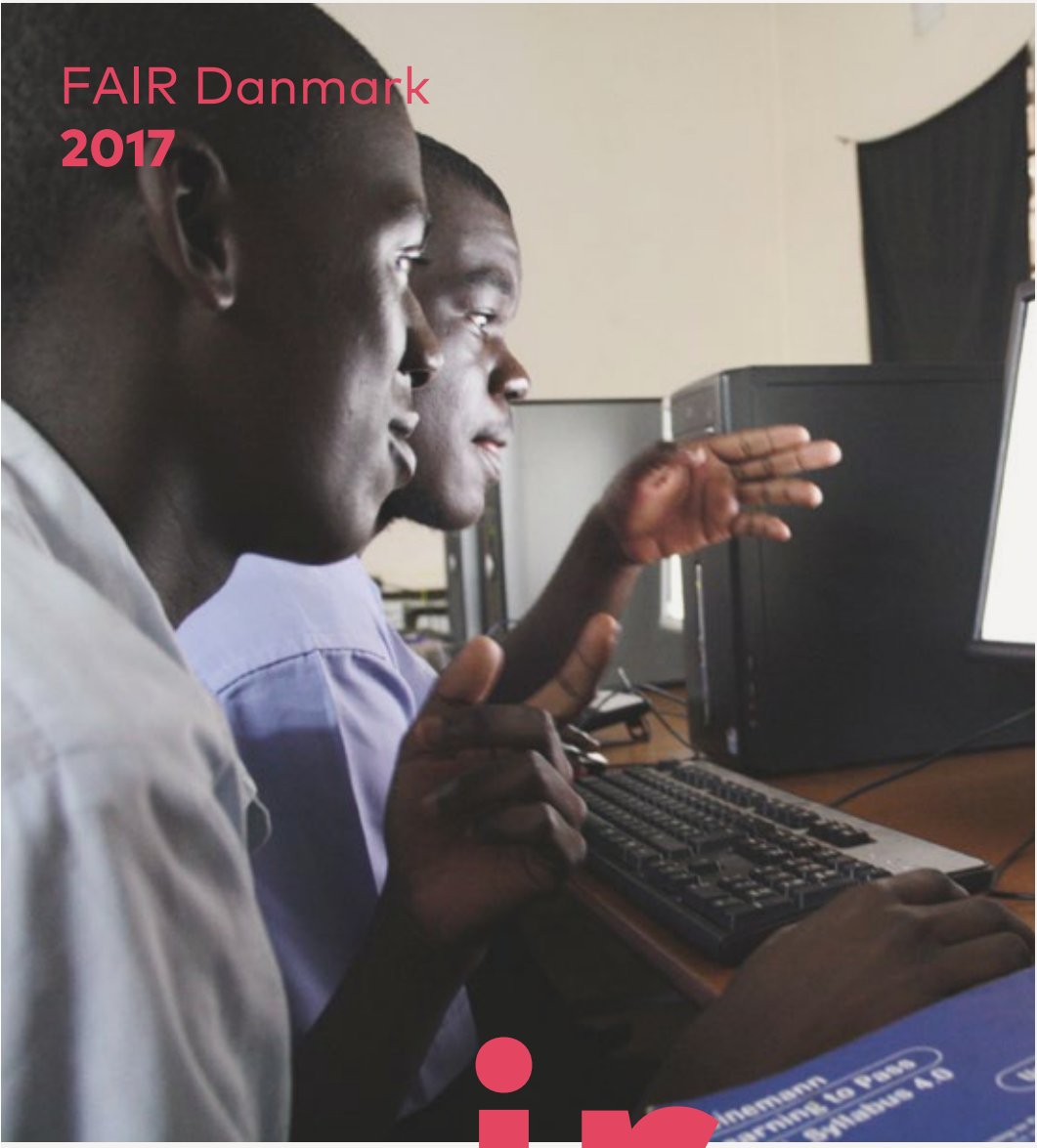
FAIR Danmark
2017



fair

Knowledge is a bridge

Annual Issue #1 – Published October 2017

FAIR Danmark 2017

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FAIR Danmark

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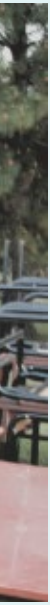

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Introduction

FAIR Denmark is a Danish civic society and social enterprise that supports education by refurbishing and distributing ICT equipment, and adapting open educational resources and open source software.

Our name FAIR is short for **Fair Allocation of Infotech Resources**, and since 2010 we have collected, refurbished and shipped ICT equipment from Denmark to Malawi. This is our modest contribution to bridging the vast gaps in educational opportunities caused by global inequality. Through these activities we have built knowledge and experience as an organization, and in this Annual Issue, we look at the status of our capabilities and potential.

Through these years, we have sent 5 shipping containers of ICT equipment to Malawi. It's not a lot compared to the unmet need, so when we talk about our achievements, we are also emphasizing the capacity and potential that's been built – a capacity to scale our operations.

This little booklet is about what FAIR has done, and how we want to continue to do it. It's also our first annual report in this format. It has been co-written by volunteers, and in all modesty, the final objective is to warmly invite partners, sponsors and volunteers to help us on our mission!

Please get in touch, we'd be happy to hear from you!

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Our history

When we talk about the future, we're excited and optimistic, when we talk about the past, we share our true experiences and reflect on the mistakes that we can learn from. Here's a brief overview of the important events that form and embody our experience and knowledge as an organization.

2002 FAIR Norway is formed and starts collecting equipment from Norwegian companies. In the following years, thousands of computers are sent to many different countries, including Zambia, Guatemala, Ethiopia, Kenya, Madagascar, Eritrea.

2008 FAIR Denmark is formed as a sister organization of FAIR Norway by Bent Blindbæk and 3 other current members of the organization. Small donations of equipment are received and stored for later. FAIR Denmark is from the beginning a membership-based association, and 50 members joined soon after the launch.

2009 The development of an open source software suite for refurbishment is launched, called "CoReSu" (Computer Recycling Suite) with volunteers from Aalborg and Aarhus in a collaboration with Danish Seniors Without Borders (Seniorer Uden Grænser). The software and an online logistics system is the foundation for all of the collection activities: Everything collected is equipped and tracked with a barcode.

2010 A pilot project is launched with support from the Danish government (CISU/Danida), the project is called "ICT in education and democracy building in Malawi". The Malawian partner NICE (National Initiative for Civic Education) will establish 5 centres in the Central region, each with ~50 computers, and keep a supply of spare parts for maintaining the centres. FAIR opens its first workshop in Copenhagen and enough equipment is gathered to ship a 40' container in November, thanks to a number of partners, not least IKEA Denmark.

2011 The first container reaches Malawi and the pilot project is implemented in March and an evaluation is carried out in November. The container is left in Malawi to receive discarded equipment for the take-back program. FAIR Denmark moves to a bigger workshop in Copenhagens NorthWest district. A campaign is tested with consumer equipment collected from a large Danish retailer, but more than half of the equipment is too old to reuse – this focuses FAIR's energy on refurbishing business-grade equipment rather than consumer. Three delegations visit Malawi in 2011, for planning, implementation and evaluation respectively.

The first centres include their own servers and off-line versions of Wikipedia, Khan Academy, a number of documentary films and the full library of Ubuntu software.

2012 Another container is shipped with NICE as the recipient for NICE's rural libraries, the project is commonly known as "The NICE & FAIR project". The project is entirely financed by revenue from companies and FAIR. A team visits NICE to do training for the library process, but in a very irregular and unfortunate process, the equipment is held back for an extended duration by Malawi's customs agency and doesn't get distributed to the NICE offices until 6 months after the equipment's arrival. Both NICE and FAIR learn a lot from this experience in terms of planning and execution.

In May, a brand new version of the refurbishment software is released as Large-scale Computer Reuse Suite (LCRS) version 2 with the slogan: »For the benefit of people and the planet, let us start re-using, repairing and refurbishing computers instead of creating more e-waste!«. It is implemented in FAIR Norway as well.

2013 A team of Malawian volunteers are sent for training at Mzuzu University (Mzuni), and the positive experience starts a new project between staff at Mzuni and FAIR. A delegation from FAIR visits Mzuni to initiate the project. The same year, a container is shipped from Denmark with support from the Danish government Danida via the "Recycling to the South" (Genbrug Til Syd – GTS) program. A team of trainers from FAIR visits and together with Mzuni staff and student volunteers, the first 9 school centres are established, and the university continues to establish further centres.

All of the involved schools contribute resources to a project unit at the university which provides maintenance, thus a sustainable model is formed.

2014 Another container is shipped with destination for Mzuzu, with support from GTS. The equipment from the container is handled entirely by Mzuni as a continuation of the 2013 project and is a successful milestone for the model: Equipment has been collected and refurbished in Denmark, then handled and distributed by a technically skilled partner in Malawi.

2015 The first update of ICT centres takes place with servers and software being renewed across all centres

in the Northern Region. 4 of the 5 pilot centres from 2011 are upgraded, one of them has entirely new equipment, 3 others are partly upgraded, and the last centre is decided to be taken down due to negligence of maintenance and absence of proper teachers in the previous years.

Mzuni announces that soon all the schools with steady electricity the Northern Region will have computer labs, therefore we decide to ship the 5th container to the Central Region of Malawi. A new project is setup with NICE and National College of IT (NACIT), with 9 secondary schools in mind and a further number of smaller ICT centers at NICE's district offices.

2016 The Northern Region of Malawi where the project is taking place is ranked by the Ministry of Education as the highest performing in terms of ICT. The shipment from 2015 arrives but is severely delayed by customs.

In late 2016, work is started in Large-Scale Computer Reuse Suite (LCRS) version 3, a completely new version of the open source refurbishment software. The former version LCRS v2 surpasses 11,000 processed computers.

Also late in 2016, a project for a transition phase receives support from InterKulturelt Center (IKC). A

series of activities are started, not least a renovation of the workshop.

2017 In early 2017, a new workshop in Copenhagen is ready with improved facilities for volunteers and refurbishment. Mzuni completes the first program of training of teachers from local secondary schools benefiting from the project with support of Google's program "CS for High Schools" (CS4HS). A new Society "tMinds" is formed by staff and students to do maintenance, internships for teacher training and youth entrepreneurship. FAIR trainers work together with a group of NICE volunteers to establish new centres at NICE's regional offices.

2018 The future! A new chapter

JUST

A new chapter

In 2016, we decided to invest our time and resources to create a **new vision** and initiate a **transition** that would enable its realization. During the transition, we had to shift focus away from the normal revenue flow and equipment refurbishment.

The new vision is a reaction and addition to our continual work on:

- Reusing ICT equipment for development (ICT4D) in an environmentally sustainable manner, through extending the life of equipment and responsible take-back.
- Encouraging companies to extend life-span and reuse of ICT equipment, perceiving the equipment ultimately as a resource rather than a disposable good.
- Raising awareness about the value of open source software and freely licensed educational resources.
- Implementing a project model with sustainable, local ownership and knowledge transfer for a fully localized service delivery.

Knowledge is

Our vision: Knowledge is opportunity

FAIR's vision is to remove some of the root causes of poverty and global inequality, namely lack of access to education, knowledge and technology.

Therefore, we work in a global context to improve access to and use of education and information resources. This is done by redistributing ICT equipment, open source software, and educational resources for schools in developing countries.

We develop and customize software and teaching materials for the benefit of students in the world's poorest countries. We collaborate both at home and abroad to create a platform for more people to participate and share their skills through working as volunteers.

Our vision must be realized solely through partnerships that are mutually beneficial and long-term. Thus, we aim to ensure the sustainability of projects and local ownership.

In Denmark, FAIR seeks corporate partners, to provide depreciated, but otherwise functional ICT equipment and co-financing. Equipment that can be assumed to have a remaining lifetime of 5+ years. FAIR regards this equipment as a valuable resource to be used optimally and also takes full responsibility for ensuring that the equipment does not have a negative environmental impact upon disposal.

New workshop in Copenhagen

Provided we receive enough ICT equipment and have enough helping hands, we can gather equipment at our facility for 1 shipping container at a time, supplying roughly 5-700 computers, or enough for 15-20 school centres. This is what we have done previously, and the process of preparing and packing 1 container has taken on average 1 year.

After renovating the workshop, we aim to increase the pace. The previous rate was achieved by a few volunteers working roughly 1 day per week. Thus, it's easy to be optimistic that this figure can double. And with enough willing companies, we now know that our logistics and volunteer team are up to the task.

New refurbishment process and standards

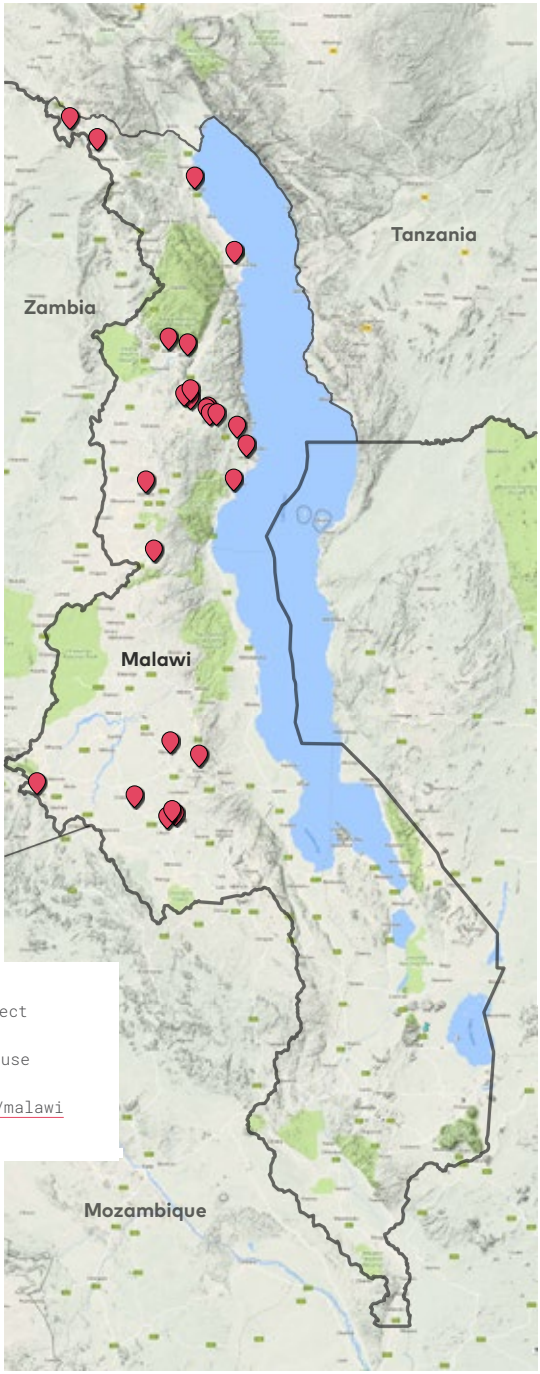
The ICT equipment that we receive for refurbishment is constantly improving. At present, our **minimum requirements** for computers in our projects are:

- 2 GB of memory
- 64 bit processor: Intel Dual Core, Centrino, i3, i5, i7, Atom or newer
- Laptops or desktops + LCD screens
- USB mouse and keyboard
- Equipment **not** meeting this standard is stripped for spare parts to maintain or upgrade other equipment.

Upgrading our reuse software

Since 2011, we have developed **Large-Scale Computer Reuse Suite** (LCRS), our open source platform for refurbishing computers. We develop this not only for our own use, but with other organizations in mind as well. It's been used to process over 12,000 computers in Denmark and Norway. The project, currently in its second generation LCRS v2, will be released as LCRS v3 during 2017, boosting the refurbishment process with faster hard drive wipe speeds, better support for newer hardware, and stress tests for processors and hard drives.

LCRS means Large-Scale Computer Reuse Suite and is our open-source software for securely wiping hard drives and collecting data for warehouse logistics and quality assurance during the refurbishment process. Read more on lrcs.fairdanmark.dk



To read more about the project partners, details about participating schools, and use our interactive map, go to: www.fairdanmark.dk/projects/malawi

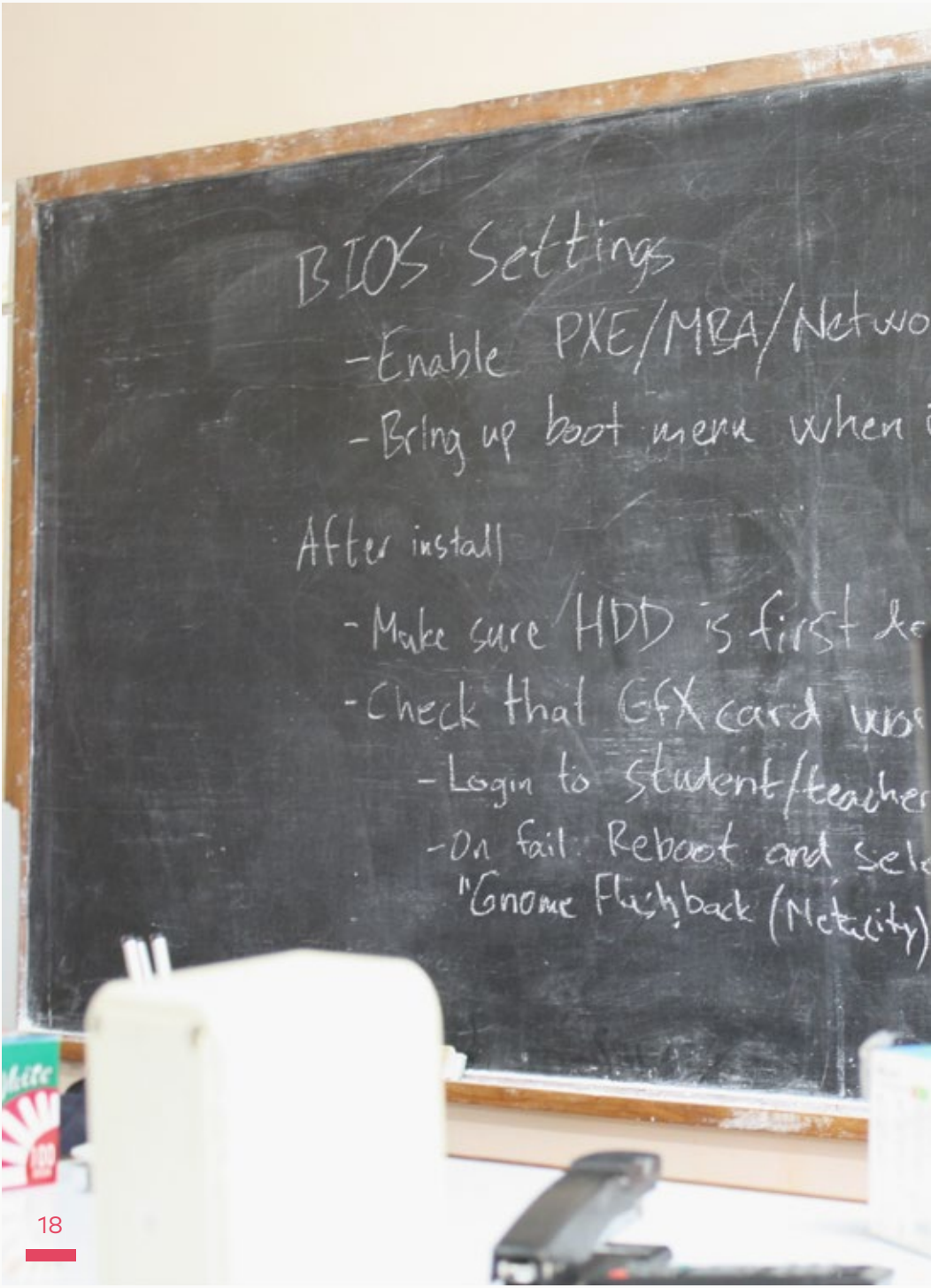
Setting a capacity milestone

There are currently 23 established ICT centres, with 10 more coming in 2017. The first were established in 2013, and the computers are nearing the end of their technical lifespan. Thus, we don't expect to reach this milestone in a near future unless we meet a series of interconnected parameters of growth. Conversely, we are also in a situation where we – having fulfilled a replacement plan for the 2013 centres – can make plans for more new centres.

The following is a conservative estimate, considering our proven track record. This estimate doesn't impact or lower the ambitions for equipment intake, but sets out an ambitious goal for activities in Malawi, as there will be 30 school centres at the end of 2017. This means that at our current capacity, we can around 80 school centres – our milestone!

Numbers:

Computers per. school centre	30
Computers pr. container	500
Centres pr. container	500 / 30 = 16,6
Avg. life span per computer	5 years
Containers annually	1
Calculation	5 years × 16,6 centres per container / 1 container per year
Total school centres	**83 centres**
Total no. computers	**2490 computers**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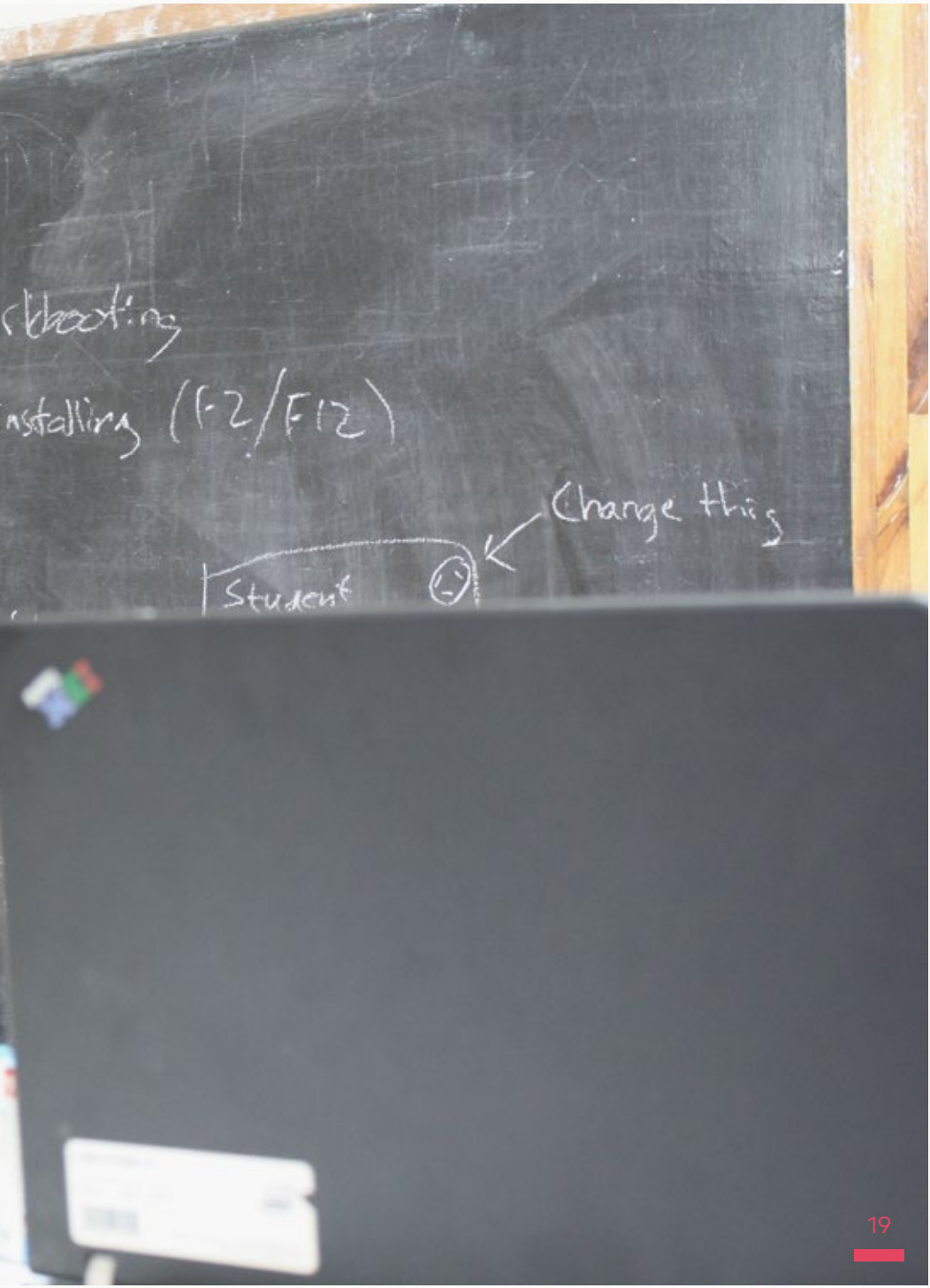

Change this
Student

Your company can help our mission!

Why?

As a company, you can take full social and environmental responsibility of your ICT resources by helping a humanitarian cause. It's quite easy and not very expensive. And you will also have knowledgeable technicians perform the critical service of safely wiping your sensitive data from your digital storage media.

We don't ask for much. You could also ask: Why shouldn't computers which are about to the replaced by new ones get the chance to extend their lifespan by serving as school computers in Malawi? If your company believes in education, refurbishment and sustainable handling of e- waste without having to worry about data getting into the wrong hands, become a partner.

How?

By becoming a partner or contributing a one-time donation, FAIR will provide the following services...

We will:

- Pick up your ICT equipment at your location.
- Wipe all your storage media. Your data will be COMPLETELY wiped and unrecoverable. This will be done shortly after receiving the equipment and is verified and documented by our refurbishment software LCRS.
- All equipment is tracked, and we provide the transparency necessary to see what has happened with the equipment.
- A final report is provided through our website: You get a login and can generate reports necessary to, for instance, provide your employees or annual report with evidence of how the company is taking social and environmental responsibility of its ICT resources.

UN Sustainable Development Goals

By addressing global inequalities and providing access to technology and education, FAIR's mission is aligned with the United Nations Development Goals:

DG 1: No Poverty

Access to technology means access to information and knowledge, and potentially a tool to boost local development processes. The process of digital inclusion can empower and inspire communities, and help them find solutions and better fight adversities.

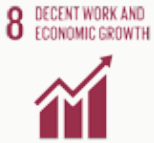
DG 4: Quality Education

Access to quality education is the foundation to improving people's lives and giving them autonomy. FAIR helps providing quality education by supplying schools with computer labs, open source software, freely licensed educational resources, as well as teacher's training.

DG 5: Gender Equality

Targets connected with the goal of promoting gender equality are, among others, to enhance the use of enabling technology to promote the empowerment of women and to ensure women's full and effective participation and equal opportunities. FAIR Denmark provides schools and university students, regardless of their gender, with access to technology, thus contributing to bridging the gender gap in developing countries.

UN Sustainable Development Goals



DG 8: Decent Work

Promote inclusive and sustainable economic growth, employment and decent work for all. By providing access and knowledge about technology and through partnership work also fostering innovation and youth entrepreneurship, FAIR is actively fighting youth unemployment.

DG 10: Reduce Inequality

Bridging the gap of access to ICT's works towards reducing inequalities between countries and makes sure people within developing nations have a more equal and fair access to education, technology, knowledge and opportunities.

DG 12: Responsible Consumption

FAIR contributes actively to this goal, by giving businesses the opportunity of donating computers to developing nations where they are used for educational purposes, thus increasing their lifespan and demonstrating the effectiveness of recycling and reusing.

DG 17: Partnerships for the Goals

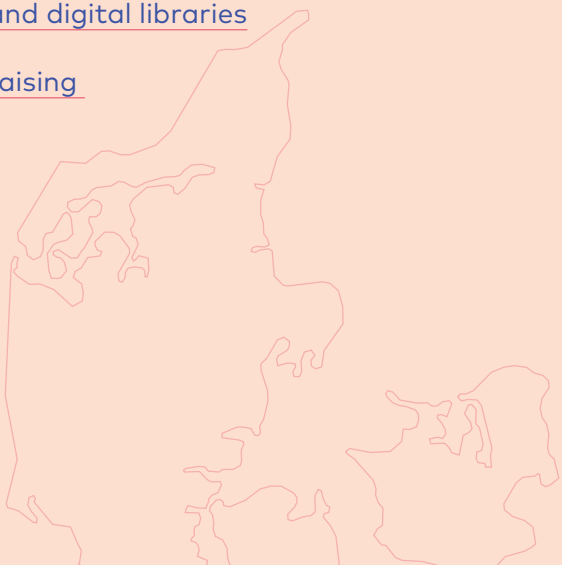
FAIR is working with local partners in developing countries, thus fostering global partnerships for sustainable development and working closely towards some of the technology targets of goal 17.

Being a teacher and a learner at the same time!

Volunteering in Denmark

We need help for both large and small tasks. It's easy to be volunteer for FAIR and requires no special skills, only a willingness to give. We are looking for help with the following tasks:

- Preparing equipment
- Software development for logistics and school centres
- Creating, adapting and organizing educational contents and digital libraries
- Communication, fundraising and administration



Preparing equipment

You do not have to be a computer expert to help when we prepare equipment. If you join our volunteer corps, we will notify you when you're needed and you will receive the necessary instructions.

Software development

During the preparation of equipment, FAIR uses its own software that automatically performs tests and data delete on multiple computers at a time. We call this **LCRS** or **Large-scale Computer Reuse Suite**. You can read more about the software on page 15 of this booklet.

We are also working on installing Linux distributions, so we're looking forward to ideas and help so our equipment can be sent with software that is free, easy and relevant to the recipients.

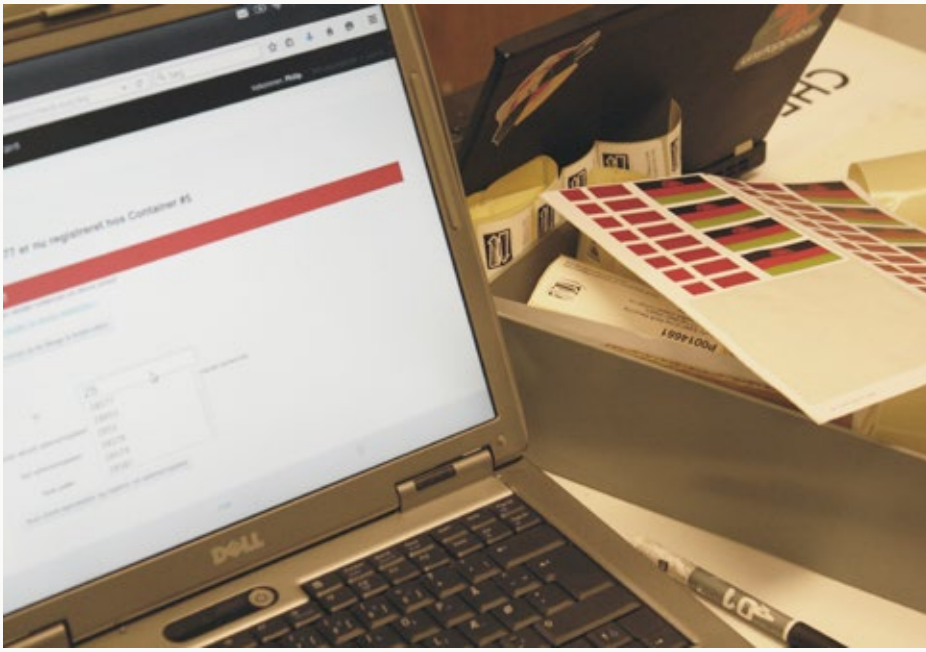
The work on software is constantly evolving, and it is therefore best if you contact us directly to learn more about the possibilities of helping.

School work, pedagogy and IT training

If you have special expertise in our areas of work, we would like to hear from you. Our work consists not only of collecting and shipping equipment, but also actively supporting the projects we are engaged in.

Communication, fundraising and administration

In order to collect enough computers, marketing and contact with companies are an important part of our work. In particular we: develop material such as posters, work on web-based media, make brochures, organize events and are open to other suggestions.

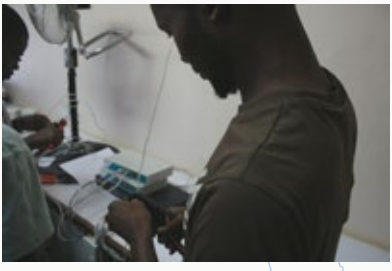


Volunteering in Malawi

Malawi has an 8-4-4 education system consisting of primary school, secondary school and university education. But because of an immense lack of resources, the schools and universities are too few and students have to pass through several needle eyes. In the end, dropout rates are high and very few make it as far as the university. Most of the ICT access that we work to provide is targeted at the 4 critical years of secondary school which students of roughly 14-18 years of age attend.

These secondary schools often request additional help for teaching and implementing ICT.

New computer access ensures that the common syllabus subject of *Computer Studies* becomes immensely popular – without computers, students would have a high risk of failing exams, but knowing that practical lessons can be taken and exams can be passed, creates a huge increase in the demand for the subject.



This challenge is welcomed of course, but it often means that untrained teachers have to take responsibility for new classes. This is a challenge where perhaps you can help both the teachers and the many students?

Furthermore, ICT isn't isolated to the study of computers, it's a tool to improve all subjects: As the centres give access to massive amounts of knowledge resources and digital training, a huge potential is to be unlocked by someone with relatively extra-ordinary knowledge in ICT. Perhaps you can be that spark?

Therefore we have started an ICT volunteer program of "Global Contact" with ActionAid Denmark and ActionAid Malawi, for which trainers and ICT experts of all levels are offered the opportunity to help out where their skills can make the biggest difference. To learn more, visit globalcontact.dk.

Younger kids fooling around outside a partner school in Ekwendeni.

Marthe:

"I am a volunteer with FAIR because I strongly believe that education is an important driver for development. As a student of African Studies I have focused on children's rights and what it means to be a child in Africa. When I first got to know FAIR it quickly became clear to me that my interest within children's rights, belief in education and overall interest in the African continent was combined in our ICT projects. As a bonus I have learned a lot about refurbishing computers and Open-Source software from my co-volunteers."

Ove:

"After working in and out of the African continent for 10-15 years I was happy to become a volunteer in FAIR Denmark some 5 years ago. Having been a strong advocate for the use of Linux and Open-Source for many years, the combination of Ubuntu Linux and Open-Source learning material made a great platform for securing some of the secondary school students in Malawi some of the tools they need, for their own and the country's development."

Mchinji, Central Region, Malawi. A member of the membership-based Mchinji ICT Centre maintaining equipment in the yard outside the centre.

We need members! Support us in Denmark and Norway

We are a civic society! If you become a member in Denmark or Norway, you can support us economically, not least participate in the daily work of running the organization.

As with any civic society, members help us to show our size and backing.

You can become a member online and pay by credit card.
Scan the QR code below, or use this link:
www.fairdanmark.dk/da/membership/create

You can also become an ambassador of FAIR by wearing our new signature t-shirts (we don't really profit from selling it, just so you know): www.fairdanmark.dk/merch

Malawi

FAIR Denmark has a long-term commitment to Malawi. A commitment and a friendship which has lasted for over 6 years. As a civic society, made up of people who work with an aim and a passion, we are grateful for this relationship.

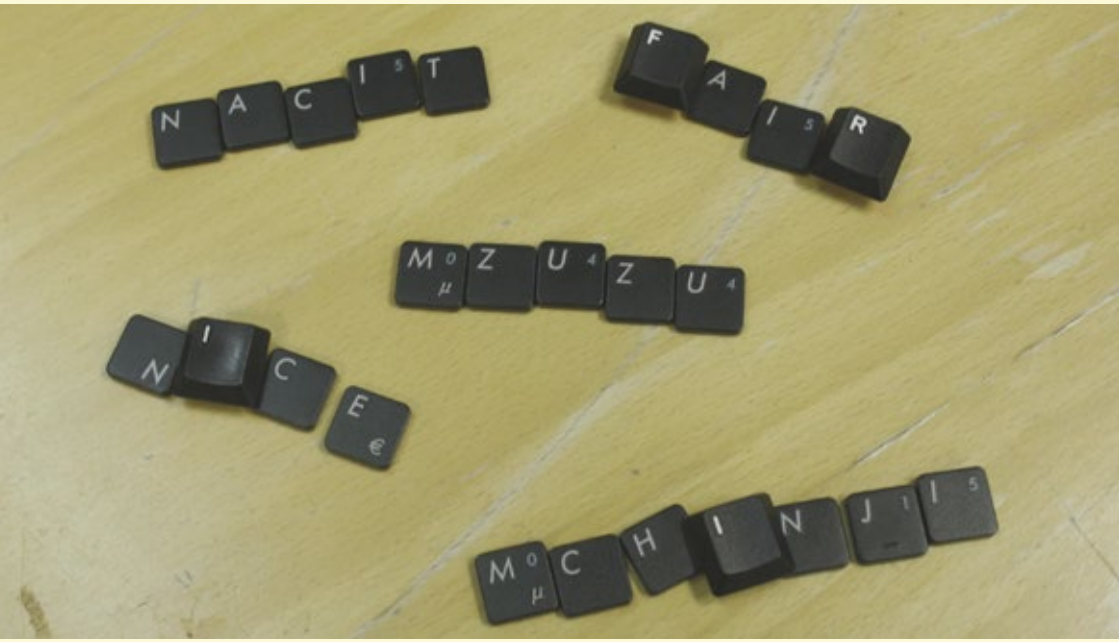
Partnerships

FAIR works in two of Malawi's three administrative regions: **Central Malawi** and **Northern Malawi**.

Both the North and Central regions follow the same project model, but the partnerships are set up differently:

Northern Region

- Active since late 2013, 2 consignments. 20 centres established, upgrade process since 2015 (new software, spare hardware). Partners:
  - Mzuzu University, Computer Science Department
  - Northern Education Division (Ministry of Education)



Central Region

- Pilot project in 2011 (terminated), new consignment in 2016 with new project model and partnership structure:
  - NACIT (National College of IT)
  - NICE (National Initiative for Civic Education)
  - Ministry of Education (Central-West + Central-East Education Division)

During '16 and '17, we have also had meetings and are finalizing plans with ActionAid Malawi, EU Malawi, and a new NGO for ICT in Mzuzu. These new plans for collaboration will support our new vision, adding an increased focus on education.

Schools and ICT Centres

In 2016, a consignment of 453 computers and laptops arrived in Lilongwe in order to set up 10 new secondary school centres in the Central Region and to equip some of NICE's District Offices (Resource Centres) with small resource centers of 5-10 computers each for public information searching.

The project has begun its first phases, establishing both a model and training ICT Centre at NACIT, and several of the smaller NICE Resource Centres. We are excited about expanding our presence in the central region.

Reuben Moyo, former FAIR volunteer and now assistant lecturer at Mzuzu University and co-founder of tMinds.

A proud volunteer

An interview with Reuben Moyo

Reuben, 29 years old and currently assistant lecturer at the ICT Department at Mzuzu University, started at FAIR as a proud volunteer during his studies at Mzuzu University, and later became a staff member at the university. His experience at FAIR gave him the opportunity to put knowledge into practice, and ultimately shaped his career, by giving him important tools to work with ICT for development as well as inspiration to start a new initiative – he is now fighting to establish the NGO tMinds focused on secondary schools and hopes to work with FAIR as a partner. We are proud of his achievement and look forward to working together in the future. The following is a transcript of an interview with Reuben:

What is your current professional title?

I work as assistant lecturer at Mzuzu University, in the ICT Department. I have been in the university since 2015 as an employee. I graduated from this University, studying ICT.

How did you hear about the project with FAIR?
How did you benefit from the experience?

In my 3rd year, in 2012, I had the opportunity to participate in the activities of a FAIR project. I was among the first that volunteered for the project, setting up activities in secondary schools, participated in network layout in 3 Secondary schools, among others. So I was a proud volunteer. In class was theoretical most of the time, and volunteering was a chance to put things in practice, it was quite fun.

During the implementation of the activities, I learned a lot, because at that time I had not interacted with Linux operating systems, it was the first time to see Edubuntu, and it was also the first time to see Benjamin [a FAIR volunteer from Denmark] coding in Python. There was a lot of troubleshooting during the time we tried to deploy this, as we worked on getting the client and server to communicate. Besides that, Benjamin trained us, gave us some basic tools on how to work with Linux and to code in Python. It was quite a good experience that I will not forget. I graduated in 2014, so I left the place, only to come back after a year not as a student, but as a staff member.

Can you tell us a story of how you ended up a lecturer?

I tried finding a job after graduation but it was impossible. I tried also establishing an organization focused on ICTs for Development, but it was too hard to find funding and difficult to operate without a

physical office in town. So when I saw the calling for staff associate, I applied and was selected. It is also an opportunity to upgrade later, through a doctorate maybe in the future.

How many students are now enrolled at the campus and where do they come from?

The number has grown, it is now more than 2.500 students. I can't be exact on the numbers, but in the ICT Department I would estimate there are around 300 students, in both the weekend and generic program. The students come from all over Malawi, and also Tanzania and other neighbouring countries.

Do you have other projects, besides being a lecturer?

Having perceived a need to give continuity to some of the FAIR projects, a new society came to be. It is called t-Minds. As the volunteers come from the ICT Department where our focus is on innovation and technology, this name was then chosen to reflect our focus on technology. It has not been easy, as the bureaucracy to start an NGO is very long and complicated. The greatest challenge that we face at the moment is finding funding.

What is the role of the new society and which activities you plan to develop?

One of the activities we are planning now is to take students who are part of the society, and have them assist in implementing the FAIR projects. So we are planning to take some of the students to the Fair Denmark centres, so they can assist the teachers in using the ICT centers that we have set up, and assist them in motivating the students. But for now we don't have any resources. This is a very

important activity. And we will be responding to a call from the head teachers from these centres, who have been asking for assistance in training in the students in how to use the libraries, and also the teachers themselves.

This society, the way we planned it, will play a vital role which is currently lacking to the community of the centres, and that will benefit the country as a whole. We believe that the society will always leave a legacy behind. And with assistance of partners, we will really grow. So this is an opening for potential partners, and this is a vehicle for development, especially for education. We are happy to have the society and we are energised to start operating. We would like to benefit from the already existing link between the society and FAIR, and develop projects together.

In 2017, Reuben Moyo has co-organized a teacher training program called CS4HS. At the end of the training, teachers brought their own students and they taught them to program in a competition. The Head of the ICT Department at Mzuzu University, Emmanuelle Nganade presents the diplomas to the winners.

Activity pipeline

We have identified a number of activities as high priority for the remainder of 2017.

Volunteer teacher trainers

In 2017, we are launching a volunteer platform for ICT-skilled volunteers to help schools make better use of ICT resources. There is a great potential for sharing ICT skills and visions at newly established ICT centres. Teachers in Malawi have little experience with digital education and information resources, and for lack of something better, the computers are often seen and used in the context of Computer Studies classes based on the Malawian syllabus from 2005.

Together with **ActionAid Denmark's Global Contact** platform (see p. 28), we aim to attract ICT-talents for volunteering and internships, ICT being a new focus area in Global Contact. Several schools have shown their interest, and a program for engaging ActionAid Malawi's youth is being readied. We hope to see the first volunteers join Malawian schools already in 2017.

E-waste disposal

In order to fulfil our responsibility of at least 100% take-back of ICT equipment (similar or equivalent to the donated equipment), defective equipment has been collected in a depot in Lilongwe. We are planning to ship this equipment to an African e-waste processing facility, most likely in South Africa.

LCRS v3

We welcome new volunteers who have started working on the new version of the open source refurb platform. As new equipment, incompatible with LCRS v2, becomes more common, we are ready to launch the upgraded software in the near future.

Mzuzu University student lab

Economy of reuse: Some things don't figure

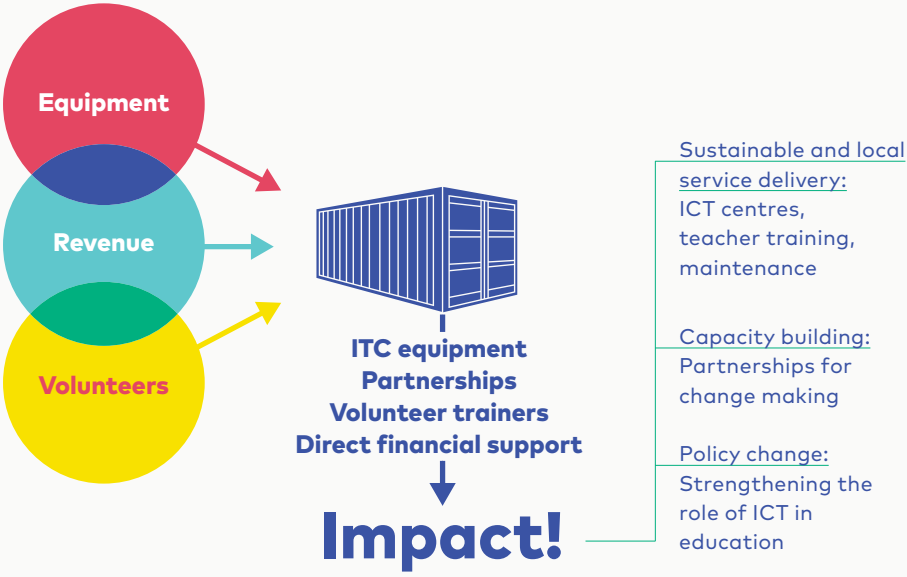
Since establishment, we have refurbished and shipped 2280 computers. This is one of the most important measurable results of our activities, but this activity doesn't figure in our conventional financial figures. **Some things don't figure!**

Benjamin Bach, chairman of FAIR comments: »A very modest estimate would say that the computers (laptop or desktop + screen) have a market value of at least 500-1000 DKK. This sums our activities to roughly speaking DKK 1-2 mio ($200k-$400k).«

Because 2016 was a year of transition and low activity, we only refurbished roughly 200 computers, which can be valued at DKK 100k-200k. Adding 185 screens, the figure may easily be as high as DKK 300k. Looking at our financial results, we see that excluding an extra-ordinary funding, we have managed to produce refurbished values that exceed our expenditures at least 2x. Looking at the summarized costs for the companies that have supported us, their contributions have multiplied by a magnitude of 4-5x their financial contribution.

Growth factors

Our model targeted at businesses is crafted so that we can receive more equipment and grow our impact at the same time. It's quite easy to find orphaned (free!) ICT equipment, but much



harder to build an organization that reconditions the equipment and sustains educational projects at the same time. This is why we have chosen a model as a civic society and social enterprise.

If we can balance the inputs of equipment, revenue and volunteer support, there's plenty of potential to fulfill our mission. Having set a responsible milestone, we encourage support in all areas of our work to help us grow our reach towards improving access and impact of ICT in Malawi.

Result 2016

In 2016, we produced a positive result because a grant was budgeted for implementation in 2017. Thus, this result will feed a budgeted deficit in 2017. All figures are in DKK exl. VAT.

Balance 2016

As of 2016-12-31 our assets and liabilities are DKK 224,403, of which our equity is DKK 202,403. The goal of FAIR is not to own assets, nor to have an unstable

economy. We are therefore happy with the current situation.

The financial audit of 2016 was concluded without any remarks by state-authorized accountant Thorvald Rein and may be downloaded from:

www.fairdanmark.dk/da/om-os/aarsrapporter/

Expenses	
Workshop rent, DK	115,120
Workshop utilities, DK	3,687
Malawi activities	18,242
Audit	5,000
Other	2,768
	144,817
Income	
Foundations	200,000
Memberships	2,150
Company one-time donations	9,350
Other donations	6,400
Partnerships	45,447
Sales	23,366
	286,713
Result:	**141,896**

Supporters

Foundations

The main enabler of our transition phase has been **InterKulturelt Center** (ikc.dk), granting FAIR with funds that have helped us to make plans to improve and renew our capacity both in Denmark and Malawi. IKC has been vital to the past year's development in FAIR.

Also thanks to: **Genbrug Til Syd**, **Lauritzen Fonden**, and **Globalt Fokus**.

Company partnerships

We thank **Novasol**, **MissionPharma**, and **Fredensborg Forsyningen** for their long-term partnership commitments, and **OperateIT**, **Stepahead**, **Unilabs**, **Situs**, **Operation Dagsværk**, and **AAB Silkeborg** for their donations of equipment and operation costs in 2016-17. Their interest and support have helped us through a tough transition phase, and we urge more companies to join them.

Individuals

Thanks to all the activists participating in the daily work in FAIR: Ove, Marthe, Philip, Benjamin, Pieter, Luiza, Jesper, and Hanne.

Thanks also to the many people who showed up for the reconstruction of our workshop, and people who have shown up for our refurbishment work weekends.

Thanks to Morten & Kiss from K-O-N-T-O.dk for their incredible commitment to the new Workshop.

Finally, a very big special thanks to our former chairman and executive director, **Bent Blindbæk**, who has retired from his position. Bent founded FAIR Denmark as a sister organization of FAIR Norway in 2008.

Andreas Hammershøj for the logo for LCRS.

Thomas Elsted for doing the layout for this awesome very first annual issue that we hope to make more of in the future.

Zahi Asa from The Noun Project for the container icon used in the illustration on page 42.

LetsGo for their fantastic car sharing platform that enables us to pick up equipment and have flexible access to the vehicles we need.

Enavn.dk for web servers

Stena Recycling for handling e-waste in Denmark

All in all, we are proud of what we have achieved and we thank all of our friends and partners that helped us make it this far. We are inspired to continue our work and hope that you will join us on this exciting journey into refurbishment, education and development.

Thank you!

Our name FAIR is short for **Fair Allocation of Infotech Resources**, and since 2010 we have collected, refurbished and shipped ICT equipment from Denmark to Malawi. This is our modest contribution to bridging the vast gaps in educational opportunities caused by global inequality.

Through these years, we have sent 5 shipping containers of ICT equipment to Malawi. It's not a lot compared to the unmet need, so when we talk about our achievements, we are also emphasizing the capacity and potential that's been built – a capacity to scale our operation.

This little booklet is about what FAIR has done, and how we want to continue to do it. It's also our first annual report in this format. It has been co-written by volunteers, and in all modesty, the final objective is to warmly invite partners, sponsors and volunteers to help us on our mission!

fair

Fair Allocation of Infotech Resources

www.fairdanmark.dk