

A socio-ecological analysis of recent land use change in Ayacucho, a region in the Central Andes of Peru

Zully Luz Rosadio Cayllahua

(11721719)

Supervisor: by Assoc. Prof. Dr. Karlheinz Erb

21st October 2020

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Motivation

Source: Kleine Zeitung 2019

Wie ist es um das Thema Palmöl bestellt? Was ist mit Avocado und Quinoa? Palmöl ist nach wie vor und zunehmend ein Problem. Rückgänge im Konsum sind nicht zu beobachten. Avocado und Quinoa schätze ich da in der absoluten Menge noch als weniger relevant ein.



Aim

1. How has land use/land cover changed in the studied decade (2009-2018)?
2. Which role plays agriculture in this region and how important are individual land-use types?
3. Which key land-use trajectories can be identified, and do they have a link to the increase of quinoa production?

Material, Data & Methods

- Field visit
- Official data of agricultural and forestry production, land use/land cover data, climate data

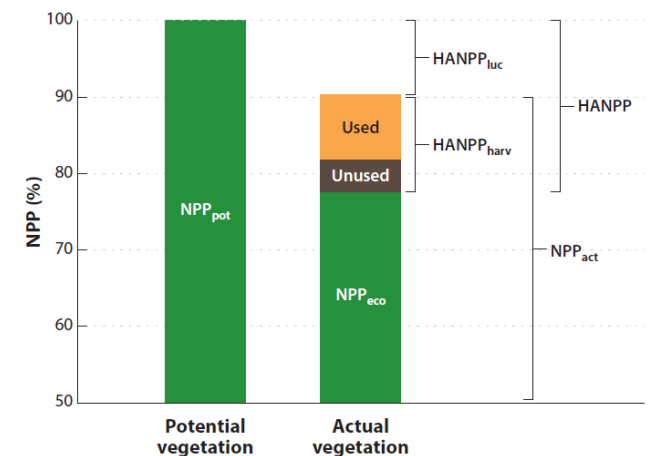
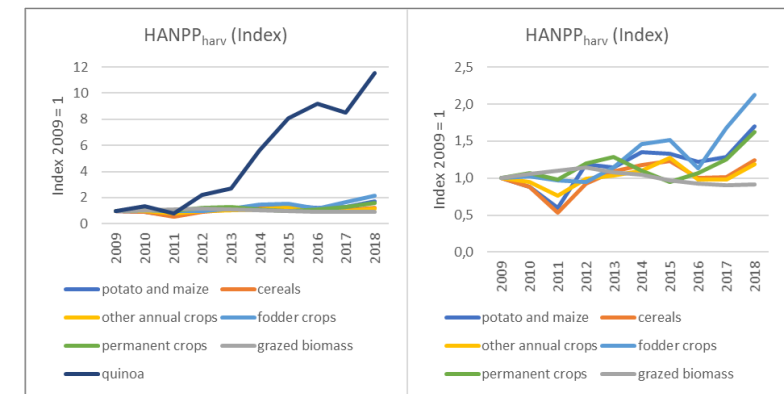
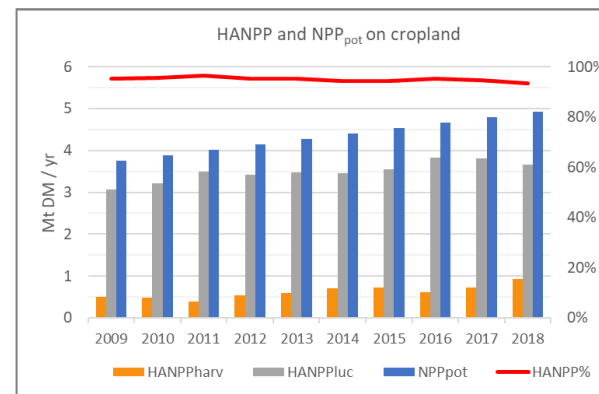
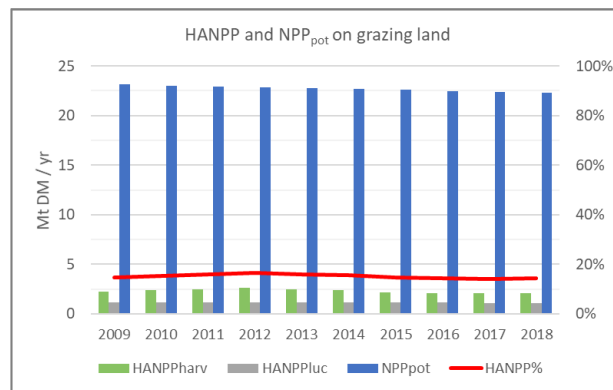
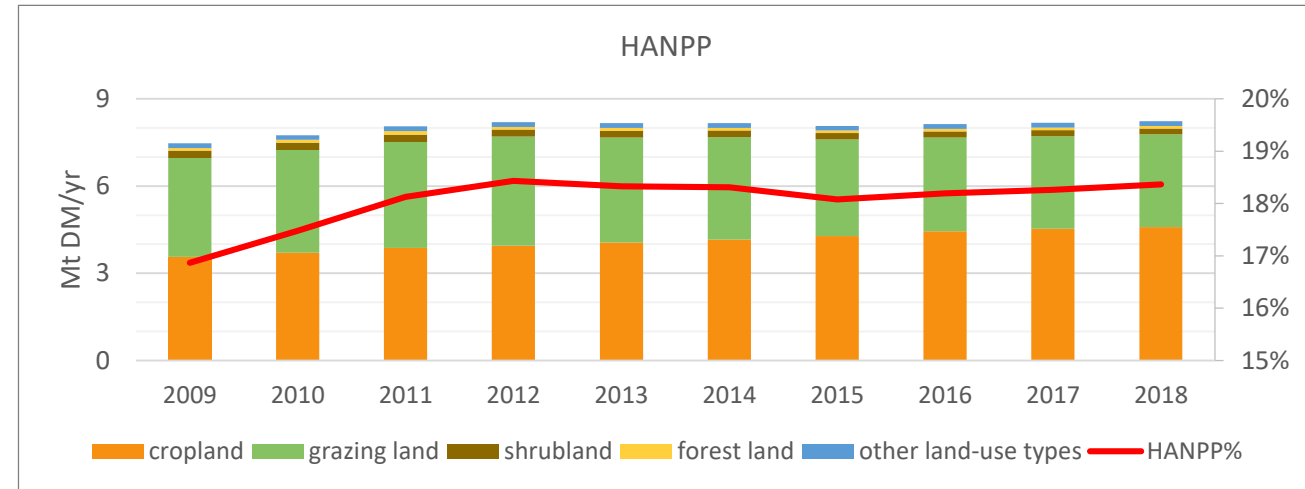


Image source: Haberl et al. 2014

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	Area in 2009 [kha]	Area in 2018 [kha]	Area in 2009 [%]	Area in 2018 [%]	Change [kha]	Change rate [%]	Annual change rate [%/yr]
Grazing land	2363	2279	54%	52%	-83	-3,7	-0,4
Cropland	252	331	6%	8%	79	23,9	3,1
Shrubland	983	910	22%	21%	-73	-8,0	-0,9
Forest land	201	271	5%	6%	70	25,8	3,4
Other land-use types	583	590	13%	13%	7	1,2	0,1
Total	4381	4381					



For: Scholars (SEC; Institutes with focus on Latin America / Andean region), policymakers, interested public