Best practice theses carried out at the Earth Observation Lab

Туре	Title	Abstract	Experts
M.Sc.	Simulating maize yields	In this Master thesis the Scalable	<u>Patrick</u>
thesis	in Brandenburg with the	Crop Yield Mapper (SCYM) was	<u>Hostert</u> ,
	Scalable Crop Yield	used to simulate 2017 silage maize	<u>Daniel</u>
	<u>Mapper</u>	yield at pixel and field scale in	<u>Müller</u>
		Brandengburg, Germany. The	
		results of the study helped to	
		understand the feasability of the	
		SCYM and offered a good	
		grounding for further research on	
		the subject.	
B.Sc.	<u>Using Landsat time series</u>	In this Bachelor's thesis, 140	<u>Patrick</u>
thesis	for mapping winter and	Landsat images were pre-	Hostert, Dirk
	spring crops in	processed in Google Earth Engine	<u>Pflugmacher</u> ,
	Southeastern Anatolia	to generate spectral-temporal	advisor:
		metrics for mapping winter and	<u>Philippe</u>
		spring crops in Southeastern	<u>Rufin</u>
		Anatolia in 2015.	
M.Sc.	Characterizing Spring	In this thesis, combined Landsat	<u>Dirk</u>
thesis	<u>Phenology of Broadleaf</u>	and Sentinel-2 time series have	<u>Pflugmacher</u> ,
	Forests Across germany	been used to estimate spring	<u>Cornelius</u>
	Combining	phenology across Germany. Katja	<u>Senf</u>
	<u>Landsat/Sentinel Time</u>	compared the results to ground	
	<u>Series and Phenological</u>	observations and mechanistic	
	<u>Models</u>	phenology models. Thereby the	
		study showed that dense time series	
		can help us to better understand	
		vegetation phenology across large	
		spatial scales.	
B.Sc.	Potential of a multi	This Bachelor's Thesis evaluates a	<u>Sebastian</u>
thesis	seasonal spectral	method of a multi seasonal spectral	<u>van der</u>
	mixture analysis using	mixture analysis on Landsat	<u>Linden</u> ,
	<u>Landsat imagery for</u>	imagery for generating sub-pixel	Jonas Ø.
	<u>detecting urbanization</u>	information. This method is	<u>Nielsen</u>
	patterns in	particularly adequate in regions	
	Ouagadougou, Burkina	featuring dry and rain seasons.	
	<u>Faso</u>	Franz applies it to detect gradual	
		urbanization processes in	
		Ouagadougou, Burkina Faso.	