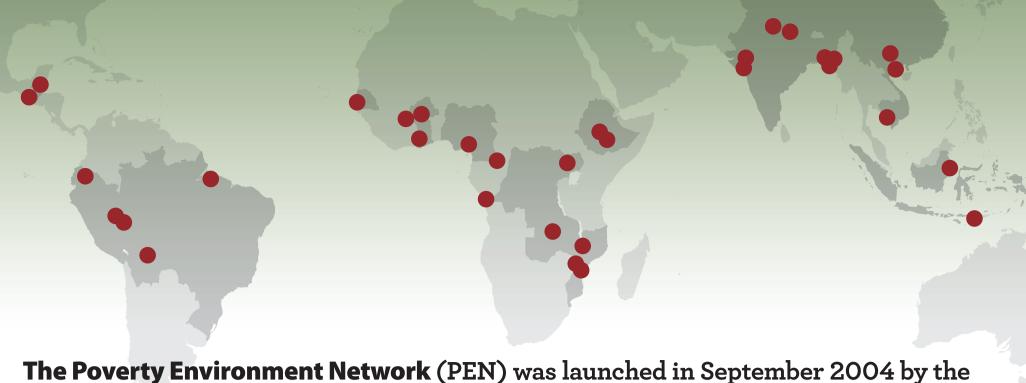
# Poverty Environment Network



12 year project 3 continents 59 sites 333 villages 8301 households



Center for International Forestry Research. The core of PEN is the tropics-wide collection of uniform socio-economic and environmental data at household and village levels by 33 PEN partners, generating a global database from 24 countries. The data collection includes a careful recording of all forest and environmental uses, quantifying the overall importance of environmental income to rural livelihoods in developing countries.

### What is the current role of forests in rural household economies,

Overall research question for PEN

and socioeconomic contexts? In order to make this question more specific, PEN looked at several dimensions of the forest-poverty link:

and how does that role vary with different biophysical



regular consumption, insurance, or asset building



household headship, migrants, etc.

degrees of poverty, age,



PEN researchers have challenged conventional wisdom about key areas,

including the importance of environmental income, the roles of men and women

in forest-product use, and the function of forests as safety nets.

forest abundance,

condition, type,

management, etc.



tenure regime, local governance, etc.



forest products markets, etc.

access integration,

competitiveness in

It's easy to create stereotypes about what the world is like. In a world of multi-facetted nuances, many established narratives prove to be wrong.

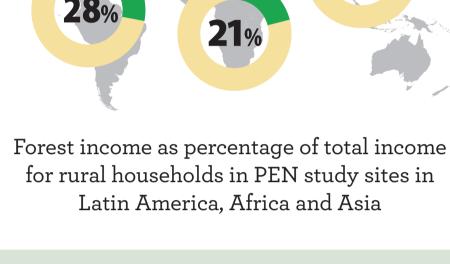


— Arild Angelsen, economics professor with the Norwegian University of Life Sciences and coordinator of the global study

How important is forest income?

I was admittedly a little surprised that environmental

incomes were so high. Our results indicate that, even some





rural folks in developing countries still depend strongly on foraging from nature for their livelihoods. - Sven Wunder, principal economist, CIFOR

Who collects forest products, and why? Processed forest products, value share



**8%** extracted more from forests **17%** sought help from others **19%** reduced consumption **29%** found other employment

Popular policy narratives PEN found that households with medium to high about poverty-driven asset holdings and higher forest clearing would suggest that the poorest market orientation were more rural households clear the likely to clear forest than the most. How accurate is poorest and market-isolated this perception? households.

## Is forest clearing poverty-driven?

Who owns the forests that support livelihoods the most? STATE



How sustainable is forest extraction?

Crops, livestock, farmwork, businesses — there is a whole

deforest

little

PEN findings show the vast majority of rural villages degrade their forest resource base over time, but villages are less likely to perceive resource declines when local communities:

inequality, and happiness, finding that the poorest people become most happy with extra income, while unhappiness with large inequalities occurs at all income levels. Researchers also want to link the PEN dataset to geographic information systems (GIS) data to explore how closely environmental income depends on natural conditions and market access.

Angelsen, et al. (2014) Environmental Income and Rural Livelihoods: A Global-Comparative Analysis. World Development. www.sciencedirect.com/science/article/pii/S0305750X14000722

have stable

population sizes

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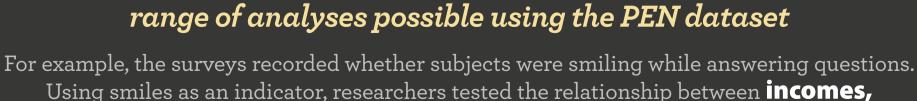
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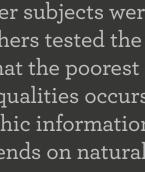
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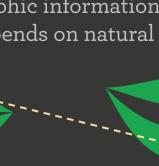
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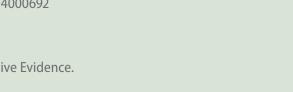


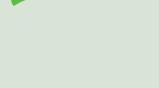














20%

10%





**PRIVATE** 

own a significant

share of forest area

**27%** sold assets