TEMACC Meeting – Linz, Austria May 31 – June 07 2017

Addis Ababa → Vienna → Linz – Tue. May 30, 2017 – Wed. May 31, 2017

Rahel Bekele and Tesfaye Biru:
Departure at Addis Ababa airport Tue. May 30, 2017 at 23:55
Arrival at Vienna Airport: Wed. May 31, 2017 at 05:20

Christiane Floyd already arrived in Vienna on June 19 to attend the "Treffen der Entwicklungsforscher/ innen" together with Johannes Sametinger. She picks up Rahel and Tesfaye from the airport. After a rest in Vienna, the three of them take the train to Linz, where they check in the hotel and come to the JKU for a first meeting. All the meetings take place in the Science Park 3 building of the JKU.

TEMACC management meeting – Wed. May 31, 2017

Attendees: Tesfaye Biru, Rahel Bekele, Christiane Floyd, Johannes Sametinger

We talk mostly administrative stuff. What have we accomplished so far? What is the exact scope? Who plays which role(s) in the project? What are the responsibilities? These issues are not new, but now that activities have become more concrete, we need to discuss in more detail about such role distributions.

We conclude that we should focus on ante-natal care (ANC) and post-natal care (PNC). Also, in the first step, we will focus on mothers and HEWs, health officers and health professionals will be included later.

TEMACC management: Christiane Floyd, Tesfay Biru, Rahel Bekele
by Johannes Sametinger

The main goal of this meeting will be to have a shared understanding of the project and its challenges, to adjust the scope if necessary, and to make sure the project is on track. In the technical part of the meeting, we will consider technical issues, like requirements, prototypes, etc. Once we agree on the requirements and on the prototype, the Ethiopian team will need to test them with the community (mothers and HEWs) in order to get feedback and comments. This will be a crucial step for sustainability as the end-users must be convinced by the usability and usefulness of the system.

TEMACC management meeting – Thu. June 1, 2017

Attendees: Tesfaye Biru, Rahel Bekele, Christiane Floyd, Johannes Sametinger, Peter Oppelt, Gustav Pomberger, Alois Stritzinger, Anna Dieplinger

We discuss various issues, e.g., the field activities conducted so far by the Ethiopian team and the documentation that they already made on these field activities. The Ethiopian team also reports about the use of a small prototype mobile application that they developed for usability testing by mothers and HEWs. This test helped in selecting mothers and HEWs for project involvement.

We later decide that we need to have different teams in the TEMACC project that overlap, i.e., some people belong to several teams.

Alois Stritzinger, Gustav Pomberger, Peter Oppelt, Christiane Floyd, Rahel Bekele
by Johannes Sametinger

- **Management team**
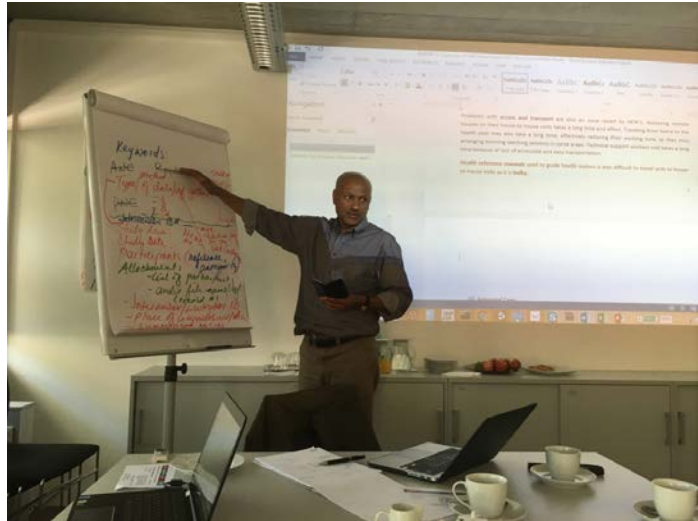 The team that is currently meeting.
- **User study team**
  Led by Rahel Bekele, responsible for communicating with users and finding out what they need.
- **Content design team**
  Led by Robel Yirgu and Peter Oppelt, responsible for identifying content to be used in the project.
- **Software development team**
  Led by Tesfaye Biru, responsible for all development issues.

Johannes Sametinger, Tesfaye Biru, Peter Oppelt, Gustav Pomberger
by Leonie Sametinger

We also have to check more administrative issues like travel expense reports, and a work contract with Tesfaye as designated in the project application.

Dr. Anna Dieplinger joins us in the afternoon. As an expert in nursing science and practice, she may guide Robel Yirgu in his PhD project on providing content for the Temacc project and later on evaluating the effectiveness of its use.

Fri. June 2, 2017 – TEMACC management meeting

Attendees: Tesfaye Biru, Rahel Bekele, Christiane Floyd, Johannes Sametinger, Peter Oppelt, Gustav Pomberger

We continue our discussions, for example on the need of video production, which will be useful for the mothers and HEWs. Although we have content experts like Robel, we are not experts on how to design videos or caricatures that may be helpful in primary health care. Video production might be expensive and we may not have given it enough thought when preparing the project application. Anyway, first we need to select suitable content, e.g., existing booklets that are in use, and then decide on how to process that content for use in TEMACC.

Tesfaye Biru
by Johannes Sametinger

In order to process this content, the software system has to be developed. Yet, there are still some open issues, for example: Which communication channels should we support? Which hardware will we use? Should we develop a web-based system or concentrate on mobile apps? In a first step, we have to clarify the requirements to the system. The next step will be to extract these requirements from the documented reports that we already have. The user study team will restructure the reports from the field activities and work out the user scenarios to be used by the software development team.

In the planned October meeting in Addis Ababa, we should have content selection and a plan of how to process this content, updated field reports and user scenarios, deducted system requirements and a working prototype for testing with the end-users.

Sat. June 3, 2017 – Mon. June 5, 2017 – Whit weekend

Christiane Floyd, Rahel Bekele and Tesfaye Biru spend the weekend in Vienna, where they pick up Henock Lulseged from the airport, who arrives from Addis to attend the subsequent development meetings.

Henock Lulseged:
Departure at Addis Ababa airport Sat. June 3, 2017 at 23:10
Arrival at Vienna Airport (via Frankfurt): Sun. June 4, 2017 at 08:10

Tue. June 6, 2007 – TEMACC development meeting

Attendees: Rahel Bekele, Tesfaye Biru, Henock Lulseged, Christiane Floyd, Johannes Sametinger, Peter Oppelt

We discuss various development issues, e.g., how and where to procure hardware. We will later have to check this with Appear and the JKU administration.

In order to get the content group on track, we decide that Peter Oppelt will make a short trip to Ethiopia in order to meet with Robel Yirgu and HEWs in the Butajira area and select needed information vor the phases ANC/PNC, e.g., hygiene, nutrition.

We also define that the documents we have so far about interviews and road trips need to be extended with meta-information in order to ease access to information provided in these documents.

Gustav Pomberger, Christiane Floyd, Peter Oppelt
by Johannes Sametinger

Other issues include the number of servers needed and where to place them. We conclude that it's best to have server(s) at the development site, at least during development time. Later it will mosts likely be moved to the regional health adminstration.

Software platforms have already been evaluated by the development team, e.g., Docker, Java, Ruby, GIT.

We also discuss a layered system architecture with a database at the bottom, contents and procedural logic on top, and users on the very top.

Tesfaye Biru, Christiane Floyd
by Johannes Sametinger

Wed. June 7, 2007 – TEMACC development meeting

Attendees: Rahel Bekele, Tesfaye Biru, Henock Lulseged, Christiane Floyd, Johannes Sametinger

We discuss various development issues like hardware and software platforms. We conclude that we have underestimated the effort needed to develop a sustainable system. As planned with the given budget, we will be able to build a decent prototype, but it will be difficult to use this prototype for everyday use and even roll out its use in other areas of Ethiopia. G. Pomberger says that he will try to get some additional funding for the development of the software system, so that our efforts will have a better chance of sustainability. Having additional funding would also allow us to consider, e.g., security issues that are important should the system ever be rolled out and be used after the end of the project. Hennock Lulseged could then do his PhD on this subject.

Rahel Bekele, Henock Lulseged, Tesfaye Biru
by Johannes Sametinger

In order to plan for such an additional development effort, Tesfaye Yirgu will make an estimate of additional funds needed until August.

Besides the short trip of Peter Oppelt in August to Ethiopia, we plan to have our next meeting in the first week of October in Addis Ababa again.

Johannes Sametinger, Henock Lulseged, Rahel Bekele, Tesfaye Biru, Birgit Breitschopf
by unknown passersby

Thu. June 8, 2007 – Fri. June 16, 2017 – private affairs

Attendees: Rahel Bekele, Tesfaye Biru, Henock Lulseged, Christiane Floyd (in part)

Fri. June 16 2017 – Vienna → Addis Ababa

Rahel Bekele, Tesfaye Biru, Henock Lulseged:

Departure from Vienna airport: Fri. June 16 2017 at 22:50

Arrival at Addis Ababa Airport: Sat. June 17, 2017 at 06:00