

NARMEE - Potential Thesis Topics and Supervisors BOKU-LU
March 2018

Specialisation	Possible themes / topics	Possible Supervisors / Co-supervisors	
		BOKU	LU
Ecological Engineering & Risk Management	Soil pollution and remediation (ecological engineering approaches)	Markus Puschenreiter, Walter Wenzel, Franz Zehetner	Nick Dickinson
	Risk assessment of soil pollutants (e.g. dose-response studies)	Markus Puschenreiter, Walter Wenzel	Nick Dickinson
	From waste to fertiliser (recycling nutrients such as P, Si, micronutrients)	Walter Wenzel	Nick Dickinson
	Wastewater treatment (ecological engineering)	Günter Langergraber	
	Phytomining	Markus Puschenreiter	Nick Dickinson
	Soils and greenhouse emissions	Sophie Zechmeister-Boltenstern	Tim Clough
	Material (element) cycling in terrestrial	Sophie Zechmeister-Boltenstern,	Nick Dickinson
	Soil carbon sequestration and humus chemistry	Martin Gerzabek, Franz Zehetner	Tim Clough
	Soil - Water relationships	Willibald Loiskandl, Andreas Klik,	Tim Clough
	Flood risk management	Hubert Holzmann, Helmit Habersack, Karsten Schulz	
	(Mountain) forestry and mountain risk management	Harald Vacik, Harald Lexer, Hubert	
Waste management	Marion Huber-Humer		
	Developing micro-electronic (Arduino, Raspberry Pi) devices for monitoring wildlife and biodiversity, including "smart city" applications		Rob Cruickshank
	Effects of environment (light, temperature, etc.) on insect behaviour and activity - implications for urban/industrial design, etc.	Chrsita Schafellner	Rob Cruickshank
	Urban ecology, biodiversity in cities, etc.	Doris Damyanovic	Rob Cruickshank
	Community ecology		
	Spatial ecology		Wendy McWilliam
	Plant ecology	Harald Meimberg, Matthias Kropf	
	<i>topics not supplied</i>		Adrian Paterson
	<i>topics not supplied</i>		Laura Molles
Economic and Social Sustainability in Natural Resources Management			Karl Rich; Gillis Maclean; Wendy McWilliam
	Alternative Food Networks	Marianne Penker	
	Public-private / public-civic partnerships for nature conservation, landscape stewardship	Marianne Penker	Gillis Maclean; Wendy McWilliam
	Social Capital in Rural Development	Stefan Vogel	Gillis Maclean; Gary Garner
	Farm Succession Studies	Stefan Vogel	Alan Renwick; Gary Garner
	Renewable Energies	Erwin Schmid	
	Sustainable Resource Management	Erwin Schmid	Majeed Safa
	Policy Impact Analysis	Erwin Schmid	Alan Renwick; Karl Rich
Risk Management	Erwin Schmid	Alan Renwick	
Landscape Planning, Design and	Green infrastructure planning, design and		Wendy McWilliam