

## CURRICULUM VITAE

### Proposed role in the project:

1. **Family name:** Langergraber
2. **First names:** Günter
3. **Date of birth:** 16.04.1971
4. **Nationality:** Austrian
5. **Civil status:** single
6. **Education:**

Institution [ Date from - Date to ]	Degree(s) or Diploma(s) obtained:
Vienna University of Technology [1990-1995]	Dipl.-Ing. (Master)
Vienna University of Technology and BOKU [1995-1997]	Post-graduate course in Environmental Engineering
BOKU - University of Natural Resources and Applied Life Sciences, Vienna [1997-2001]	Dr.nat.techn. (PhD)

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - not)

Language	Reading	Speaking	Writing
German	1	1	1
English	1	1	1

8. **Membership of professional bodies:** IWA
9. **Other skills:** Computer (Windows and applications, mathematical software, web-page design), Programming languages (Fortran)
10. **Present position:** Post-doc researcher
11. **Years within the firm:** 8
12. **Key qualifications:**
  - *Wastewater treatment (subsurface vertical flow constructed wetlands, small wastewater treatment plants)*
  - *Modelling and simulation wastewater treatment plants (activated sludge plants, constructed wetlands)*
  - *On-line monitoring (UV/VIS spectroscopy)*

### 13. Specific experience in the region:

### 14. Professional experience

*Period* 1997 – 03 / 2001  
*Location* Vienna, Austria  
*Company* IWGA-SIG, Vienna  
*Position* Research Assistant  
*Description* Modelling and simulation wastewater treatment plants (activated sludge plants, constructed wetlands)  
Optimisation of subsurface vertical flow constructed wetlands  
On-line monitoring (UV/VIS spectroscopy)

*Period* 04 / 2001 – 12 / 2003  
*Location* Vienna, Austria  
*Company* IWGA-SIG, Vienna  
*Position* Post-doc researcher  
*Description* Modelling and simulation wastewater treatment plants (activated sludge plants, constructed wetlands)  
Optimisation of subsurface vertical flow constructed wetlands  
On-line monitoring (UV/VIS spectroscopy)

*Period* 1 / 2004 – ongoing  
*Location* Vienna, Austria  
*Company* BOKU, Vienna  
*Position* Post-doc researcher  
*Description* Modelling and simulation wastewater treatment plants (activated sludge plants, constructed wetlands)  
Optimisation of subsurface vertical flow constructed wetlands  
On-line monitoring (UV/VIS spectroscopy)

### 15. Selected Projects

### 16. Other relevant information (presentations & publications)

#### Selected recent publications and presentations

Langergraber, G., Müllegger, E. (2005): Ecological sanitation - A way to solve global sanitation problems? *Environment International* 31(3), 433-444.

Langergraber, G. (2005): The role of plant uptake on the removal of organic matter and nutrients in subsurface flow constructed wetlands – A simulation study. *Water Science & Technology* 51(9), 213-223.

Langergraber, G., Haberl, R. (2004): Application of Constructed Wetland Technology in EcoSan Systems. In: IWA (Eds.): *Proceedings of the 4th IWA World Water Congress*, 19-24 September 2004, Marrakech, Morocco, (CD-ROM, paper no. 116541).

Müllegger, E., Langergraber, G., Jung, H., Starkl, M., Laber, J. (2004): Potentials for greywater treatment and reuse in rural areas. In: GTZ (Ed.): *ecosan – closing the loop; Proceedings of the 2nd International Symposium on ecological sanitation*, 07-11 April 2003, Lübeck, Germany, pp.799-802.

Lechner, M., Langergraber, G. (2004): Cost comparison of conventional and modern sanitation solutions. In: GTZ (Ed.): *ecosan – closing the loop; Proceedings of the 2nd International Symposium on ecological*

*sanitation*, 07-11 April 2003, Lübeck, Germany, pp.211-218.

Langergraber, G. (2003): Simulation of subsurface flow constructed wetlands - Results and further research needs. *Water Science & Technology* 48(5), 157-166.

Langergraber, G., Haberl, R., Laber, J., Pressl, A. (2003): Evaluation of substrate clogging processes in vertical flow constructed wetlands. *Water Science & Technology* 48(5), 25-34.

Langergraber, G. (2003): Wastewater treatment and management in rural areas. 3 Seminars on "*Problemas y soluciones ambientales aguas residuales y residuos solidos*", 8 September 2003, Medellin, Colombia; 10 September 2003, Bogota, Colombia; and 11-12 September 2003, Quito, Ecuador.