

CURRICULUM VITAE

1. **Family name** : **HARTUNG**
 2. **First names** : **Hans Friedrich**
 3. **Date of birth** : **19.01.1951**
 4. **Passport holder of** : **Germany**
 5. **Residence** : **Germany**
 6. **Education:**

| Institution [date from-to] | Degree(s) or Diploma(s) obtained: |
|---|--|
| University of Waterloo (Canada), 1974 - 1977 | M.A.Sc. (Master of Applied Science) 1977 (mechanical engineering, systems design) |
| University of Karlsruhe (Germany), 1969 - 1974 | Dipl. – Ing. 1974 (mechanical engineering, emphasis on hydraulic machines) |

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

| Language | Reading | Speaking | Writing |
|----------------|---------|----------|---------|
| German | 1 | 1 | 1 |
| English | 1 | 1 | 1 |
| French | 1 | 2 | 2 |
| Spanish | 2 | 3 | 3 |

8. **Membership of professional bodies:**

Chairman of Tauberkraft GmbH, operating agency of hydropower plants;
 Chairman of RegEnTau GmbH, renewable energies, concepts and planning;
 Chairman of the Vorbachmuehle Association, awareness creation, one world issues;
 Member of the German Appropriate Technology Association;
 Co-founder of the "Weikersheim Energy Concept" participative approach
 former Vice-president International Rainwater Catchment Systems Association

9. **Other skills:** (e.g. Computer literacy, etc.)

Excellent knowledge of Word, Excel and Powerpoint

10. **Present position:**

Independent consulting engineer, associated with Margraf Publishers, Weikersheim

11. **Key qualifications:**

Organisational/Technical consulting mainly for Water and Sanitation Sector Reform Programmes and Renewable Energies; emphasis on participative, integrated and holistic solutions

Extensive Evaluation & Assessment experience (for GIZ/GTZ, EU, ECHO, InWEnt Germany, BMZ, SDC Switzerland, ADA Austria, NGOs, Lutheran World Federation and other church based organisations) of development programmes/projects and humanitarian aid/post-crisis programmes

Online-training (E-learning) and interactive platforms: concepts, realisation and moderation/tutoring

Training of trainers, development workers and management personnel of utilities

Expert in MAPP (Method of Assessment of Projects and Programmes) impact assessment

Organising conferences, study visits, seminars, workshops and lectures on water/sanitation/renewable energy/management topics

12. Specific experience in selected countries:

| Country | Date from – to |
|---------------------|--|
| Albania | 2015 |
| Burkina Faso | 2006, 2007 |
| Burundi | 1990, 1991, 1992, 2009, 2011, 2013, 2015 |
| Cameroon | 2006, 2009 |
| China | 2007, 2010, 2014 |
| Dominican Rep. | 2006 |
| Egypt | 1994, 1996, 1998, 2005, 2010, 2011, 2014 |
| Ethiopia | 1996, 1998, 2008, 2009, 2010, 2011, 2012 |
| Ghana | 2004, 2005, 2007, 2009, 2013 |
| Guinea-Bissau | 2013 |
| India | 1996, 1998, 2001, 2002 |
| Indonesia | 1992 |
| Japan | 2001 – 2004 |
| Jordan | 2000, 2003, 2011 |
| Kenya | 1998, 2000, 2002, 2005, 2006, 2008, 2009, 2011, 2013, 2015, 2016 |
| Korea | 2004, 2007 |
| Lebanon | 2003, 2004, 2005 |
| Malawi | 1999, 2002 |
| Morocco | 2005, 2011, 2014 |
| Namibia | 2002, 2004, 2014 |
| Palestine | 1995, 2003, 2011, 2012 |
| Rwanda | 1989 – 1994, 1996, 2001, 2006, 2008, 2015 |
| Senegal | 2013 |
| Somalia | 1983-1985, 1986, 1987, 1994 |
| Somaliland | 1996 |
| South Africa | 1997 – 2005 |
| Sri Lanka | 1998 |
| Sudan (South Sudan) | 2007, 2009, 2010, 2012, 2014, 2015, 2016 |
| Syria | 2004, 2005 |
| Tadshikistan | 1994, 1996 |
| Thailand | 2008 |
| Tanzania | 1992, 1994, 1999, 2005, 2012, 2013, 2014, 2015 |
| Tunisia | 2004, 2012, 2013, 2014 |
| Yemen | 2007 |
| Uganda | 1989, 2002, 2005, 2006, 2007, 2008, 2009, 2011, 2012, 2014, 2015, 2016 |
| Uzbekistan | 2008 |
| Zaire/R.D. Congo | 1990, 1992, 2008 |
| Zambia | 1996, 2000 – 2004 |
| Zimbabwe | 1992 - 1998, 2002, 2003, 2010 |

13. Professional experience (a selection)

| Date from-to | Location | Company & reference person (name & contact details) | Position | Description |
|-------------------|------------------------|--|---|---|
| 11/2015 | Germany | GIZ, Dr. Brigitta Meier, brigitte.meier@giz.de | Consultant, facilitator | Good governance of the water and sanitation utilities in South Sudan ; concept and accompaniment of a study tour for Ministry personnel, utility managers and their board of directors and mayors to discuss governance issues with relevant German institutions. |
| 7 – 10/2015 | Germany | Caritas Switzerland, Manuela Born, mborn@caritas.ch | Evaluator for the Caritas water portfolio | Meta-evaluation based on existing external project evaluations, internal reports and reviews as well as interviews with key staff and key personnel of the sector |
| 5/2015 | Germany | Margraf Publishers & GIZ, D.Schaefer, dlrk.schaefer@giz.de | Training course developer | Developing a training course for ensuring best practice in Wastewater Treatment for key staff and stakeholders within the Kenyan programme "Upscaling of Basic sanitation for the Urban Poor" |
| 5 - 8/2015 | Albania | Austrian Development Agency, Margit Scherb, Margit.Scherb@ada.gv.at | Evaluator of the Balkan water sector | Ex-post impact assessment: Environment in SouthEast Europe 2007 – 20013, responsible for the water portfolio of the Austrian Development Agency; Visit of Albanian water projects, MAPP exercises and interview with key water people in the country. |
| 12/2014 – 7/2015 | East African Community | Hydrophil, Gerald Eder, g.eder@hydrophil.at | Team Leader | Development of a detailed gap analysis and assessment on technical capacity development measures for small hydropower energy production in the East African Community as basis for an action plan and a training content outline. |
| 11 & 12/2014 | Germany | Sustain Water Med/GIZ, Dr. Ismail Al-Baz ismail.albaz@giz.de | Head - tutor | E-learning course: Sector Governance for Urban Sanitation, Renewal of the course and accompanying water leaders of MENA water and sanitation utilities in the course, responsible for webinars, assignments and tests |
| 02/2014 | MENA countries | GIZ, Dr. T. Petermann, thomas.petermann@giz.org | Consultant, Moderator | Water Sector Reform in Arab Countries: Rapid survey on "good practises" in energy management in Egypt, Tunisia and Morocco; moderation of a Seminar „Auditing for energy Efficiency in Water Supply and Wastewater Utilities – Concepts and applications" for the energy task force of ACWUA, the Arab Countries Water Utilities' Association. |
| 08/2013 - 01/2014 | China | Margraf Publishers & Bread for the World, Dr.B.v.Reden, bettina.vonreden@brot-fuer-die-welt.de | Trainer | The overall task of the consultancy and the workshop was to support the development of interactive education websites and e-Learning courses and how to raise the acceptance of distance learning by the public. Both PEAC and CANGO (NGOs) want to improve their e-learning courses to raise awareness on pesticide alternatives for farmers and basic knowledge on climate change in schools. |
| 11/2013 | Germany | GIZ, Gabriele Lames, gabriele.lames@giz.de | Lead trainer | Concept and implementation of a training on "climate resilient development in the local context" and a study tour on water and climate change for the Lake Chad Basin Commission. |
| 10/2013 | Tanzania | Margraf Publishers & GIZ, Heiko Heidemann, heiko.heidemann@giz.de | Trainer | Water Sector Reform Programmes in East Africa: Concept and organisation support of the Good Practices Conference of the 6-years WAVE programme for capacity building in water and wastewater utilities of East Africa. Trainer for the refresher course on good governance in sanitation for East African in-house trainers of water and sanitation utilities. |
| 7/2012 | Germany | GIZ, Dieter Anders, dieter.anders@giz.de | Lead trainer | Concept and implementation of a training and study tour of the African Ministers' Council on Water (AMCOW) TAC-Delegation on good governance for "Water Security and Climate Resilient Development" |
| 5 & 6/2013 | Ghana | Swiss Development Corporation, Christian Eggs, christian.eggs@deza.admin.ch | Team Leader | Evaluation of the International Rainwater Harvesting Alliance (IRHA), its awareness raising and knowledge exchange, the networking activities and its project work for schools in Northern Ghana |

| Date from-to | Location | Company & reference person (name & contact details) | Position | Description |
|-------------------|--------------------------------|---|----------------------------|--|
| 4/2013 | Germany | GIZ, Heiko Heidemann, heiko.heidemann@giz.de | Lead trainer | Concept and implementation of a study tour and workshop on good governance in Energy efficiency and Renewable Energies in the Water Sector – Learning from International Experience and Practice –with 25 experts from MENA countries and East Africa |
| 11/2012 | Tanzania | Margraf Publishers & GIZ, Heiko Heidemann, heiko.heidemann@giz.de | Trainer | Water Sector Reform Programmes in East Africa: Concept of a 3 phase “Training-of-Trainers” initiative for 24 in-house trainers of water and sanitation utilities in East Africa. Implementation of the 3rd phase on good governance in “Sustainable Sanitation”, where the participants developed up-to-date courses on integrated urban sanitation for their respective workplaces |
| 08 - 11/2012 | Germany | GIZ, Dr. T. Petermann, thomas.petermann@giz.org | Trainer | Training of Egyptian & Jordanian water engineers within the “International Leadership Training” programme in Integrated Water Resources Management and Non-Revenue Water Management |
| 05/2012 | South Sudan | EED Germany, Monika Redecker, M.Redecker@eedsudan.org | Trainer | Training on Outcome and Impact Orientation for the IAS (International Aid Services) “water” project for Northern Bahr el-Ghazal |
| 3/2012 - 2/2013 | Tunisia | GIZ/Dorsch, Thomas De Beyer DeBeyer@dorsch.com.io | Teamleader | Energy Audit & research into energy efficiency for the national water supplier “SONEDE” in collaboration with the National Electricity Agency “AMNE”; training of personnel; study tour in Germany with selected personnel of SONEDE |
| 11/2011 – 02/2012 | Palestine | AGEG/ADA, Frau B. Nasgowitz b.nasgowitz@ageg.de | Team Leader | Mid-term evaluation of the of the project “Building Capacity and Institutional Reform for an Integrated Management of Water and Sanitation Services in Rural Communities” |
| 10/2011 | Bonn/Berlin | GIZ, Dr. T. Petermann, thomas.petermann@inwent.org | Moderator | Moderation of the foundation of the German WASH network and preparation of a contribution at the Bonn Nexus conference (Water-Food-Energy) |
| 09-12/2012 | Weikersheim | GIZ, Dr. T. Petermann, thomas.petermann@inwent.org | E-learning course designer | Concept and design of 2 E-learning courses on “Non Revenue Water (NRW)” for top management of utilities and staff for implementation of NRW campaigns |
| 10/2011 | Kenya | GIZ, Ceas Lafeber, cees.lafeber@giz.de | Consultant | Water Sector Reform Programme Kenya: Faecal sludge management for peri-urban areas of Kenya; bringing stakeholders together and elaborating concepts that are sustainable and look at faecal sludge as a resource and not as waste |
| 04-06/2011 | MENA region | GIZ Feldafing, Dr. Bruno Schuler, bruno.schuler@giz.de | Team leader | Evaluation of the CaMaRI (Capacity Building for Managing for Results and Impact) programme, an extensive joint programme of IFAD and InWent/GIZ for 11 countries in the MENA region to enhance planning, monitoring and evaluation capacity. The evaluation was conducted with a variety of new methods: <ul style="list-style-type: none"> - MAPP qualitative/semi-quantitative analyses - Semi-structured interviews - SWOT-analyses - Internet-based surveys - Women-Empowerment matrix - Workshops with regional and national trainers |
| 10/2010 | Zimbabwe | EU/COWI Jean-Baptiste Lafitte, jela@cowi.com | Evaluator | Mid-Term Evaluation of the Smallholder Micro-Irrigation Development Support Programme (SMIDSIP) of the EU, responsible for capacity building, institutional support, impact assessment and gender. |
| 05-06/2010 | Leipzig/ Alexandria (Egypt) | InWEnt, Dr. T. Petermann, thomas.petermann@inwent.org | Chief trainer | Courses on water utilities’ performance indicators, non-revenue water and commercial and customer orientation for African and Arab water managers |

| Date from-to | Location | Company & reference person (name & contact details) | Position | Description |
|----------------|-----------------------------|---|------------------------------------|---|
| 3/2009 | Uganda, Kenya, Ethiopia | ECHO/AGEG, Beate Neumeyer, b.neumeyer@ageg.de | Evaluator | Mid-term evaluation of the Regional Drought Decision for the Greater Horn of Africa; the objective was to evaluate the achievements of the two Regional Funding Decisions adopted to help reduce drought risks and their potential impact on the vulnerable populations of the region. |
| 06-09/2008 | Uganda, Kenya, Ethiopia | ADA (Austrian Dev. Agency), Elisabeth Foerg, Elisabeth.Foerg@ada.gv.at | Team Leader | Feasibility Study on water education and research in Eastern Africa; the study was commissioned to provide ADA with the necessary information for decision-making concerning the development of a regional water education and research programme, in line with national sector strategies; a web-based exchange platform was installed and exchange facilitated. |
| 2003 – to date | Germany, East Africa & MENA | Margraf Publishers & InWEnt, Dr. Al-Baz, ismail.albaz@inwent.org ; Alexandra Pres, Alexandra.Pres@inwent.org ; Dr. Thomas Petermann, thomas.petermann@inwent.org | E-learning course designer & tutor | Responsible for the concept, implementation and online tutoring/backstopping of InWEnt capacity building programmes & training of e-tutors: - Organisation Development for Water and Sanitation Utilities (for the MENA region & Africa, 6 courses) - Sector Governance for Urban Sanitation (for the MENA region & Africa, 3 courses) - International Leadership Training on sustainable urban management - Middle East TVET policy development & coordination - Private Sector Participation in Water and Sanitation (MENA region & Africa, 2 courses) with face-to-face workshops in Amman (Jordan) and Tunis |
| 06/-08/2003 | Palestine | EED, Church Dev. Service, Joachim Neugebauer, joachim.neugebauer@eed.de | Team Leader/ Evaluator | Comprehensive evaluation of the Palestinian Hydrology Group (largest water NGO in Palestine) |
| 11/2005 | Cairo/Egypt | InWEnt., Dr. Al-Baz, ismail.albaz@inwent.org ; | Team leader/ Evaluator | Evaluation and planning workshop of the SWAMP (Sustainable Water and Wastewater Management Project) for the MENA region. The workshop discussed * the situation of the water sector with regard to training demand in view of the held training courses * Special emphasis was on integration of the training courses into the work place of so that impacts can be concrete and in accordance with the utilities' objectives. |
| 04/2005 | Polokwane/ South Africa | InWEnt, EIB, Alexandra Pres, Alexandra.Pres@inwent.org | Team leader/ Evaluator | Evaluation and planning workshop of the WASAM (Water Supply and Sanitation Management) Programme for Southern Africa |
| 9/2001 | Germany | European Union/Neda/fbr bullermann@fbr.de | Principal organiser | 10 th International Conference on Rainwater Catchment Systems (450 participants, 250 from developing countries) |
| 1998 - 2004 | Southern Africa | InWEnt., Dr. Al-Baz, ismail.albaz@inwent.org ; | Project leader | Water Sector Reform, South Africa: Implementation of management training programmes for urban water/energy supply in Southern Africa. Concept, coordination, participant selection and evaluation of 2 training workshops of 2 to 4 weeks every year with an emphasis on organisational development and other "soft skills" for middle and senior managers, held in South Africa and Zambia. |
| 1983 - 1985 | Mogadishu, Somalia | ERDGS European churches | Technical director | Running the water supply operation for 500.000 refugees, introduction of solar powered and stream-powered pumps, pre-filtering, modular sand filters; German Distinguished Service Cross for the introduction of appropriate technology into the refugee water supply work in Somalia (Jan. 1986) |

Other relevant information (e.g., Publications)

Systemic Organisational Counsellor, (Certificate in 04/2009, 2 years training & supervision)

Certified Coach (2 years training and supervision)

Active participation in 14 **“AQUASAN” workshops** on burning issues in water & sanitation within the development cooperation (**e.g. Opportunities & Challenges for the Water and Sanitation Sector in a Decentralized Context**)

Non-Violent Communication certificates

Regular training workshops on impact monitoring, gender, open space technology, facilitation, organisational development, evidence-based evaluation

Hans Hartung, Local financing mechanisms for roofwater harvesting in Uganda, *Waterlines*, Vol. 24, No. 4, April 2006

H.Hartung & P.Akkermann, Roofwater Harvesting on the coastal islands of Guinea-Bissau, Rainwater tank construction adapted to the local context, to be published