità | Fondazione ACRA |

| **SUPPORTED BY** | **TECHNOLOGY** |
|---|---|
| Technologies for Sustainable Development - Call 2021 | Digitalization of waste management |

**TARGET COUNTRY**
Senegal

**LEARN MORE**
Info in Italian

# Waste To Value

This Fondazione AVSI project concerns the distribution of organic fertilizers among farmers in urban and peri-urban areas of Kampala, Uganda. Such program is based on a circular economy process designed by Marula Proteen Ltd centered on the larvae of the black soldier fly: feeding on organic waste, the larvae convert it into edible proteins to be used in animal feed and organic fertiliser.

## WASTE TO VALUE

**ORGANIZATION**
Fondazione AVSI

**PARTNER**
Marula Proteen

**SUPPORTED BY**
Coopen - Circular
Economy

**TECHNOLOGY**
Bioconversion

**TARGET COUNTRY**
Uganda

# EDUCATION AND CAPACITY BUILDING

# ES.MAROC

This project plans to replicate in Burkina Faso and Ivory Coast the experience of ES.MAROC, an e-learning school active since 2018 in Morocco and specifically focused on local entities. By combining a video conferencing platform, project management applications, and online data management, this program can overcome geographical boundaries and make training content usually quite expensive and complex easily accessible to local actors.

# ES.MAROC

## ORGANIZATION
Soleterre

## PARTNER
ADMICHE
Maroc,Associazione
ES.Maroc.org

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2021

## TECHNOLOGY
E-learning

## TARGET COUNTRIES
Burkina Faso,
Côte d'Ivoire,Morocco

## LEARN MORE
Info in Italian

# ENERGY

# TERESA - TEchnology for Rural Electrification

Developed by ICEI, in partnership with Milan's Politecnico, this project offers two open source tools, equipped with a graphical interface, focused on planning proper energy access in Mozambique rural areas. The VANIA tool provides in-depth analysis on remote villages, facilitating all decision-making processes. A second tool (GISEle) facilitates electrification planning, by identifying the most economical solution to guarantee access to energy sources.

# TERESA - TECHNOLOGY FOR RURAL ELECTRIFICATION

## ORGANIZATION
ICEI

## PARTNER
Politecnico di Milano

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2021

## TECHNOLOGY
Digitalization of
energy systems

## TARGET COUNTRIES
Mozambique

## LEARN MORE
Info in Italian

# HEALTH AND WELL-BEING

# BISIL - Better Innovative Solutions

Better Innovative Solutions and Informatic Leadership (BISIL) by COL'OR NGO is a digital platform, developed by AfyaRekod, for the management of healthcare patients in remote and rural areas of Kenya. While also providing aggregated data on local districts, this initiative plans to improve the digitalization of healthcare services, enhance communication between patients and medical staff, and actively involve patients in their own medical care.

# BISIL - BETTER INNOVATIVE SOLUTIONS

**ORGANIZATION**
COL'OR NGO

**PARTNER**
AfyaRekod

**SUPPORTED BY**
Coopen - Health
and Well-being

**TECHNOLOGY**
Hospital data,
Data platform

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# E-learning for the St. Mary's Hospital

This project by Fondazione Piero e Lucille Corti promotes the adoption of an e-learning mobile app, designed and developed by Tech Care For All, for healthcare staff at St. Mary Lacor Hospital (LH). This app provides advanced and qualified training courses on specialized topics such as neonatal mortality, infection prevention, kidney failure, Ebola, and tuberculosis. Such courses can be taken either online or offline.

# E-LEARNING FOR THE ST. MARY'S HOSPITAL

## ORGANIZATION
Fondazione Piero e Lucille Corti

## PARTNER
Tech Care For All, St. Mary's Hospital Lacor

## SUPPORTED BY
Coopen – Health and Well-being

## TECHNOLOGY
E-learning

## TARGET COUNTRY
Uganda



## LEARN MORE
Info in Italian

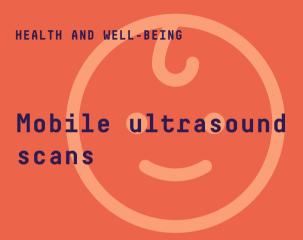# Mobile ultrasound scans

World Friends, in partnership with
Health-E-Net, has launched SonoMobile,
a mobile system including a portable ultrasound
machine and a dedicated app. The project main
goal is to bring prenatal and perinatal care
to rural communities in Kenya, in particular
in Kajiado County and urban slums.
The mobile clinic team was recruited and
trained at the Ruaraka Uhai Neema Hospital.

# MOBILE ULTRASOUND SCANS

**ORGANIZATION**
World Friends

**PARTNER**
Health-E-Net

**SUPPORTED BY**
Technologies for
Sustainable Development
– Call 2020

**TECHNOLOGY**
Screening app,
Hospital data,
Data platform

**TARGET COUNTRY**
Kenya

**LEARN MORE**
Info in Italian

# Flowered Defluoridator Device

Developed by Istituto Oikos in partnership with Nelson Mandela African Institution of Science and Technology (NM-AIST), this project promotes innovative low-cost defluoridation technologies for drinking water purification in Tanzania. In order to improve the quality of water for human consumption, this technology deploys the Flowered Defluoridator Device, a system designed to reduce the concentration of fluoride using octacalcium phosphate.

# FLOWERED DEFLUORIDATOR DEVICE

**ORGANIZATION**
Istituto Oikos

**PARTNER**
NM-AIST,Oikos East
Africa

**SUPPORTED BY**
Technologies for
Sustainable Development
- Call 2021

**TECHNOLOGY**
Water purification

**TARGET COUNTRY**
Tanzania



**LEARN MORE**
Info in Italian

# I4I - Innovation for Inclusion

This initiative, developed by CBM Italia to improve inclusive rehabilitation services at the CoRSU Hospital in Uganda, takes advantage of 3D printing technology to produce prostheses and orthoses. Its main goal is to provide personalized and innovative solutions for physical rehabilitation, thus reducing costs and optimizing production with a scalable, replicable, and long-term sustainable approach, with particular attention to machinery maintenance and spare parts availability.

# I4I - INNOVATION FOR INCLUSION

**ORGANIZATION**
CBM Italia

**PARTNER**
Medere,CoRSU Hospital

**SUPPORTED BY**
Coopen - Health
and Well-being

**TECHNOLOGY**
3D printing

**TARGET COUNTRY**
Uganda

**LEARN MORE**
Info in Italian

# KOKONO

Kokono is an innovative, multi-function, low-cost, and biodegradable crib that supports maternal and child health and safety in Uganda. Designed by Amref Health Africa, in partnership with De-LAB, this project is part of a wider local program called "Buy Ugandan, build Uganda". Indeed, Kokono is entirely produced in Kampala as an effort to promote local entrepreneurship and encourage an inclusive production ecosystem.

# KOKONO

**ORGANIZATION**
Amref Health Africa

**PARTNER**
De-LAB

**SUPPORTED BY**
Coopen - Health
and Well-being

**TECHNOLOGY**
Frugal innovation

**TARGET COUNTRY**
Uganda

**LEARN MORE**
Info in Italian

# MAJI-TECH

This WeWorld project focuses on innovating water access in Isiolo County, Kenya. It is based on an ATM prepaid water distribution system connected to solar-powered kiosks, installed with technical support provided by Maji Milele (Water Forever). These kiosks are accessible 24/7 and operate through prepaid tokens, offering also a choice between chlorinated drinking water and untreated water for livestock.

# MAJI-TECH

## ORGANIZATION
WeWorld

## PARTNER
Maji Milele

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2021

## TECHNOLOGY
Solar energy kiosks,
Solar energy wells

## TARGET COUNTRY
Kenya

## LEARN MORE
Info in Italian

# Innovative educational models for healthcare personnel

This online platform, developed by Ilara Health, provides training courses and discussion forums for healthcare personnel in Kenya, particularly in Tharaka and Meru provinces. Developed by Rome's Comunità di Sant'Egidio ACAP, this project is aimed at improving healthcare skills and know-how of local operators in treating diabetes, hypertension, and cervical cancer, while also promoting the sharing of knowledge and the adoption of best practices.

# INNOVATIVE EDUCATIONAL MODELS FOR HEALTHCARE PERSONNEL

A+

## ORGANIZATION
Comunità di Sant'Egidio ACAP

## PARTNER
Ilara Health,DREAM Kenya Trust

## SUPPORTED BY
Coopen - Health and Well-being

## TECHNOLOGY
E-learning

## TARGET COUNTRY
Kenya

## LEARN MORE
Info in Italian

# Open Hospital 2022

This is a hospital-patient web portal to extend the functionality of Open Hospital, a free and open source software for the management of small and medium-sized healthcare facilities in remote areas. Designed by Informatici Senza Frontiere, this platform now includes three new components: a web-based and mobile interface, an update to provide stricter protection of healtcare data, and a data analysis system for monitoring purposes.

# OPEN HOSPITAL 2022

## ORGANIZATION
Informatici Senza
Frontiere

## PARTNER
Intesys

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2021

## TECHNOLOGY
Hospital data,
Data platform

## TARGET COUNTRIES
Burkina Faso, Côte d'Ivoire,
Ethiopia, Kenya, Madagascar, Marocco,
Mozambique, Niger, Democratic
Republic of the Congo, Rwanda,
Senegal, Sudan, Tanzania, Tunisia,
Uganda, Zambia, Zimbabwe

## LEARN MORE
Info in Italian

# Print the innovation

This CBM Italia project aims to provide specialized training at the CoRSU orthopedic hospital in Uganda for 3D printing of prostheses and personal protective equipment (PPE) such as face protective shields. Its main goal is to provide the hospital with greater autonomy and economic sustainability in sourcing innovative and quality medical materials and equipment to fight disability in the most vulnerable segments of the population (while also addressing the COVID-19 health emergency).

# PRINT THE INNOVATION

**ORGANIZATION**
CBM Italia

**PARTNER**
CoRSU Hospital

**SUPPORTED BY**
Technologies for
Sustainable Development
- Call 2020

**TECHNOLOGY**
3D printing

**TARGET COUNTRY**
Uganda

**LEARN MORE**
Info in Italian

# Quality data for quality services

This is a project by Piero and Lucille Corti Foundation to digitalize the data management related to the Results-Based Financing (RBF) approach at St. Mary's Hospital Lacor.
Its main goal is to extend the use of such RBF system to the entire hospital structure, digitizing personalized checklists to facilitate data analysis and assign financial incentives based on actual results achieved by healthcare service providers.

# QUALITY DATA FOR QUALITY SERVICES

**ORGANIZATION**
Fondazione Piero e
Lucille Corti

**PARTNER**
St. Mary's Hospital
Lacor

**SUPPORTED BY**
Technologies for
Sustainable Development
- Call 2020

**TECHNOLOGY**
Hospital data

**TARGET COUNTRY**
Uganda

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# SAM Photo App

This is a project by Azione contro la Fame, in partnership with Dakar's Cheikh Anta Diop University, to fight Severe Acute Malnutrition (SAM). SAM Photo is an open source and free mobile app, which uses photographs to screen children up to 5 years old and identify potential at-risk cases. By applying a mathematical technique of geometric morphometrics, the app compares arm photos to an image database to detect early signs of malnutrition.

# SAM PHOTO APP

| ORGANIZATION | PARTNER |
|---|---|
| Azione contro la Fame | LARNAH (UCAD) |

| SUPPORTED BY | TECHNOLOGY |
|---|---|
| Technologies for Sustainable Development - Call 2021 | Screening app |

**TARGET COUNTRY**
Senegal

# Evidence-based hospital health services

This project by Medici con l'Africa CUAMM focuses on the digitalization of data and material pertainging to San Giovanni XXIII Hospital in Aber, located in northern Uganda. The NextGenHIMS platform enables the proper collection and organization of clinical and administrative data, both online and offline. This solution guarantees a complete and integrated digital workflow, from administration to clinical departments, thus improving the overall efficiency and quality of healthcare services.

# EVIDENCE-BASED HOSPITAL HEALTH SERVICES

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## ORGANIZATION
Medici con l'Africa CUAMM

## PARTNER
Global Auto Systems

## SUPPORTED BY
Coopen - Health and Well-being

## TECHNOLOGY
Hospital data

## TARGET COUNTRY
Uganda



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Info in Italian

# Setal Dagga

This is a project by Milan's Engineering Without Borders in partnership with Association Jahkarlo, aimed at ensuring access to safe and drinkable water in Dagga, Thiès region, Senegal. This technology is based on solar thermal, a renewable, modular and scalable technology, with low cost and low intensity, while also easy to activate on-site with local materials and basic skills.

# SETAL DAGGA

## ORGANIZATION
Ingegneria Senza
Frontiere - Milano

## PARTNER
Association Jahkarlo

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2020

## TECHNOLOGY
Frugal innovation,
Water purification

## TARGET COUNTRY
Senegal

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# Low tech solutions for respiratory assistance

This Medicus Mundi Italia project applies 3D printing technology to manufacture CPAP (continuous positive airway pressure) devices, a crucial tecnique for respiratory infections and particularly useful for the COVID-19 emergency. This low-cost and easily accessible solution adapts to the needs of healthcare facilities in Mozambique and can be replicated in similar contexts. These CPAP devices were designed for both pediatric and adult patients.

# LOW TECH SOLUTIONS FOR RESPIRATORY ASSISTANCE

## ORGANIZATION
Medicus Mundi Italia

## PARTNER
Direcção Provincial de Saúde de Inhambane, Università degli Studi di Brescia (DSMC),Università Save

## SUPPORTED BY
Technologies for Sustainable Development - Call 2020

## TECHNOLOGY
Frugal innovation, 3D printing

## TARGET COUNTRY
Mozambique

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# Tanana Madio

This project by Help for Optimism (H4O) is an effective response to the COVID-19 emergency and the precarious economic conditions engulfing Madagascar. It includes a laboratory for the production of quality soaps and activities promoting hygiene practice. The soap is made exclusively from natural and and locally sourced raw materials, along with continuous access to a hand-washing station, including a fountain with running water.

# TANANA MADIO

## ORGANIZATION
H4O Help for Optimism

## PARTNER

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2021

## TECHNOLOGY
Frugal innovation

## TARGET COUNTRY
Madagascar

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# Suitable technology

This project by Organizzazione di Aiuto Fraterno–Italia, in partnership with Sermig Re.Te. per lo Sviluppo, is focused on improving health and food conditions in Burkina Faso and Tanzania. The project introduces two low-cost solutions: photovoltaic refrigerators for storing medicines and vaccines, and special devices for the production of sodium hypochlorite to sanitize items and surfaces.

# SUITABLE TECHNOLOGY

♨*

## ORGANIZATION
OAF-I

## PARTNER
Sermig Re.Te. per lo
Sviluppo

## SUPPORTED BY
Technologies for
Sustainable Development
- Call 2020

## TECHNOLOGY
Frugal innovatio,
Photovoltaic refrigerator

## TARGET COUNTRIES
Burkina Faso,Tanzania

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Info in Italian

# A new maternity ward in North Kassack

This project by Rainbow For Africa project, in partnership with Chiwarà, is focused on the renovation of the maternity ward in the Senegalese village of Kassack Nord. Its overall goal is to improve health and well-being of pregnant women and children aged 0-14 years. The building itself has been restored and made more energy efficient, while also involving and training the local community to properly manage the new structure.

## A NEW MATERNITY WARD IN
## NORTH KASSACK

♀

**ORGANIZATION**
Rainbow For Africa

**PARTNER**
Chiwarà

**SUPPORTED BY**
Coopen - Health
and Well-being

**TECHNOLOGY**
Green building

**TARGET COUNTRY**
Senegal



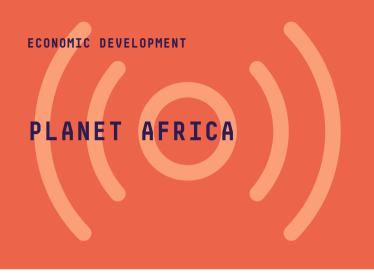**LEARN MORE**
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ECONOMIC
DEVELOPMENT

# ECONOMIC DEVELOPMENT

# PLANET AFRICA

PLANET AFRICA (PLAtform to NETwork AFRican and International Companies, toward full Accessibility) is a pan-African B2B digital platform created by E4Impact Foundation in partnership with Tangaza University College. It is a bilingual platform, specifically designed for African entrepreneurs, compatible with low connectivity and obsolete devices, also featuring a simple user interface to ensure broader access.

# PLANET AFRICA

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## ORGANIZATION
E4Impact Foundation

## PARTNER
Tangaza University College

## SUPPORTED BY
Technologies for Sustainable Development - Call 2021

## TECHNOLOGY
Networking platform

## TARGET COUNTRY
Kenya



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INNOVAZIONE
PER LO
SVILUPPO

Fondazione
CARIPLO

Fondazione
Compagnia
di San Paolo