

Dr. Arno Deuker

PhD & Diploma in Agricultural Science (Dipl.-Ing. agr.)



CURRICULUM VITAE

Dr. Arno Deuker

Dr. Arno Deuker at a glance:

- Research project experience at university and in industry
- Management skills acquired in an industrial context
- Interdisciplinary scientific education
- Extensive international work and collaboration experience (France, Paraguay, Spain, Brazil, Rwanda)

PROFESSIONAL CAREER

PERSONAL DATA

Born on 3 February 1968 in Salzburg, Austria
Austrian citizenship
Divorced, two children

PROFESSIONAL PRACTICE

2010 – 2018

STEAG New Energies GmbH, Saarbrücken, Germany
(up until 31 May 2011 EVONIK New Energies GmbH),
Subsidiary of STEAG GmbH for renewable energy with a
turnover of around EUR 300 million (2015) and 940 employees in
Germany and abroad

Consultant at the competence centre Biomass Procurement and
Materials Flow Management

Created price calculations and draft contracts for the substrate
supply of biogas plants, contract design based on cultivation
costs, harvest monitoring, quality management, statistics and
market observation

Coordinated the scientific accompanying research (University of
Applied Sciences Offenburg, Fraunhofer IKTS, German Biomass
Research Centre, Haus Duesse, Federal Extension Services
Rhineland-Palatinate, University of Applied Sciences Neub-
randenburg)

Held responsibility for the laboratory and field trials

Performed field surveys and logged the harvest yield as part of
the project "Alternative Permanent Crop"

Carried out analyses based on official requirements and for the
evaluation of suppliers of waste timber power plants

Issued disposal certificates as recycler and producer including
communication with authorities and troubleshooting

Advised and accompanied German and international research
and investment projects (e.g. at natural wood power plants) as
an expert

2005 – present

Independent Professional Activity (part-time)

"Green Ideas"

Scientific contract work such as the monitoring of invasive pests,
advice and support in connection with EU funding requests from
foreign project owners, presentation activities in the context of
fundraising projects

2002 – 2010

Professorship in Organic Agriculture, University of Gießen, Germany

Emphasis: Agricultural possibilities and nutrient cycles taking into consideration biogas production, biological plant protection and organic production systems

Managed (sub)projects as research assistant:

- The effects of fermentation of biogenic residues in biogas plants on areal productivity and sustainability in a dairy production crop rotation in organic farming.
- Nanofibers as innovative carriers for volatile signalling substances for the biotechnical regulation of insect pests in integrated and organic farming.
- Investigations into the spreading of the western corn rootworm (partly on a freelance basis)

Published the scientific results from the mentioned projects

Planned, performed and evaluated agricultural field trials in a team

Provided technical support for a biogas pilot plant

Planned and developed experimental set-ups

Monitored pest infestations (corn rootworm) in collaboration with the competent authorities

Professional leadership of student employees

Supervised diploma theses as well as bachelor/master theses

2002

Rethmann Entsorgungswirtschaft GmbH Co. KG

South Baden Branch, Buggingen, Germany

Leading German disposal company in an international environment with approx. 10,000 employees, thereof 30 employees on-site

Project manager for the market study "Waste Management and Competitive Analysis in Alsace and Neighbouring Regions"

Researched the market penetration of competitors and the remaining terms of awarded contracts

Gathered regional disposal facilities

Evaluated published disposal tenders with regard to economic viability for the company

Rhenus France, Paris, France

Subsidiary of Rhenus AG & Co. KG. (from 2000 Rethmann International) with an annual turnover of EUR 1.1 million (2001) and approx. 12 employees

2000 – 2001

Branch Manager

Prepared and performed the invoicing for the city of Paris including data collection, review and transfer of the accounting to the parent company

Managed the glass collection for the city of Paris with 1.100 glass containers including responsibility for container cleaning and maintenance

Periodically planned and initiated container exchanges

Drafted and held responsibility for tender documents for follow-up contracts

Disciplinary and professional leadership of employees

Managed the payroll accounting in collaboration with a tax consultant

Cooperated with temporary employment agencies as part of the resource planning

1999

Dispatcher

Recorded the weighing data and the radio-controlled fill level indicators

Created and controlled the daily route planning for the collection vehicles

Carried out container checks together with representatives of the city of Paris

Looked after the complaint management

Elaborated and administrated the emergency plans (demonstrations, events, disasters, etc.)

EDUCATION / TRAINING

- 2013** **Doctorate for PhD in Agricultural Science (Dr. agr.) at the University of Gießen, Germany**
Topic: "Energy Generation in Agricultural Biogas Plants: Potentials and Limits"
- 1991 – 1998** **Study of Tropical Agricultural Sciences at the University of Hohenheim, Germany**
Diploma thesis:
• Storage of staple foods and seeds in Paraguay; Estacion Experimental Chaco Central (GTZ / MAG Project), 1995 - 96: nine months
Internships:
• "Finca El Chelin" in Trapiche, province of Malaga, Spain, 4,5 ha; 1.000 avocado and 500 mandarin trees with micro-irrigation
1997: four months; 1994: six months; 1992: four weeks
• Epting farm, Erdmannsweiler, Germany, 50 ha; dairy cattle breeding, stable average of 8500 kg milk
1993 -1994: six months
• Agricultural experimental station BASF AG Limburgerhof, Germany
1991: three months
Research assistant:
• Institute for agricultural engineering of the tropics and sub-tropics
1998: three months
• Institute for agricultural engineering
1994 - 1995, 1993: each year for a period of three months
- 1988 – 1991** **Apprenticeship as Industrial Mechanic in Operating Technology at BASF AG, Ludwigshafen, Germany**
- 1975 – 1988** **School in Grünstadt / Pfalz, Germany**
(Dekan Ernst School, Leininger Gymnasium)
Qualification: German Abitur (General Qualification for University Entrance)

Other Qualifications:

- IT Microsoft Office, SPSS, EANV (Fritz & Macziol), Merchandise Management System (Pfister)
- Driving licence Class A, BE, MSLT

Further Work-Related Commitment:

2009: Sustainable Energy Europe Project (EU)

Promotional tour sustainable energy (with vegetable oil powered motorbike from Gießen to Agadir)

1998: Brazil; 1988 & 1990: Rwanda

Four-week aid projects involving construction work and electrification