

## **2015-10-09 WaSH Workshop Minutes**

PDG Reinhold Hocke – Welcome remarks and introduction of speakers

IPDG Regina Risken D 111 MN

Professor Frechen University of Kassel

Mrs Marianne Großpietsch

All power point presentations are attached to the minutes

### **IPDG Regina Risken Presentation and introduction of Uganda Water Project,**

The questions to her presentation were answered as follows:

10 Water Tanks were built 5 toilet containers and 5 water wells were drilled

All necessary material and equipment was taken in Uganda, the training of woman

Arche Nova NGO founded in Dresden GE 1993 responsible for worldwide water projects

### **Prof Hans Bernd Frechen University of Kassel, Head Deptmt of Sanitary and environmental engineering**

Introduction of different water sanitation systems with a focus on membrane sanitation, leading to the introduction of the development of PAUL (portable aqua system for life saving)

Introduction of PAUL, how the system works and ways to operate the system

1800 PAUL systems are worldwide distributed within the last 10 years sponsored by NGOs

With the focus on costs PAUL is more cost efficient than any other system for water sanitation

Questions are answered as follows:

Cleaning the membrane will be conducted through an outlet at the bottom of PAUL

Water tests are continuously taken at the Kassel University, tests on operating filters are conducted on site. There is a proof of 99% reduction of bacteria.

Sodis requires a greater organization – For water sanitation systems the right solution has to be taken to the challenge

Depending on situation the filter needs to be cleaned using fresh water, cannot be compared to GE drinking water standards however, the water is drinkable

### **Mrs Marianne Großpietsch Shanti Lepa Help Organization**

After referring to the topographical and environmental situation at Nepal the problem of water contamination in Kathmandu and the small Himalayan villages is introduced.

Ways of solving the problems of water contamination resulting from the earthquake and following monsoon rainfalls by PAUL are introduced.

Statement from Audience, the collection of funds to donate PAUL within GE LCs are not the problem, the distribution of the filters will be the main problem.

PDG R. Hocke gives closing remarks thanking all speakers and audience for attending the workshop. He invites everybody to attend the think tank Saturday morning 09:00 at the Stadtwerke Room.