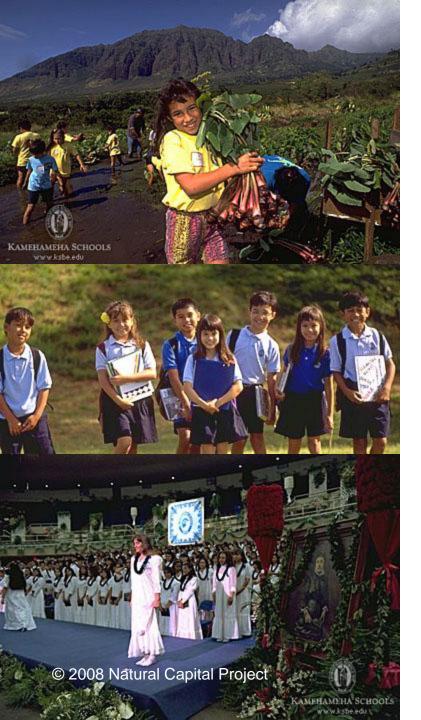


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Founded in 1887,

Kamehameha Schools embodies a rich cultural legacy of Hawai`i lands and a mission to sustain the well-being of a people in perpetuity

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Today,

they educate 38,000 students each year





Kamehameha Schools owns 8% of the land in Hawai`i



Kamehameha Schools' holdings are nearly double that.







All of their land is shown here, in blue







But today,



they have a new approach.

Their approach: to achieve a balance of

Economic value

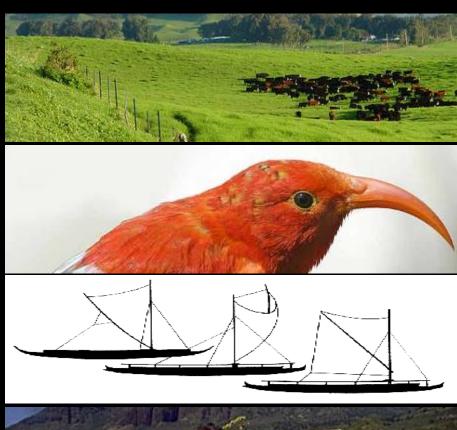
Environmental value

Cultural value

Educational value

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Community value





This change in approach could change the face of Hawai'i...

And light the way for the world.

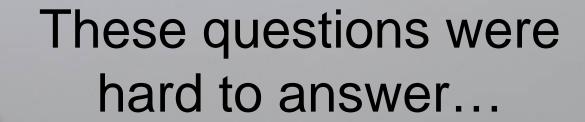


But, how can these land asset values be measured?



What mix of land use strategies will help them meet *all* of their goals?





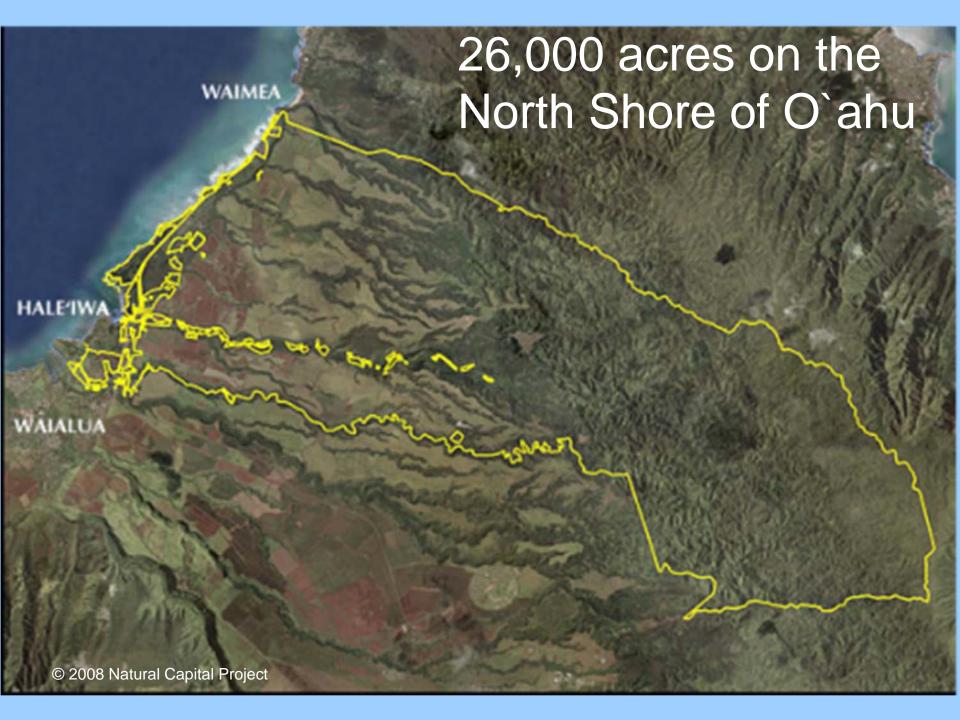
But now, we have a new tool

The Natural Capital Project has created a software system, InVEST.

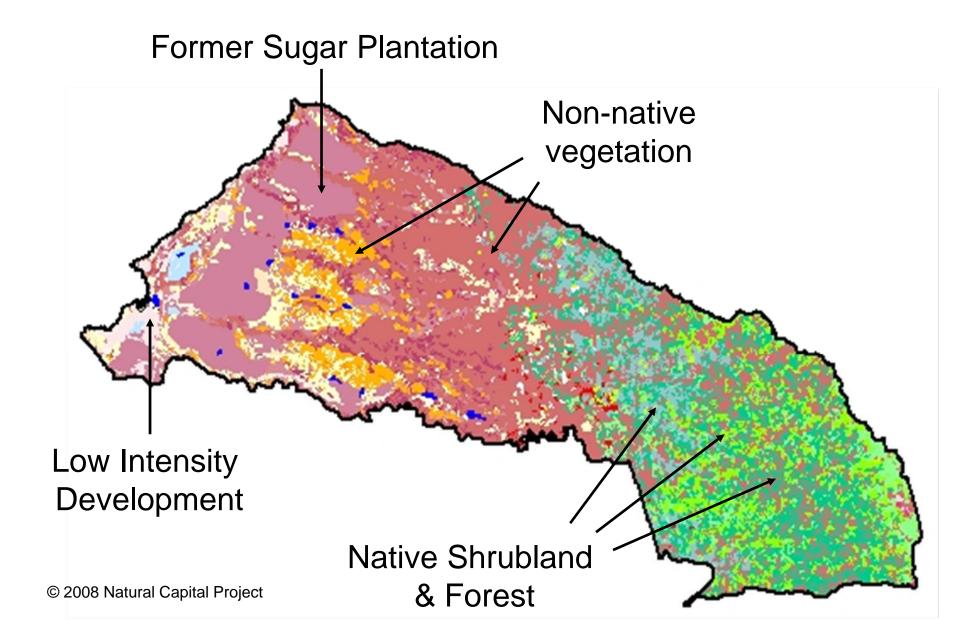


InVEST makes these questions easier.





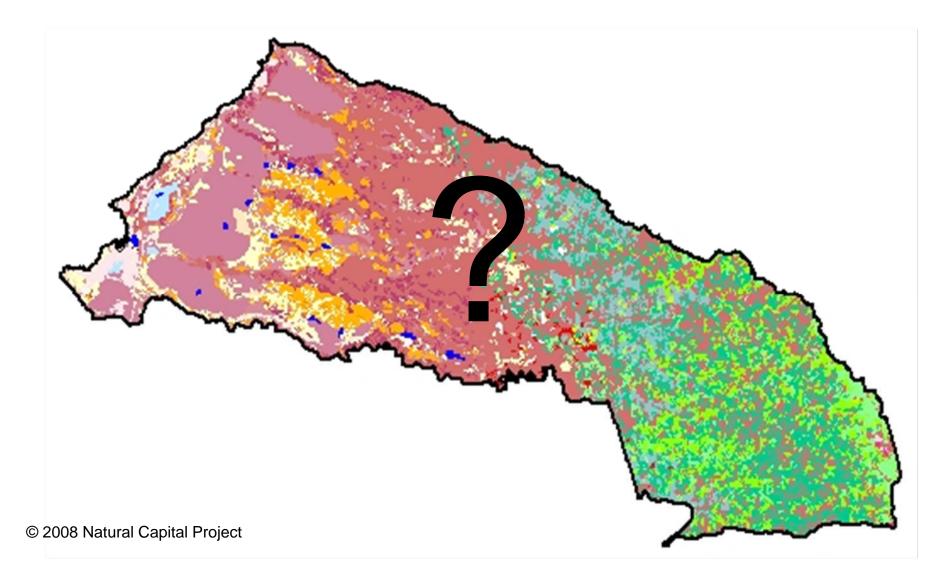
The landscape today is a mix



They want to use this land to:

Produce food and energy sustainably Restore native species and habitats Help stabilize the climate Provide cultural opportunities Provide clean water Create revenue

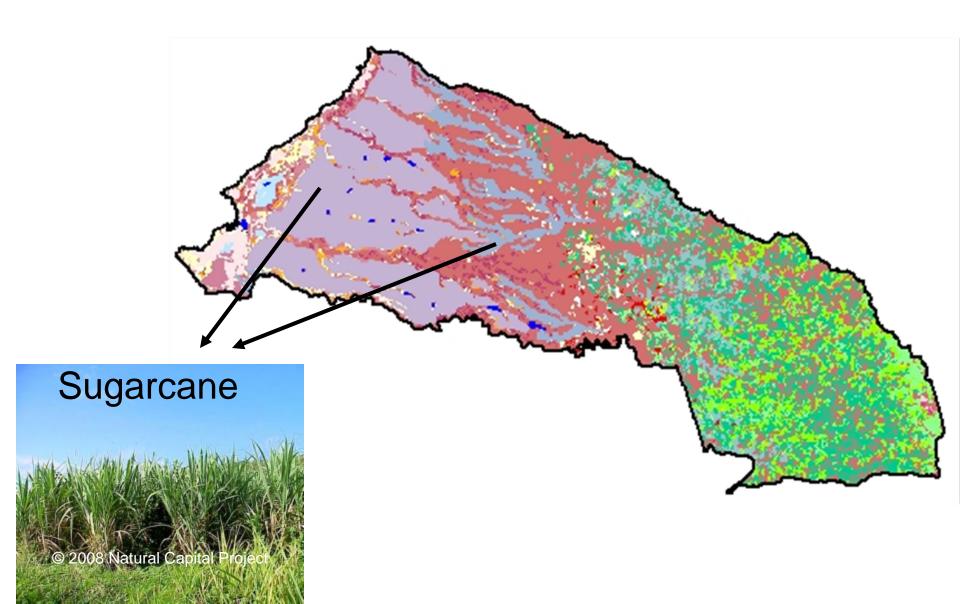
But, what should this landscape look like in the future to meet all these goals?



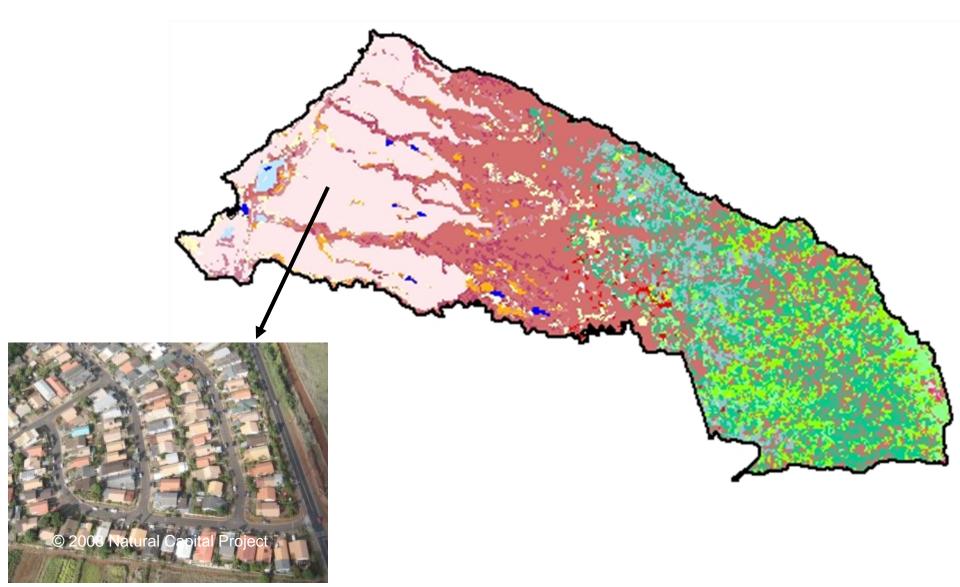


We explored a number of scenarios...

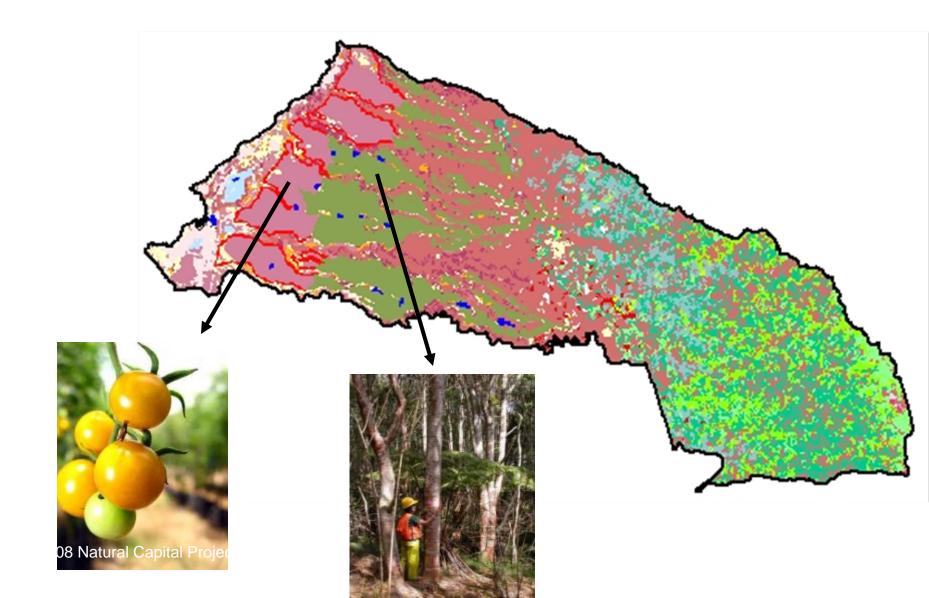
Growing a biofuels feedstock



Expanding residential development



Cultivating diversified agriculture & forestry



We used InVEST to measure the production of these services under each scenario:

Produce food and energy sustainably

Restore native species and habitats

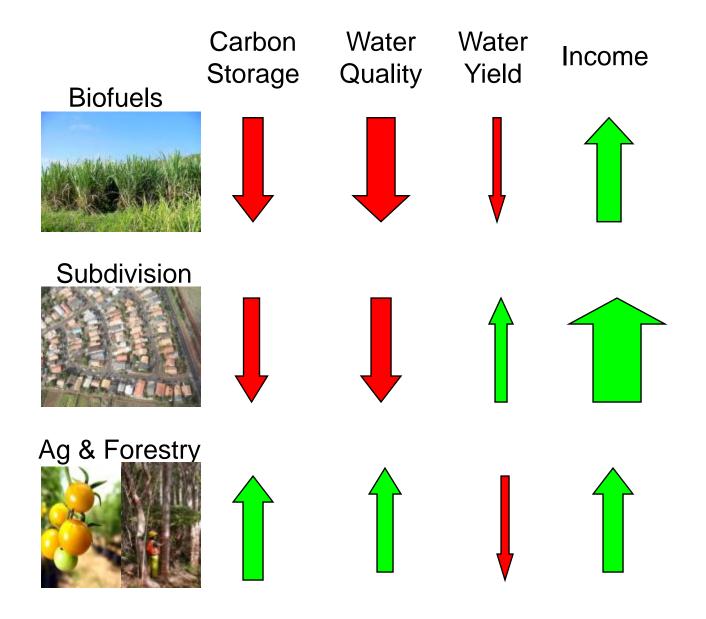
Help stabilize the climate

Provide cultural opportunities

Provide clean water

Create revenue

Here's what InVEST told us:



Here's what InVEST told us:



Big income from biofuels or development is paired with big losses for the environment and society.

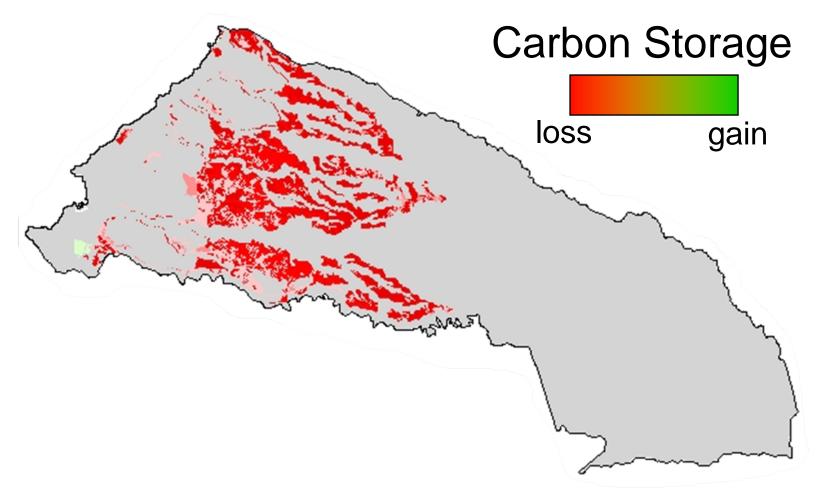
© 2008 Natural Capital Project

Here's what InVEST told us:



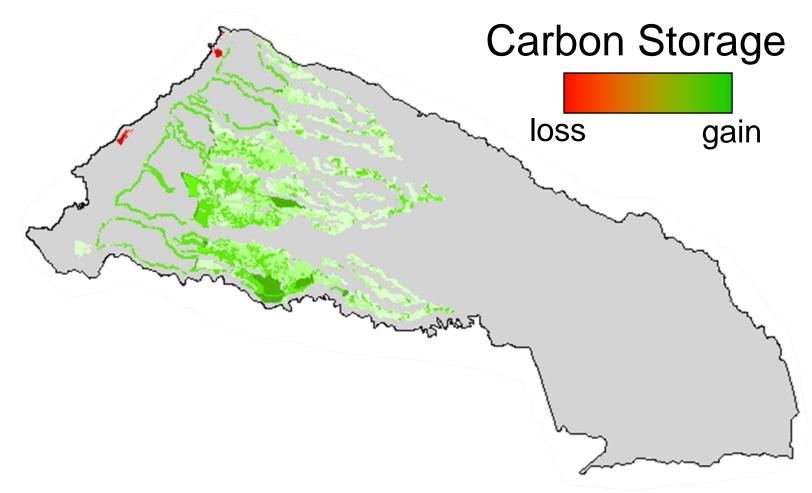
Diversified agriculture and forestry provide the desired balance, with income, climate control and clean water benefits 2008 Natural Capital Project

InVEST can also map changes.



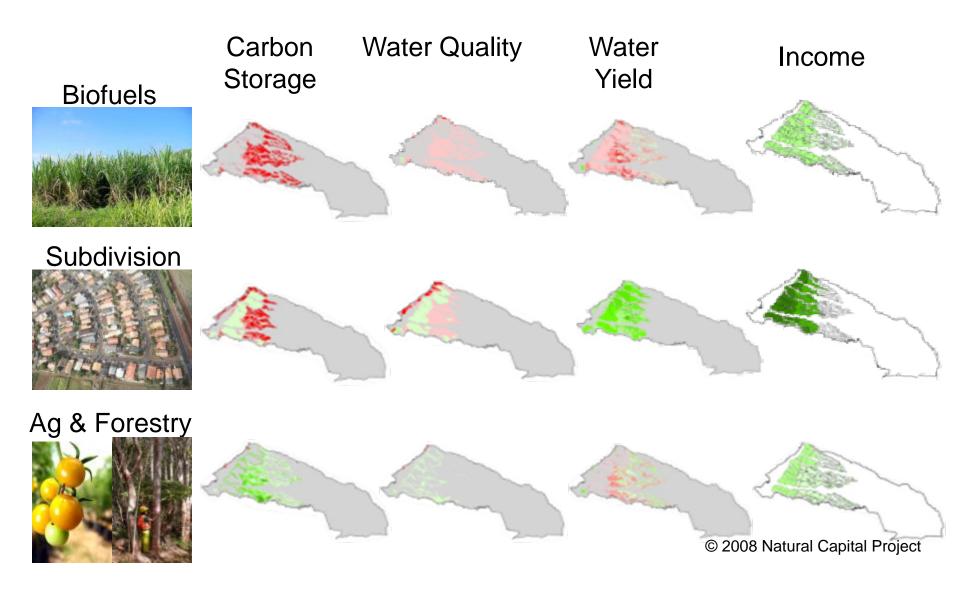
The red areas show where planting biofuels caused carbon loss. © 2008 Natural Capital Project

InVEST can also map changes.



The green areas show where agriculture and forestry caused carbon gain © 2008 Natural Capital Project

Looking at all maps together shows tradeoffs.







They are considering kukui nut trees as a low input biofuels stock and a cultural icon....



along with smaller scale development



and pioneering new ways to integrate cultural values ...

and Hawai'i's future is looking greener.

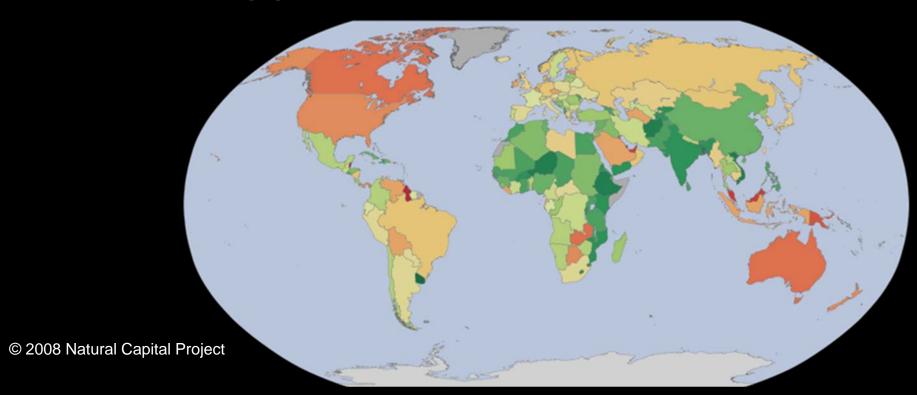
InVEST is being used by others around the globe



to answer questions about these, and other ecosystem services.

We're asking how achieving global food security will affect

biodiversity, climate regulation and water supplies.



We're helping Colombia's Ministry of the Environment improve regulation of....

mining



agriculture



transportation



and other major sectors.

Ask at the booth for more information on what InVEST is doing for conservation around the world.