

Editorial



This time round we have lots to report from Ethiopia. At the start of the year a new member who is willing to work on site joined the Ofenmacher. Joachim Wiesmüller travelled to Alem Ketema for the first time in March with Christoph Ruopp. He came back with a bunch of analysis results and proposals.

In June both set of again to implement the proposed organisational changes and to hold another training. We think a great step forward has been made. Read Joachim's report in this issue.

That's a good trigger for us to present the processes with which we manage and monitor stove building on site. Especially as the projects are executed far from our headquarters and seldom in simple environments, we take care to define the processes clearly. Each year thousands of stoves are built under the auspices of the Ofenmacher. Each should be reliably documented. With our tools and methods we have a clear overview and can prove at any given moments how your donations are being used.

Have fun reading!

Dr. Frank Dengler, Chairman

Stove-Counter June 2016 - altogether **49 971** smoke-free stoves in Nepal
including 7 141 rocket stoves for aide shelters

Our Man in Alem Ketema

Joachim Wiesmüller



I am a genuine Lower-Bavarian from Deggendorf. That's where I was born in 1954. I lived there till completing my secondary education. I studied mechanical engineering at the Technical University of Munich. My career began in 1980 at MBB but at the end of 1982 I had the good luck to take an opening at BMW.

I was car mad. Apparently the first word which I spoke was "Ao" an abbreviation of "Auto" the German word for car. Apart from a couple of years working in the IT department my focus was always the overall vehicle. BMW was and is a fascinating company which engrossed me. Nonetheless, or perhaps for exactly that reason, I really enjoy the freedom I now have in early retirement.

My goal was always to use this freedom to support other people. To me it seems that helping others is the richest reward one can have. One develops from

being a visitor or observer to being a participant and learns to see things with different eyes. Even small, steps of solid progress please me greatly; so I was carefully curious when Matthias Warmedinger a friendly colleague broached the idea that I could be active for the Ofenmacher.

I had already heard of the Ofenmacher, as I had earlier worked with Katharina Dworschak and Frank Dengler; so I knew of their commitment. Since January I have been a member of the Ofenmacher and was pleased to join the project in Alem Ketema, especially as Luc Maystadt is currently very tied up with office work. At the end of February I was on site for the first time together with Christoph Ruopp. That really brought the aims of the Ofenmacher home to me: our work leads directly to healthier lives in a more sustainable form. Through the close interworking I gained first insights into the rich culture and dignity of these endearing and curious people.

After first encouraging steps my heartfelt desire is to make a lasting success of the project in Alem Ketema. That will certainly not be the end of the Ofenmacher's work; so I also look forward to working in other regions or on other topics together with the Ofenmacher.

Joachim J. Wiesmüller

New Drive in Alem Ketema

Report from Ethiopia

The project in Alem Ketema was started in 2013. In 2015 stove makers were in action for the first time leading to great success:

- Thirty-four stove makers received theoretical and practical training from Luc Maystadt, Christoph Ruopp and Nils Hasenfuss in 2014/15.
- Christoph Ruopp developed the new, more economical clay stove model "Chigr Fечи" (c.f. Chulo Herald 10/2015), which can be built completely with materials available on site.

- Autumn 2015 Christoph Ruopp furthermore managed to get authorization for building the “Chigr Fechi” from the Ethiopian Ministry of Water, Irrigation and Electricity, that’s the ministry which oversees the local Energy Offices.
- Stoves were built in schools, hospitals and various public sites for demonstration and marketing purposes.
- We also got to know Abebaw Birhanu a dedicated, well-connected and competent co-ordinator.

Nonetheless stove production stagnated at the turn of the year 2015/16. The best time of year for stove building passed unused.

The district of (Woreda) Merhabete with its capital Alem Ketema houses 26.000 families who will not be connected to the electrical grid in the foreseeable future. The 100 stoves constructed by the end of 2015 is not satisfying in comparison. Of the 34 stove makers who received the initial training only 8 were interested to take up work, a great disappointment after the many successes earlier in the year.

Thank heavens that Christoph Ruopp did not despair. He and I researched the situation together at the beginning of March and recognised opportunities to improve things.

- As long as the volume of stoves is low, stove making is too costly to be of interest to the stove makers. We responded with higher payments in the ramp-up phase. We also handed mobile phones to the stove makers so that they can save useless foot walks.
- In line with the 26 000 households without electricity we must reach a new dimension of stoves built annually. The goal is 1 000 stoves per year from 2017. To this end we have a stable base our full time employee Abebaw Birhanu. Now we need more staff and more stove makers.
- We have signed a contract with the county for logistic support for stove building and assistance to help us achieve our goals. The county health services have launched an education offensive in the villages and in close co-operation with Abebaw Birhanu as well as village elders started the search for suitable women in need (divorcees or widows with children to support) as possible stove makers.
- Representatives of the county and of the city of Alem Ketema could be won over as members of the board of the local organisation.

With these achievements as a starting point Abebaw Birhanu, Christoph Ruopp and I held a seven day training for 36 new stove makers at the beginning of June. We were delighted to have 36 trainees and especially by their commitment, ever one of them completed the course. The County Administrator on of Merhabete and the Mayor of Alem Ketema were patrons.

Thanks to the large number of students we were able to engage our eight experienced stove makers as trainers and split the group into eight teams to show our esteem and give them more responsibility.



The mayor of Alem Ketema, Desta Andarge (left), and the district administrator of Merhabete, Zewde Asefa, cutting bread as highlight of the opening ceremony.



The most experienced stove maker Yeshewatsehay Delegn and Hulumtaye Birhane. On the left Joachim Wiesmüller and our project leader on-site, Abebaw Birhanu

Each trainee built two stoves together with his class in the course of the training. One training stove built in the school which was subsequently removed and the other was built for a customer.

The mostly practical training was interspersed with theory for instance: arguments for smoke-free stoves (avoiding accidents and health risks, halving the wood required for cooking and clean living quarters), the properties and quantities of materials required, relevant tools, sales pitches advertising ideas etc.

Upon successful completion of the course all participants received a certificate from the vice-mayor.



Hulumtaye Birhane making finishing touches to a stove together with his group



After training for the customer the stoves were fired up for the first time.



The vice-mayor Birkabirk Teshome hands over certificates for successful completion of the training

As the rainy season begins in Ethiopia at the start of July the most important point to determine success of the training was whether the participants started work immediately after the training. To our great satisfaction each of the newly qualified stove makers built at least one stove in the three weeks after the training. Altogether about 50 stoves were built by the new stove makers during and after their training. The experienced stove makers built nearly 30 more stoves 70 to 80 stoves in the first six months of 2016!

This makes me confident that activities will be resumed successfully after the rainy season in September. But of course, we will have to continue supporting the local stove making team from Munich.



Christoph Ruopp (left), Abebaw Birhanu and Joachim Wiesmüller celebrated the large group of newly qualified stove makers

Joachim J. Wiesmüller

The Stove Monitors

How we administer the stoves

The few stoves built each month in Kenya and Ethiopia are easy to monitor. We know every stove maker personally and can visit each stove ourselves. Hopefully that will change shortly. We want to achieve monthly figures similar to those reached in Nepal. There around 100 stove makers build about 1000 stoves each month. Things have to be more formal to handle this. Our goal is to keep an overview of the number of stoves built to be able to inform our donors how their donations are being spent. For us in Germany it is important that all projects work and report to us according to common principles. Therefore we are busy introducing the system in Kenya and Ethiopia which was developed for Nepal together with Anita Badal and Christa Drigalla.



On the door frame one can find...

Each stove receives a unique ID which is written on a small plate attached to the door frame of the customer's premises. The two letters are the initials of the stove maker. So field workers can easily see which houses contain stoves and who built them.



... the stove-ID

A picture showing the customer and the plate is required as further proof that a stove has been built. If you ever wondered why we periodically request donations of old digital cameras,

now you know why. About 150 stove makers now work for us. They all have to document their work. Furthermore many cameras are not well suited for use in the rough conditions



Standard-Photo showing Stove, ID and the Owner

found in Nepal. Apart from anything else contact with wet clay is inevitable and this alone destroys many a camera.

Some of the pictures are taken with cameras which record geo-coordinates allowing anyone to [check precise locations in the internet](#).

Of course the photo alone is not sufficient proof. Each owner completes a so-called "user contract" which includes statistical data of interest especially to the authorities, and above all required by the Nepalese Alternative Energy Promotion Centre (AEPCC). In the regions registered for the envi-

स्वस्थ चुलो नेपाल

Die Ofenmacher e.V.

चुलो संकेत नं. XM: 0007 तयार भएको मिति 072-3-12

अनुदान रिसिप्ट

मेरो घरमा बनाइएको थुवाँ रहित चुलो "स्वस्थ चुलो नेपाल" नामक गैर सरकारी संस्थाले बाता Die Ofenmacher e.V., Germany को आर्थिक सहयोगमा "थुवाँरहित चुलो कार्यक्रम" अन्तर्गत बनाएको एकमात्र चुलो हो। मेरो लगानी (ने.रु 200) गैर मानसामान र ज्याला सहितको चुलोको सम्पूर्ण खर्च बीचको फरक अनुदान स्वरूप सहमतिपत्र प्राप्त गरे।

यसको अनिश्चित म 2017/08/02 चुलोको प्रयोगकर्ता यसै सम्झौता माफत हरितगृह ग्यास उत्सर्जनबाट प्राप्त हुने सबै कानुनी अधिकार गैर सरकारी संस्था "स्वस्थ चुलो नेपाल" वा ति निष्कारिस गरेको सन्ध्यालाई हस्तान्तरण गर्न सहमति प्रदान गर्दछु। यसको साथै म, चुलोको प्रयोगकर्ता आवश्यक कागजात तयार गर्ने, लागू गर्न तथा उत्सर्जन न्यूनिकरणका अधिकारहरु गैर सरकारी संस्था "स्वस्थ चुलो नेपाल" वा निजले सिफारिस गरेको सन्ध्यालाई हस्तान्तरण गर्ने अन्य सम्बन्धित कार्यहरु गर्न सहमत छु।

थुवाँ रहित चुलो धनीको नाम : राम १० रिक्त

उमेर २३ वर्ष पेशा कृषि महिला पुरुष

नागरिकता नं : नेपाली

ठेगाना : सुर्खेत-२ (कानापोखरा)

जिल्ला : सुर्खेत

गा.वि.स./न.प्र. : सुर्खेत वार्ड नं. : ३

जात जाती : ब्राह्मण/क्षेत्री जनजाती बलीत मुस्लिम मधेशी अन्य

परिवार संख्या ३ पुरुष २ महिला १ साक्षर १ वर्ष मुनि १

६ वर्ष मुनि ० स्कुल बालबालिका १ स्कुल नगएका बालबालिका ०

दस्तावेज : फारम

सुधारीएको चुलोको विवरण

एक मुख दुई मुख तीन मुख रकट अन्य

रज सामान सतह

प्रबंधकको नाम : राम १० रिक्त चुलो संकेत नं. XM: 0007

प्रबंधकको सही : [Signature]

User Contract (Nepal)

स्वस्थ चुलो नेपाल

Task List

वार्ड नं. ३

विष्णु शर्मा तामा

Date	Chulo ID	Name	Family members	Address	Telephone	Amount Paid	Signature	Remarks
2017/08/02	0007	राम १० रिक्त	३	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0008	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0009	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0010	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0011	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0012	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0013	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0014	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0015	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0016	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0017	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0018	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0019	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत
2017/08/02	0020	विष्णु शर्मा तामा	४	सुर्खेत-२	९७७७७७७७	१०००	[Signature]	सुर्खेत

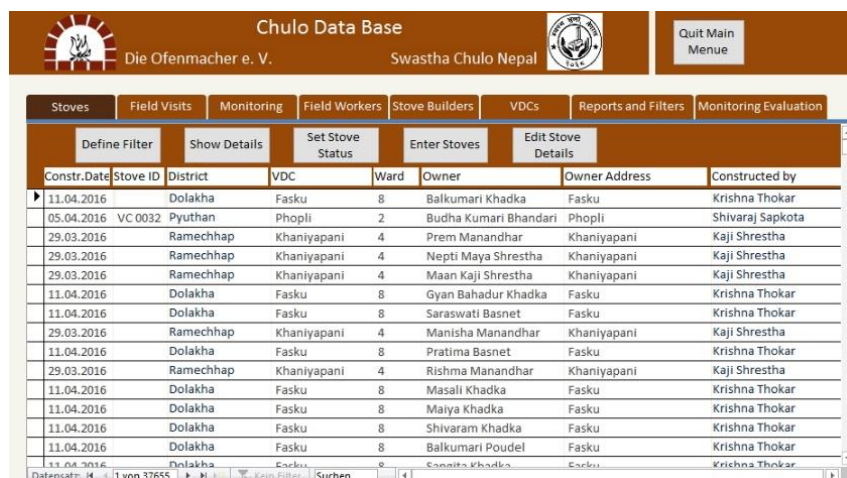
Total of Customers and Representatives: 30

Task List (Nepal)

ronmental protection project the contract has a further function: with the contract the stove owner passes rights to trade CO₂-Reduction-Certificates to the Ofenmacher.

The stove maker also maintains a simple list with names of customers, one per line which must be signed by the customer, the so-called task list. These lists are collected in the offices of our partner organizations documenting the number of stoves built and used as basis for payment.

During the payment process the information are entered into a database. Domi Sherpa is employed in Nepal to handle this for the around 1 000 stoves a month built in Nepal. In the other



Constr. Date	Stove ID	District	VDC	Ward	Owner	Owner Address	Constructed by
11.04.2016		Dolakha	Fasku	8	Balkumari Khadka	Fasku	Krishna Thokar
05.04.2016	VC 0032	Pyuthan	Phopli	2	Budha Kumari Bhandari	Phopli	Shivaraj Sapkota
29.03.2016		Ramechhap	Khaniyapani	4	Prem Manandhar	Khaniyapani	Kaji Shrestha
29.03.2016		Ramechhap	Khaniyapani	4	Nepti Maya Shrestha	Khaniyapani	Kaji Shrestha
29.03.2016		Ramechhap	Khaniyapani	4	Maan Kaji Shrestha	Khaniyapani	Kaji Shrestha
11.04.2016		Dolakha	Fasku	8	Gyan Bahadur Khadka	Fasku	Krishna Thokar
11.04.2016		Dolakha	Fasku	8	Saraswati Basnet	Fasku	Krishna Thokar
29.03.2016		Ramechhap	Khaniyapani	4	Manisha Manandhar	Khaniyapani	Kaji Shrestha
11.04.2016		Dolakha	Fasku	8	Pratima Basnet	Fasku	Krishna Thokar
29.03.2016		Ramechhap	Khaniyapani	4	Rishma Manandhar	Khaniyapani	Kaji Shrestha
11.04.2016		Dolakha	Fasku	8	Masali Khadka	Fasku	Krishna Thokar
11.04.2016		Dolakha	Fasku	8	Maiya Khadka	Fasku	Krishna Thokar
11.04.2016		Dolakha	Fasku	8	Shivaram Khadka	Fasku	Krishna Thokar
11.04.2016		Dolakha	Fasku	8	Balkumari Poudel	Fasku	Krishna Thokar
11.04.2016		Dolakha	Fasku	8	Sanjita Khadka	Fasku	Krishna Thokar

The Stove-Database (Nepal)

countries the local coordinators must do this themselves in the early phase. Analysis of this database helps us manage projects, is a basis for spot checks in the field and also provides the reports required by authorities like the AEPC.

Monitoring covers many activities. For one thing, the spot-checks mentioned above to check whether the documented stoves have really been

built. Field workers also check the quality of the stoves and complete standard questionnaires with the owners to gather their experience and opinions. The next issue will contain a further article on “The Stove Monitors” explaining this process in more detail.

Frank Dengler

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