

# CURRICULUM VITAE

## Dr. Arno Deuker

### PERSONAL DATA

Born December 3<sup>rd</sup> 1968 in Salzburg, Austria  
Austrian citizenship  
Married, two children

### PROFESSIONAL PRACTICE

**2019 – present**

**ECO-Conseil S.à.r.l.**

Study and advisory office for waste management and sustainable development

Consultant and scientific researcher

Planning, carrying out, evaluating and documenting waste analyses of different types of waste and material flows for various clients in accordance with national and European law, as well as client specifications.

Creation of waste databases for material flows of various Luxembourg collection systems

Determination of recycling quotas according to national and European law

Creation of forms and documents for the implementation of national laws and directives.

Identification of material flows and estimation of the greenhouse gas emissions associated with these material flows.

Recording waste fractions and the associated costs.

**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  
Neubrandenburg)

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 wood 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 subtropics  
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), ACCESS
- 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