

# No free lunches: PES for agobiodiversity conservation



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# Payments for agrobiodiversity conservation services (PACS)

Piloted to check out their potential as *least-cost* and equitable agrobiodiversity conservation governance instrument

Developing incentives for farmers to conserve







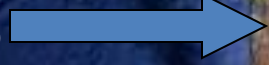
**Peru: Northern Altiplano**

→ subsistence-based



**Bolivia: Southern Altiplano**

→ commercial farming systems



# PAYMENT FOR AGROBIODIVERSITY CONSERVATION SERVICES

scheme ran over the 2010/2011 agricultural season



Figure 1. Schematic representation of the key players





## Key concerns:

- Targeting: what, where?
- Efficiency: least-cost
- Equity: Legitimacy
- Institution: collective action
- motivations for consv?



Pilot PACS shows promise for upscaling into a regional/national scale





A broad conservation strategy would likely require incorporating a mixture of incentive instruments, e.g. a **market/value chain development** combined with **PACS schemes built on governmental funds and private sector funding**







MRV

Participatory approach appears to be viable





***“Good policies are those that support socially valued ends not only by harnessing selfish preferences to public ends but also by evoking, cultivating, and empowering public-spirited motives”***

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***Bowles (2008) . Policies designed for self-interested citizens may undermine “the moral sentiments”: Evidence from economic experiments. Science, 320, 1605-1609.***

# Additional material

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- Narloch, U., Pascual, U., Drucker, (2013). How to achieve fairness in payments for ecosystem services? Empirical insights from agrobiodiversity conservation auctions. *Land Use Policy* 35: 107-118.
- Narloch, U., Pascual, U., Drucker, A. (2012). Collective action dynamics under external rewards: experimental insights from Andean farming communities. *World Development*. 40(10): 2096–2107.
- Narloch, U., Pascual, U., Drucker, A.G. (2011) Cost-effectiveness targeting under multiple conservation goals and equity considerations in the Andes. *Environmental Conservation*. 38(4): 417-425.
- Narloch, U., Drucker A. and Pascual, U (2011) Payments for agrobiodiversity conservation services for sustained on-farm utilization of plant and animal genetic resources *Ecological Economics*, 70(11): 1837-1845.





A future sown  
thousands  
of years ago



[www.fao.org/quinoa-2013](http://www.fao.org/quinoa-2013)



Un futuro  
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