

Benjamin Engler

curriculum vitae

business address

University of Freiburg
Institute of Forest Utilization and Work Science
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Benjamin Engler

education

University of Freiburg, Institute of Forest Utilization and Work Science

January 2007 – present; Ph.D. candidate

Research focus on supply of woody biomass for energy recovery and utilization of forest product. Project activities in Germany and China.

University of Freiburg

October 2004 – November 2006; Master of 'Sustainable Forestry and Land Use Management'

Technical University of Dresden

October 2001 – September 2004; Bachelor of 'Forestry Sciences'

research experiences

ValWood: Innovative sustainable land use in China

H. Spiecker (PI), G. Becker (PI), B. Engler (co-PI)

funded by Ministry of Science and Education (BMBF)

September 2007 – present

Integrated optimization for a sustainable supply of energy wood

B. Kaiser (PI), G. Becker (PI), B. Engler (cp-PI)

funded by Ministry of Science, Research and Art Baden-Württemberg

March 2007 – September 2009

Estimation of standing volume of red wood (*Pseudotsuga menziesii*, *Pinus*, *Larix*) east and west the Middle Rhine in south-west Germany and bordering France and Luxembourg

G. Becker (PI), B. Engler (co-PI)

January – March 2007

Research on economy and conservation of marking trees at future-crop-tree-thinning in homogeneous pine stands (M.Sc. thesis)

June – November 2006

Ongoing studies for a new hauling technique with cable winch mounted on a bagger with trailer system (B.Sc. thesis)

March – August 2003

teaching experiences	Several lectures within B.Sc. and M.Sc. courses at the Faculty of Forestry of the University of Freiburg • Introduction into bioenergy. (B.Sc., German) • Wood supply systems for bioenergy. (B.Sc., German) • New products and techniques: Pellets, BtL. (B.Sc., German) • CO₂-Emission rates in the forest-wood context. (B.Sc., M.Sc., English) • The role and potential of biomass in the context of the renewable energy of the European Union with Germany as an example. (M.Sc., German) • Biomass from plantations: Harvesting techniques and wood supply. (M.Sc., German) • Biomass from plantations: Energy recovery of woody biomass. (M.Sc., German)
publications (excerpt)	SCHOENHERR, S., ENGLER, B., ZHEKE, Z., BECKER, G. (2011): Suitability of Bamboo as an Energy Resource: Analysis of Bamboo Calorific Value in Dependency of the Culms Age. – Journal of Forest Energy (in Review) SUCHOMEL C., ENGLER, B. (2010): Harvesting firewood from an aged oak coppice with a CTL hardwood harvester. – The International Forestry Review, 12 (5): 13, http://www.cfa-international.org/IUFRO%20abstracts%202010.pdf ENGLER, B., BECKER, G., SPIECKER, H., STORCH, J., DÖRR, A., SCHÜTT, C., MAKESCHIN, F., WOLFF, M. (2010): ValWood: concepts for a combined production of valuable broadleaved trees for wood processing industry and fastgrowing tree species for energy. – The International Forestry Review, 12 (5): 216, http://www.cfa-international.org/IUFRO%20abstracts%202010.pdf ENGLER, B., DIETENBERGER, R. (2010): Suitability of bamboo as a renewable energy resource and effects of bamboo forests on sequestered carbon in soils. – The International Forestry Review, 12 (5): 221, http://www.cfa-international.org/IUFRO%20abstracts%202010.pdf STORCH, J., SPIECKER, H., BECKER, G., DÖRR, A., ENGLER, B., MAKESCHIN, F., WOLFF, M. (2010): China auf dem Weg zu einer zukunftsfähigen Forstwirtschaft: Deutsch-chinesische Zusammenarbeit an nachhaltigen Forstkonzepten. – AFZ-DerWald, 65 (4): 40-43 BECKER, G., CREMER, T., ENGLER, B. (2008): Bioenergie als neues Geschäftsfeld in der Forstwirtschaft: Konzept für die betriebliche Umsetzung. – AFZ-DerWald, 63 (2): 78-80 ENGLER, B., BECKER, G., WIPPEL, B. (2008): Zwischen Wirtschaftlichkeit und Pfleglichkeit. Benötigen homogene Kiefernbestände eine Bestandesvorbereitung? – AFZ-DerWald, 63 (2): 58-61 BECKER, G., CREMER, T., ENGLER B., SUCHOMEL C. (2008): Energie und Rohstoff aus Biomasse – Was können Land- und Forstwirtschaft

ENGLER B., CREMER, T. (2008): Pulpwood versus energy wood: Sorting strategies for different stands and market conditions. – Proceedings IUFRO ALL-D3-Conference: Pathway to Environmentally Sound Technologies for Natural Resources Use, 15-20.06.2008, Sapporo, Japan. <http://jfes.ac.affrc.go.jp/IUFRO2008.html>

ENGLER B., CREMER, T. (2008): Pulpwood versus energy wood: Sorting strategies for different stands and market conditions. – Proceedings 41. Internationales Symposium Schmallingenberg in Verbindung mit der 15. KWF-Tagung, 2.-5. Juni 2008, Schmallingenberg/ Sauerland. <http://formec.kwf-online.org>

ENGLER, B., NIMZ, R. (2004): Das Darmstädter Rückeverfahren. – Forst und Technik, 5 (16), S. 8-11

presentation (excerpt)

ENGLER, B., DIETENBERGER, R., SCHOENHERR, S., ZHONG, Z., BECKER, G. (2010): Suitability of bamboo as an energy resource: Analysis of bamboo calorific value in dependency on the culms age. Third International Symposium on Energy from Biomass and Waste, 8-11 November 2010, Venice, Italy

ENGLER, B., BECKER, G. (2010): ValWood: concepts for a combined production of valuable broadleaved trees for wood processing and fast growing tree species for energetic utilization. IUFRO World Congress, 21-31 August 2010, Seoul, Korea

ENGLER, B., BECKER, G. (2010): New Technology of Timber Harvesting and Utilisation of Forest Products. 30th Anniversary of the Experimental Center of Tropical Forestry (ECTF), 16 September 2010, Pingxiang, Guangxi province, China

BECKER, G., ENGLER, B., SUCHOMEL, C. (2009): Nachhaltige Ressourcensicherung – Was kann der Wald leisten? Vortrag am Allemanischen Institut, 16. Juli 2009

ENGLER, B., CREMER, T., KAFFENBERG, J., BECKER, G. (2009): From mobilisation to a precisely tailored delivery – Integrating approaches for a comprehensive cost calculation of a wood chips delivery through forest companies. FORMEC'09, June 21nd – 24th, 2009, Kostelec n. Č.I. / Prague, Czech Republic

BECKER, G., ENGLER B. (2009): Hackschnitzel - forstwirtschaftliches Produkt mit Zukunft? LIGNA Hannover, Weltmesse für die Forst- und Holzwirtschaft, 18.-22. Mai 2009

SUCHOMEL C., BECKER, G., ENGLER, B. (2008): Provision of energy wood from coppice-forests – a renaissance of a historical management concept? Vortrag auf der IUFRO All-Division 3 Conference Sapporo/ Japan,

15.-20.06.2008

ENGLER, B., BECKER, G., CREMER, T. (2008): Pulpwood versus energy wood: Sorting strategies for different stands and market conditions. FORMEC'08 Meeting, 03.06.2008, Groß-Umstadt

BECKER, G., CREMER, T., ENGLER B., SUCHOMEL C. (2008): Energie und Rohstoffe aus Biomasse – was können Land- und Forstwirtschaft nachhaltig leisten? Vortrag bei der Samstags-Uni der Albert-Ludwigs-Universität Freiburg am 02.02.2008