Informatici Senza Frontiere (ISF) – Implemented Projects

DEVELOPMENT AREA

Open Hospital

Funding: ISF crowd funding and private donors
Place: several sites in Africa and Asia
Duration: ongoing project
ISF role: coordination of software customization – partner of local organizations for installation
Awards: the project is in the Champions list of UNs WSIS Prizes 2016 ⭐

Open Hospital is an open source hospital management software. It is a Clinical Information System developed by ISF to support hospitals, clinics and medical centers in managing daily operations. A community of expert volunteers and professionals constantly deals with developing and updating the product so that to make it more useful and more practical. They provide training and technical advice required for an effective and sustainable implementation. With creation of the dedicated platform http://www.open-hospital.org/ a community of developers is nowadays working to make Open Hospital more and more functional.

With a base of 18 operating installations, Open Hospital can count on ongoing projects inside 12 different counties in the world.

The success is also witnessed by the new requests for software installations coming from 20 new countries, giving a total 36 new contacts and potentially about 2 million users.

Our contributions to OH over the years brought us to:
  • Afghanistan - Kabul - Indira Gandhi Children's Hospital
  • Afghanistan - Sarobi - CHC (Comprehensive Health Center)
  • Angola - Chiulo – Chiulo Hospital
  • Myanmar - Yangon - Yangon General Hospital
  • Cameroon - Dschang - Saint Vincent de Paul Hospital
  • Eritrea - Asmara – Eritrean Department of Health
  • Ethiopia - Awasa - Blein Center Ambulatory
  • Ethiopia - Shiré - St. Agostina Health Center
  • Ethiopia - Wolisso - St. Luke Catholic Hospital and School of Nursing
  • Philippines - San Francisco Camotes Islands - Kito Health Center
  • Greece - Karyes - Vatopedi Monastery
  • Italy - Verona - CESAIM
  • Italy - Vicenza – "Ambulatorio Salute Solidale"
  • Kenya - Geda – Geda Hospital
  • Kenya - Kisii - Tabaka Hospital
  • Kenya - Malindi – Malindi Hospital
  • Kenya - Matiri - St. Orsola Catholic Hospital
  • Kenya - Nairobi - Ruaraka Uhai Neema Hospital
  • Kenya - Nchiru – Nchiru Dispensary
  • Kenya - Sololo - Sololo Hospital
  • Madagascar - Andasibé – Centre Medico Chirurgical Saint Paul

- Mozambique - Palma - Centro de Saude de Palma
- Nepal - Amppipal - "Amppipal Hospital
- Niger - Niamey – Niamey Hospital
- Democratic Republic of the Congo - Kimbau – Kimbau Hospital
- Democratic Republic of the Congo - Kimbondo – Pediatric Hospital of Kimbondo
- Democratic Republic of the Congo - Kingasani – Kingasani Hospital
- Democratic Republic of the Congo - Mokala – Mokala Hospital
- Somaliland - Hargeisa - MAS CTH
- Sud - Sudan - Wau - Wau Hospital
- Syria - Idleb - Violet Maternity Hospital
- Tanzania - Miyuji - St Gemma Health Center
- Uganda - Angal - St. Luke's Hospital

Support to Health Services Delivery in Hargeisa Group Hospital, Somaliland
Funding: European Union - led by United Nations Office for Project Services UNOPS: UN-OPS/TS CONTRACT SOM/EC/00084997/2013/001 in the frame of the EC contract FED/2012/298-809 (CfP EuropeAid/132-875/L/ACT/SO Lot 2 funded by EC)
Place: Somaliland, Hargeisa General Hospital
Duration: 48 months, from March 2013 to May 2015
ISF role: tender partner

The project included infrastructural interventions, equipment procurement for the hospital and increase of capacity building in finance and management areas. In this context, ISF has launched the OpenERP management system in order to computerize and systematize some administrative and management processes, which are essential for the good start of the structure.

Improving urban water service delivery in Somaliland
Funding: European Union – UNICEF - PSA/NWZ/2013/4271 led by UNICEF and in partnership with UN-HABITAT: UNICEF/TS CONTRACT PCA/NWZ/2013/4271 in the frame of the EC contract FED/2012/298-771 (CfP EuropeAid/132-875/L/ACT/SO Lot 1 funded by EC)
Place: Somaliland (Burco, Erigavo, Borama and Wajaale)
Duration: 45 months, from April 2013 to December 2016
ISF role: tender partner

The project, led by UNICEF and in collaboration with UN-HABITAT and MoWR, aimed at a more effective running to improve the provision of urban water services and the service planning and the implementation of alternative water studies in four cities. It included the creation of 8-year Financial plans, 25-year Master plans, 8-year Business plans for cities of Erigavo, Borama and Wa'jaale.
In the above context, ISF designed and introduced a modern and automated information system based on the OpenERP platform (WIMS) for management and invoicing, at the water agencies of Borama, Erigavo and Wa'jaale PPP Utilities. ISF also provided support for installation, configuration, training and follow-up.

Water Infrastructures and Management Support in Puntland
Funding: European Union - FED-2012/298-778 (CfP EuropeAid/132-875/L/ACT/SO Lot 3 funded by EC)
Place: Puntland (Bosaso, Gardo, Garowe, Ba'adwayne and Galkayo)

Duration: 48 months – from January 2013 to December 2016
ISF role: tender partner

The project supported Terre Solidali, PSAWEN and five urban water companies (Bosaso, Gardo, Garowe, Ba'adwayne and Galkayo) in the development of planning documents and in the introduction of a modern computerized billing system based on the OpenERP platform (Water Information Management Systems). The project also supported utilities with the supply of water equipment and materials to extend and repair the distribution network and wells. The project also elaborated a new PPP agreement.
In the above context, ISF has recoded its existing opensource web-based platform; it has created a system of SMS, bar code, billing on the spot (on the meter reading) and ZAAD payment. It also provided a complete package including installation, training, presentation, follow-up and it released the installation CD with Installation Manual and the User Manual.

Ensure access to free give birth in 4 African districts through an effective and strengthened public-private relationship
Funding: Fondazione Medici con l'Africa CUAMM (Padua – Italy), with the financial support of four banking foundations (Cariverona, Cariparo, Cariplo e San Paolo)
Place: Aber(Uganda), Wolisso (Ethiopia), Tosamaganga (Tanzania), Chiulo (Angola)
Duration: 2012-2018
ISF role: technical partner

Aber (Uganda), Wolisso (Ethiopia), Tosamaganga (Tanzania), Chiulo (Angola) are the 4 hospitals, with related health districts, including 22 peripheral health centers, from which the CUAMM Medici con l'Africa project for free access to childbirth and baby care began. The population directly affected by the initiative is a total of about 1,300,000 inhabitants.

In the context of the aforementioned project, ISF carried out activities to implement the information system of the 4 African hospitals involved.

Ethiopia: The project, which started in 2012, provided the entire computerization of the Wolisso hospital, in the Oromia region. There it was installed a customized version of Open Hospital to support the patient flow peculiar to the structure. The implementation required 7 missions; the one in 2017 allowed the computerization of accounting through the OpenERP platform. The project has been repeatedly cited as a pilot and often cited as an example in the "SALUTE E SVILUPPO" magazine by CUAMM.

Tanzania: the project, started in 2014, required several missions (about 2 per year, the last on July 2017) for the computerization of the accounting flow through the use of the OpenERP platform. The operation also required an intensive, and still ongoing remotely, training of personnel who also adopted new internal procedures in order to improve the quality of collected data. Soon we aim to improve the application adding a module for clinical data collection which be integrated with accounting system.

Uganda: the project, launched in 2013, had ISF personnel as consultants and facilitators in the informatization of Aber Hospital (Lira region) through the use of, and the training on, Care2x, a software already widely used in the country. Thanks to a close collaboration between all involved actors (CUAMM, hospital and Ugandan Catholic Medical Board) a profound change has been achieved in the data collection of the structure, reaching 100% of the clinics and, from this year, also the hospitalization departments. From the next mission it will be introduced the use of tablets during the tour of the doctor on duty.

Angola: The project, which had a start in 2016, led to a modest computerization of only the pharmacy in Chiulo Hospital in the Cunene area, one of the poorest in Angola. To date two missions were made. In such missions the only Stock Management module of Open Hospital has been installed and its use has been explained.

Improvement and strengthening of the health system in the Sahrawi refugee camps in Algeria
Funding: Italy Waldensian Church
Place: Sahrawi camps, Algeria
Duration: 2018
ISF role: coordinator

To ensure health and well-being for all people of any age in the Sahrawi refugee camps in Algeria, the intervention aims to strengthen the health system through:
   a) the improvement of health services based on the needs identified by local institutions. This achieved through the development of local skills in the field of planning and management of health services;
   b) the promotion of human development and the training of local operators to be realized through active learning models. This based on the best practices of experience, with the supervision of professionals in the field;
   c) the experimentation of a triangular cooperation, "expression" of a new frontier of cooperation between a traditionally donor country, in this case Italy, which promotes the meeting between two African countries. A new relationship that has the advantage of aggregating resources, exchanging successful experiences and identifying good practices.

The project arises from a partnership network, whose members have been working together for several years to carry out cooperation projects in favor of Sahrawi refugees.

InformAfrica - Computer literacy in developing countries
Funding: ISF crowd funding and private donors
Place: several sites in Africa and Asia
Duration: ongoing project
ISF role: partners of associations, religious missions and local realities

In developing countries, information technology becomes an opportunity for study, work, integration, communication and socialization. Our project aims to train trainers so that tomorrow computer literacy can be more and more accessible to everyone. In some cases, the training concerns the use of our free Open Hospital software.

This project over the years brought us to:

- Salesian Fathers Mission, Madagascar
- Comboni Fathers Mission of Kasaala-Luweero, Uganda
- Comboni Samaritans of Gulu, Uganda
- Sisters of Ambanja Diocese, Madagascar
- Mapuordit Lakes Mission, Sud Sudan
- M'baiki Mission, Central Africa Republic
- Primary School of Chitila, Romenia
- Refugees Camp of Bredjing, Chad
- Djlor (Falick area), Senegal
- Comboni Fathers Mission of Ngetta, Uganda
- "Villaggio della Speranza" (The Village of Hope) of Dodoma, Tanzania
- Comboni Fathers Mission of Yirol, Sud Sudan
- Comboni's College di Kajo Keji, Sud Sudan
- Schools of Uroa and Pongwe Mwera, Zanzibar and Tanzania
- Comboni Fathers Mission of N'jamena, Chad
- Acantharean Franciscan Nuns of Doba, Chad
- Centre de Formation de Abbè Laurent Balma - Kaya, Burkina Faso
- Jeunesse Franciscaine of Bukavu and South Kivu, Democratic Republic of the Congo
- Comboni Fathers Mission of Rushere, Uganda (planned on January/February 2018)
- School of Battambang, Cambodia
- Pediatric Hospital of Kimbondo, Democratic Republic of the Congo (with Agape and HubforKinmbondo). During the four-weeks stay a Computer Classroom was set up, and it was held a training course on the use of LibreOffice tools. After this first step, we are now working to start a project for computerization of the hospital by mean of our product Open Hospital.

Support for associations and institutions
Funding: ISF crowd funding and private donors
Place: various sites
Duration: ongoing project
ISF role: tutor / partner of University

ISF offers itself as a partner of universities, NGOs, associations and hospitals that need organizational and IT consultancy in the field of project implementation. The involved competences concern the design and implementation of software solutions, communication infrastructures, networks and systems, and training.
Our latest collaborations allowed us:
- to create a multimedia system and a computer room for the "Pane e Tulipani" Social Cooperative, Jesi (Italy);
- to create a software for the management of the pharmacy of the Sahrawi camps as part of a large project carried out by the Municipality of Albinea that, in addition to ISF, involves with various roles the Emilia Romegna Region, the Jaima Saharawi Association, the University of Ferrara and Parma, the AUSL of Reggio Emilia, the Volunteer Pharmacists Association;
- to realize the first Italian portal of solidarity projects addressed to Africa (managed by the SPERA Consortium), with the aim of collecting, making easily accessible and constantly updated the projects that the Voluntary Associations can enter online (http://www.consorziospera.org);

- to manage the ISF group on the microcredit site www.kiva.org
- to collaborate with the Progetto Mondo Foundation for the creation of a platform to share experiences of volunteers and activists;
- to collaborate with Jimuel, EndoCas, the "laboratory for development of information technology to support the medicine" of Sant'Anna di Pisa institute, for the creation of MEDIR. MEDIR is a web platform in which a medical community can, starting from a medical history, produce a diagnosis and define a therapy interfacing to Open Hospital installed in a hypothetical remote surgery:
- to give support to "Programma Sviluppo 76" non-profit organization for the "Guinea Bissau Turismo" site;
- to manage the site and the presence on the social networks of the Ondjango association;
- to create for the non-profit organization "Progetto Arca" 5 internet accesses inside the hub in the Railway Central Station of Milan. These 5 accesses (soon they will be 10) allow refugees to communicate (via Skype, e-mail, and social network) with their homeland;
- to refurbish the computer classroom of "Madre Teresa" primary school in Milan;
- to implement 10 remote training courses for Syrian doctors in war zones in cooperation with SEMA. The 10 courses focused on medical topics (neonatology, gynecology, psychology, dialysis, and nephrology) and were held by Italian doctors with an audio and video connection through WebEx. WebEx is a live web conference tool made available free of charge to ISF by Cisco;

ISF4Emergencies
Funding: ISF crowd funding and private donors
Place: various sites
Duration: ongoing project
ISF role: partner of local public authorities

ISF volunteers offer their knowledge for restoration of IT systems in emergency situations. With this project we were:

- in Emilia Romegna (Italy), post-earthquake intervention (2013)
- in Campania (Italy), post-flood intervention in the Benevento area (2015)

TRAINING

Progetto Hurtado - SAP Business One® per Scampia
Funding: King Baudouin Foundation / SAP CSR EMEA Charity Account
Place: Naples, Italy, Scampia district
Duration: 2015-2016-2017
ISF role: project coordinator

Informatici Senza Frontiere with the cooperation of SAP Italia and IT Allianz has launched a course of SAP Business One® at the "Alberto Hurtado" Cultural and Professional Training Center in Scampia (NA). The aim was to have 15 young local boys acquire at first basic skills and then, in the last year, a certification of primary importance to enter the job's world. The course was addressed to young people from Campania, unemployed or underemployed, with some familiarity with the main business processes and with the most common software for office automation. It offered intensive training on SAP Business One 9.2 software, one of the most popular ERP packages in the world, particularly suited to SMEs. The course ended with a moment of training in the company.

D.I.A.L.O.G.U.E. - Determined Immigrants and Locals Organize a Global Unique Entrepreneurship
Funding: European Fund for the integration of non-EU immigrants (FEI)
Place: Naples, Italy, Quartieri Spagnoli
Duration: 24 months from 12/17/2016 to 12/17/2018
ISF role: partner (coordination) of "Associazione Sagapò"

D.I.A.L.O.G.U.E. presents a new methodological approach to support youth creativity and entrepreneurship among young European citizens. It has a particular focus on social enterprises and micro-enterprises and mainly on those of immigrants or mixed immigrants / Neapolitans. It is based on a structured activity of dialogue, aggregation, co-creation and incubation of social enterprise ideas.
In this general framework ISF has been involved since the beginning of the project, taking care first of the design and construction of the network infrastructure of the Foqus center, which is the site of the project.
It also plays the role of start-up of the creative accelerator, taking care of the activation of the center and of the connected services, of the fast Internet connection and of the provision of 10 navigation stations. It will also contribute to the provision of the movie theater and of spaces for individual listening to music.

Fork people to change

Funding: competition announcement "Giovani per la valorizzazione dei beni pubblici" by "Dipartimento della Gioventù" of Presidency of the Council of Ministers
Place: Naples, Italy
Duration: 24 months from 12/21/2016 to 12/21/2018
ISF role: partner (coordination) of "Associazione Sagapò"

The project focuses on the creation of a social business incubator dedicated to young unemployed people in complex areas of the city of Naples and focuses on the use of an asset located in the Montesanto district.
Also in this case ISF also plays the role of start-up and technical partner, taking care of the activation of the center and of the connected services, of the fast Internet connection and of the web browsing stations preparation.

A network for integration: computer and legal literacy actions in favor of foreign citizens and migrants

Funding: Italy Waldensian Church
Place: Veneto, Piemonte, Emilia Romegna
Duration: 2017 – 2018
ISF role: coordination

Through the implementation of computer literacy courses and legal literacy on immigration courses, we want to provide foreigners with tools and skills to become protagonists of their inclusion in the territory. This through the autonomous search for information in the social, work, social security, as well as in the fulfillment of the procedures required for the

stay in Italy. A diploma is issued at the end of the training. Four courses in Treviso and 10 in Turin and the province have already been held during year 2017. Four courses in Treviso and 4 in Bologna are planned for year 2018.

Computer literacy for unaccompanied foreign minors

Funding: "Fondazione Cassa di Risparmio di Bologna"
Place: Bologna, Emilia Romegna, Italy
Duration: 2017
ISF role: coordinator

Design and activation of individualized accompaniment paths aimed at two groups of un-accompanied minors hosted at the "Cooperativa Camelot" facilities. The course, held with the support of cultural and linguistic tutors and mediators, is aimed at the acquisition and improvement of first level computer skills. A diploma is issued at the end of the training.

Computer literacy for refugee and asylum seekers women

Funding: "Fondazione Del Monte di Bologna e Ravenna"
Place: Bologna, Emilia Romegna, Italy
Duration: 2017
ISF role: coordinator

Design and activation of individualized accompaniment paths aimed at three groups of immigrant and refugee women housed in the structures of the "Cooperativa Mondodonna". The course, held with the support of cultural and linguistic tutors and mediators, is aimed at the acquisition and improvement of first level computer skills. A diploma is issued at the end of the training.

Sensoltre Sei Tu ("Sensoltre" it's you)

Funding: Enel Cuore
Places: Bari – Bologna – Milan
Duration: 2018
ISF role: coordinator

The project aims to encourage the inclusion of all students through activities that combine art and technology to reflect upon visual disabilities, upon diversity in general and upon how art can be inclusive.
The starting point is the path of "Sensoltre" tactile pictures of "Informatici Senza Frontiere" which is transformed into an educational and inclusion occasion for all students, with Special Educational Needs and not. The project offers the possibility to three secondary schools of the first degree in Bari, Bologna and Milan to have all the students participate in workshops for the creation of a 3D work of art. Subjects are chosen by students and teachers among the works of their own Municipality, which sponsors the event. The created works of art will remain in the three reference Municipalities, partners of the project.
At the end of the experience in the three schools, it will be set up a special edition of the "Sensoltre" exhibition using the three works of art created by the schools. This special edition will be held during the ISF Rovereto Festival 2018.

The three experiences will be documented in research activities on the perceptual effects linked to the Sensoltre experience, curated by Emanuela Ferri.

Rovereto ISF Festival

Funding: private donors with the support of "Goodnet / Territori in Rete"
Place: Rovereto (TN, Italy)
Duration: from the 13th to the 15th of October 2017 (next edition planned from the 12th to the 14th of October 2018)
ISF role: partner of "Goodnet / Territori in Rete"

Cyberbullying and fake news, computer ethics, prevention of natural disasters, demotics', technological solutions for the disabled, international cooperation projects at the center of laboratories, workshops and meetings with national and international experts. Three days to discuss, to reflect and to find new solutions for a conscious and intelligent use of technologies.
Among the 2017 guests: Elsa Fornero, Francesco Profumo, Paolo Crepet, Massimo Sideri, Umberto Ambrosoli, Marco Morganti, Guido Marangoni, Nadio Delai, Laura Bononcini, Federico Taddia, Isabella Bossi Fedrigotti and Paralympic athletes Andrea Devicenzi and Massimo Spagnoli.
Link: www.isf-festival.it

Surfing Together
Funding: Fondazione Vodafone
Place: various sites in Italy
Duration: 2013-2015
ISF role: partner

The people aged 60 and over were about 15.7 million in 2012 and represented 26.1% of the Italian population, with a prospect of further growth that suggested an incidence of 29.1% in 2020 and even 34, 2% in 2030. For this mature population it became a real need to define key strategies to facilitate the use of internet, improving aspects related to security, initial assistance and simplification.

In this context, Informatici Senza Frontiere has activated "informatics-gyms" in Naples, Venice, Rome, Sorbolo (PR) and Milan. There over 60s could have lessons on the basic use of PC and on Internet browsing, especially to solve health needs, needs related to banking services and for relations with the public administration.

Computer literacy in contexts of social hardship

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

Boys with Down syndrome, people with disabilities, unaccompanied minors, prisoners, drug addicts, immigrants, homeless people are the recipients of our computer literacy

courses: the use of computers and the Internet can contribute to their path of insertion or reintegration into public life.

This project over the years brought us to:
- Prisons of Tuscany: Florence, Pisa, Lucca
- Residence for prisoners at the end of the sentence, Lucca
- Dozza district house, female sect., Bologna
- Marassi Prison, Genoa
- Pratello child prison, Bologna
- District house, Pavia
- La Genovesa cooperative for former drug addicts, Verona
- Massimo Leone Foundation for homeless, Naples
- "Il Piccolo Principe" non-profit organization, Bologna
- Committee for Peace and Against Hunger in the World, Forlì
- CIF (Italian Women's Center for former prisoners), Pisa
- "Futuro Down" non-profit organization, Benevento
- Teseo Center, Monopoli (BA)
- "La Scintilla" cooperative, Mogliano Veneto and Zero Branco (TV)
- Spina Bifida Association, Turin
- "Shalom" community for drug addicts, Bari
- "Ali di Farfalla" Foundation (digit@abili), Benevento
- "Popoli Insieme" non-profit organization of Padua, foreigners' computer literacy
- Municipality of Venice, training for unaccompanied minors
- "Coordinamento Volontariato Lame", Bologna – training for unaccompanied minors

Computer gyms for over 60s

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

To have access to the most common IT tools is very important for all the elderly: to increase their self-esteem and make them feel part of an evolving community, to manage purchases and reservations from home, increasing then their autonomy, to facilitate their communication with distant relatives and friends and to make them feel integrated.

This project over the years brought us to:
- "Pio Albergo Trivulzio", Milan
- Elderly Recreation Center, Treviso
- Elderly groups in Mestre (Venice) – Piave and Bissuola districts - and Venice Historical Center
- Burano Island, Venice
- "Età Libera" project, Villorba Municipality (TV)
- Elderly Center Garbatella, Rome
- Elderly Center Settecamini, Rome
- Elderly Center Montagnola, Rome
- "Coordinamento Volontariato Lame", Bologna
- Elderly Center, Benevento
- Spallanzani Institute, Castelfranco Emilia (MO)

- Tenants Committee Molise-Calvairate, Milan
- "Festival dell'Informatica Sociale", Treviso
- Elderly Center of Solesino municipality (PD)
- Elderly Center of Torreglia municipality (PD)
- AUSER, Povegliano (TV)
- Riglione parish(PI)

Development of digital skills

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

For unemployed, immigrants or other people categories in difficulty it is important to acquire skills that can be spent on the labor market. For them we organize computer courses at various levels, in some cases also by issuing an e-citizens, ECDL or Cisco certification attesting the new acquired skills.
This project over the years brought us to:
- Scampia Youth Group, Naples
- Irfeyal Ecuadorian Center of Art and Culture, Milan (continuous teaching activity, two classes of computer science for migrants)
- INAIL of Benevento (inform@bili project)
- IFOA of Padua, support for the long-term unemployed
- Migrant Group Missionary Diocesan Center and Cultural Association "SAMB E DIOP", Naples
- Agazzi school, Sorbolo (PR)
- First computerization course for Migrants atNAGA-HAR
- INAIL / Caritas, Benevento
- Association Samb e Diop, Naples
- Centro Sociale Barrio's per richiedenti asilo politico, Milan
- NAGA ONLUS onlus center for refugees, Milan

Trashware courses

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

What we no longer need is not said to be of no use to others. From the philosophy of re-use they arise our trashware courses (from trash and hardware), that is recovering old hardware to get a new one, working and useful, excellent for non-profit organizations and for cooperation projects
This project over the years brought us to:
- Voluntary association of Senegalese citizens, Pontedera (PI)
- Umbrian section of Defense of the Citizen, Perugia
- Community "Casa del Vento" managed by "Cooperativa Il Simbolo", Pisa

• TBIZ Conference for social and environmental sustainability, Naples
• Agricultural Technical School "Navarro", Ostellato (FE)

BITLandia and CoderDojo, electrical circuits and programming for children

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

A fun technological laboratory can bring young people closer to science and make them dream of becoming protagonists of the creation of technology and not just using it or suffering from it. With "Informatici Senza Frontiere" they can discover the electric current and some electronic components, they can program with the Scratch language and, finally, put together electronics and computer science to create a … musical keyboard!
This project over the years brought us to:
  • Primary Schools, Benevento
  • Tech Coffee, Benevento
  • "Festival dell'Informatica Sociale", Treviso
  • Youth Center Vincentian Nuns, Rione Traiano, Naples
  • Schools of Lombardy

Our children in the network - Minors and awareness

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: partner of local institutions, associations and public bodies

The Internet and the network offer extraordinary opportunities for communication, learning and entertainment, but there are many dangers on the web. Our task is to illustrate to parents, educators and children themselves what are the pitfalls of the network and what are the precautions to be activated for safe and informed navigation.
In 2016 alone, so many as 6330 students from middle and high school benefited, together with their teachers, of free interventions with computer experts for a conscious use of the network.
This project over the years brought us to:
  • Benevento Schools
  • Bracciano and Settebagni Schools, Lazio
  • Pisacane School, Rome
  • Beneslan Association, Benevento
  • Collegno Schools, Turin
  • Sangano Schools, Turin
  • Schools of Tuscany
  • "Festival Informatica Sociale", Treviso
  • Scientific high school "Da Vinci", Treviso
  • Curtarolo Schools (PD)
  • Teolo Schools (PD)

- Maserà Schools (PD)
- Camposampiero Schools (PD)
- Scientific high school "G. Galilei", Padua
- Middle Schools of Casorate Primo (PV)
- Middle Schools of Cura Carpignano (PV)
- Middle Schools of Giussago (PV)
- Middle Schools of Pavia
- Middle Schools of S. Martino Siccomario PV)
- Middle Schools of Siziano (PV)
- Middle Schools of Sondrio
- Arese Schools (MI)
- Schools of Giambellino, Milan
- 30 schools of Padua and province ("Ri-mettiamoci la faccia" project, "Consulta del Volontariato" of Padua)
- "Festival dell'Informatica Sociale", Treviso

DISABILITY AREA

Digital technology applied to the scholastic education of the blind in Beira, Mozambique

Funding: Italy Waldensian Church
Place: Beira, Mozambico
Duration: 2 years, 2017 – 2018
Rolo di ISF: coordinator
At the center of the project proposal is the will to give autonomy, greater accessibility to school lessons and, consequently, greater labor and social integration opportunities for the young guests of the "Center for the Blind" I.D.V. Beira, in Mozambique, which houses children, young people and blind adults for qa total of 107 people. Thanks to the commitment of one of our volunteers, between 2015 and 2016, a computer room and a Virtual Library were created. There the students were able to learn how to use information technology to create a future. The project, funded by Italy's Waldensian Church, has allowed the continuation of the activity carried out to date in Beira, giving work to a local teacher for computer science lessons and as tutor at the Virtual Library. Furthermore, the guys had 20 new PCs and 35 mp3s to be able to study more easily.

"Progetto SL@" project: online psychological support

Funding: Italy's Ministry of Labor and Social Policies
Place: Italy
Duration: 18 months, in between years 2017 and 2018
ISF role: partner of ASLA association

The general objective of the project is to create an online support service aimed at groups of ALS patients and their family groups. In particular we want to contrast the isolation often experienced by those living with this disease, offering a low-threshold exchange environment, providing a space for sharing personal experiences, feelings and emotions, providing

information on the disease and its treatment and facilitate the exchange of peer information. Other specific targets of the project are the increase in the involvement of family members and their ability to interact with the patient, the expansion of the network of services to support patients with ALS and their families and the integration of the offer of palliative care addressed to the sick, guaranteeing the rights foreseen by the Italian law 38/2010.

In the aforementioned context, ISF has the role of analyzing the different existing tools to identify the one that best suits the project requirements, as well as to create and test a platform that meets the needs of the different groups. The platform will have to be subsequently able to communicate with ISA - I Speak Again, the free communicator realized by ISF in the context of its " Aids project ".

Aids project

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: coordinator or partner of local institutions

Through technology, preferably open source, it is possible to make up for visual or visual deficiencies or to help people with disabilities in their daily lives.
Until today we have achieved:

- **ISA I Speak Again**
  It is our open source communicator to give back the word to those who can no longer communicate due to incapacitating illness (eg ALS). Between 2017 and 2018, thanks to the project **"Progetto SL@"** financed by the Italian Ministry of Labor and Social Policies, it will become the official communicator of ASLA, as it will be coupled with the psychological support platform of the association.

- **I.M.A. – I Move Again**
  Result of a thesis work as part of the collaboration between ISF and the Computer Science Department of the University of Bari, I.M.A. is an extension of "I Speak Again" for patients with severe motor disabilities. I.M.A. allows the movement of the wheelchair by means of eye tracking, i.e. the only movement of the pupil.

- **Paperboy/Strillone**
  App that allows those with visual disabilities to read the favorite newspaper. In 2015 it was in the final at the ITU World Prize, the United Nations telecommunications agency. • Paperboy/Strillone is also present in the 2014 stocktaking document, as Best Practice adopted in Italy.

- **Spoken House**
  Home automation system for the blind, visually impaired and hearing impaired. It was developed in Benevento as part of three graduate thesis work in collaboration with the Faculty of Computer Engineering of the University of Sannio (Unisannio, Benevento), the Blind Union of Benevento, the eLIS association and some hearing impaired assisted by the INAIL of Benevento.

- **UniLeo4Light**
  Project of Informatici Senza Frontiere, University of Bari and LEO Lions that brings Strillone to become the first App for the blind or partially sighted, to access the information about degree courses of the Universities of Italy. Visually impaired users can now select the desired content with the help of a navigation supported by guide voice and the App allows you to vocally reproduce the text.

- **Musical Instruments for persons with disabilities**
  As part of the partnership with the AccordiAbili association, chaired by Master Vincenzo Deluci, Informatici Senza Frontiere provides its know-how to design and build musical instruments for people with disabilities.

- **SROLL**
  Scrolling interface with micromovements for serious disabled people.

- **DipMind**
  The project, under development, will allow the reading and processing of signals coming from a "helmet" that reveals the emotional states of the people.

- **Brescia, speaking map**
  Portable map of the city of Brescia for blind people with vocal indication of the reached streets and squares.

Tactile paintings project - Sensoltre

Funding: ISF crowd funding and private donors
Place: various sites in Italy
Duration: ongoing project
ISF role: coordinator or partner of local institutions

The first multi-sensorial path in the dark between tactile paintings (works by Giovanni Pedote, name of art Giope, by Emanuela Ferri) realized by Informatici Senza Frontiere, with the help of NFC technology (near communication). Art, Music and Technology come together in a multi-sensory journey, creating a new and exciting exhibition reality.
The Sensoltre exhibition was here:
- Bari (Spaziogiovani and Mola di Bari), 2013
- Benevento (Paolo V palace), 2014 e 2015
- Rome, Codeweek, 2014
- Bologna (Institute for the Blind Cavazza and preview at the theater E. Duse), 2014
- Milan (Bicocca University, Workshop "in tutti i sensi" and Filarete Foundation), 2015
- Turin (Villa Amoretti Public Library), 2015
- Mola di Bari (Santa Chiara Cloister - Let's think fusion Workshop), 2015
- Polignano a Mare (BA) (Cultural Center "'u Castarill"), 2015
- Pisa (Internet Festival), 2015
- Treviso ("Festival dell'Informatica Sociale"), 2015
- Polignano a mare (BA) (Pino Pascali Museum Foundation), 2016
- Canosa di Puglia (BT), "Sergio Fontana" Study and Research Center,2016

- Polignano a mare (BA) (Pino Pascali Museum Foundation), installation reproduction of Baco da Setola by Pino Pascali, 2016
- Rome, Palace of Vicolo Valdina - Chamber of Deputies, 2017
- Polignano a mare (BA) (Il libro Possibile 2017, presentation of the book "Corrispondenze tra le Arti" by Emanuela Ferri with mini-exhibition Sensoltre at Cultural Center " 'u Castarill ")
- Bari (Piccinni Conservatory of Bari, presentation of the book "Corrispondenze tra le Arti" by Emanuela Ferri with mini-exhibition Sensoltre)
- Rovereto (Informatici Senza Frontiere in Festival), 2017