

The Natural Capital Project is a new collaboration among 3 partners















Our first product is a new tool called *InVEST*:

Integrated
Valuation of
Ecosystem
Services and
Tradeoffs

InVEST is a *free* software package that brings together



InVEST puts together data on the biophysical landscape, such as....

Landuse

Soil type

Topography







With data on the human landscape,

such as....



To predict *how much* ecosystem service will be



InVEST 1.0 Beta can map

Biodiversity

Water pollution regulation

Carbon sequestration

Managed timber production

Crop pollination

Avoided reservoir sedimentation



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The next version of InVEST will add

Tourism and recreation

Agricultural production

Flood mitigation

Hydropower production

Irrigation

Open access products
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You can download InVEST 1.0 Beta today

at

http://invest.ecoinformatics.org

You will get a set of ArcGIS 9.2 toolboxes to install on your computer.



The program comes with...



A detailed user's guide

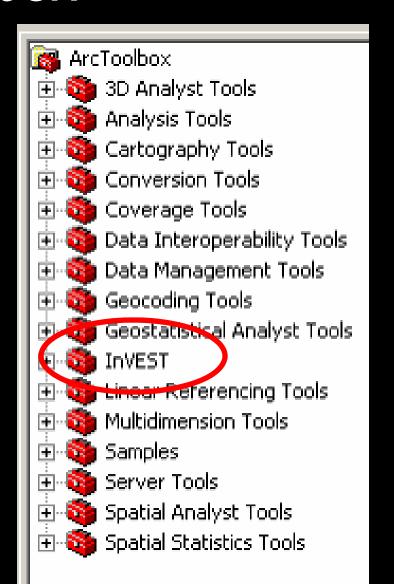


A sample data set and



Online technical support

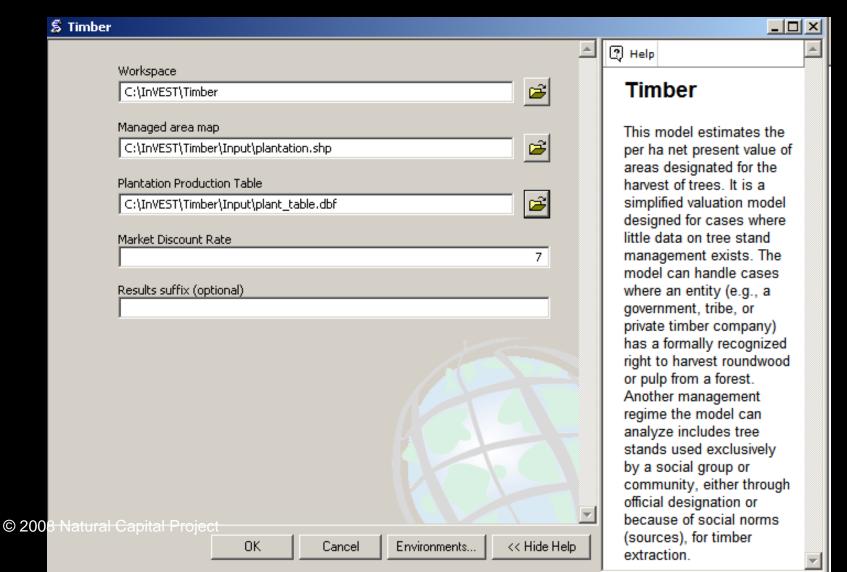
Once installed, InVEST will appear as an ArcToolbox



Each ecosystem service has its own script

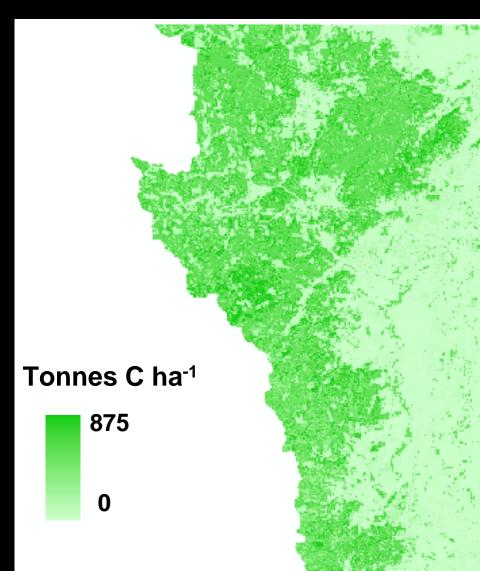


Each script opens an interface where you can easily enter your data



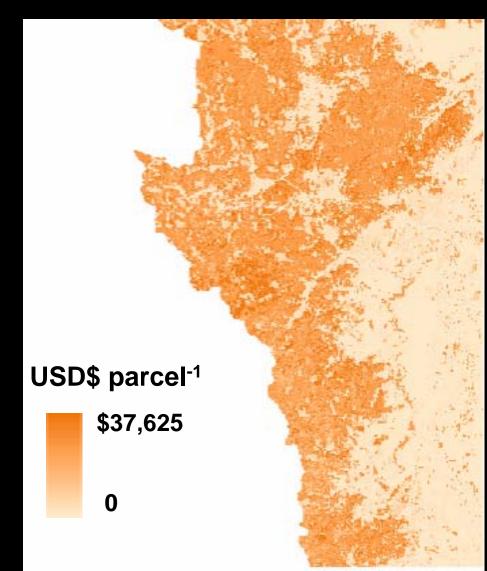
Run a script and you will get a map of your ecosystem service of interest

In *biophysical* terms, such as this map of carbon storage in tonnes per hectare



Run a script and you will get a map of your ecosystem service of interest

Or in *economic* terms, such as this map of the Net Present Value of carbon in US Dollars

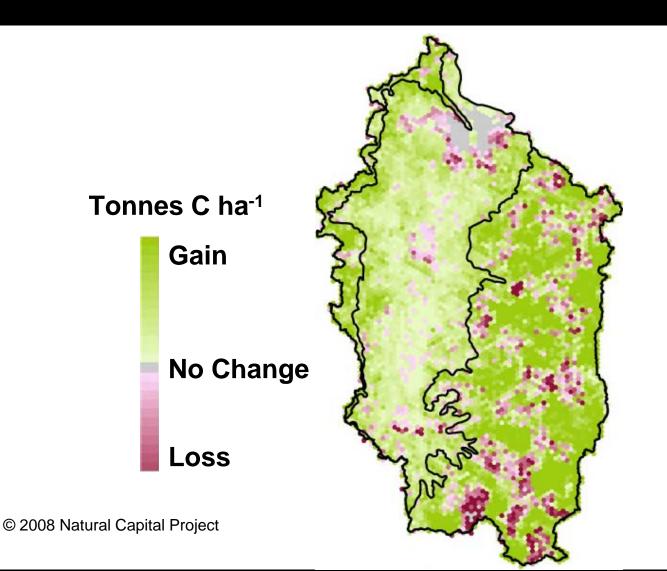


You can run the models again with a possible future landscape to see how services will change

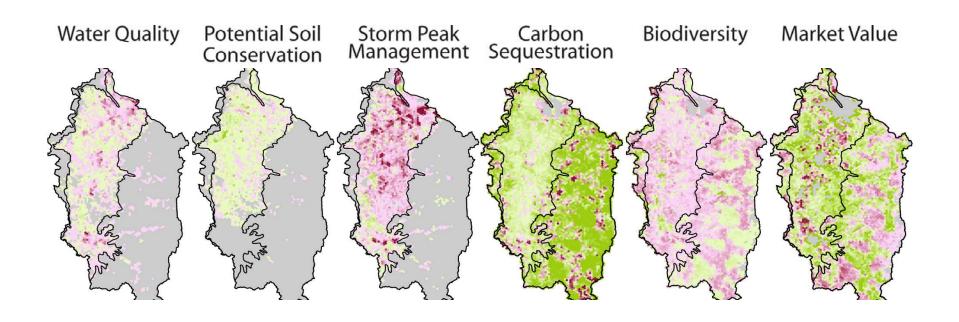
Here's an example from Oregon
Showing development over the next

50 years. 2050 1990 © 2008 Natural Capital Project

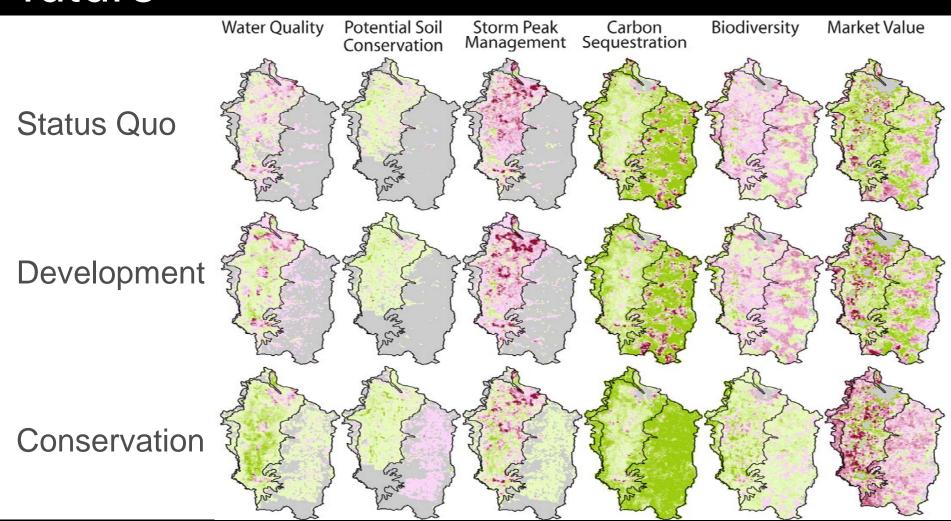
This map shows how carbon storage will change across the landscape



Maps of changes in multiple services can be viewed to reveal tradeoffs



And multiple scenarios can be lined up to find the best options for the future



InVEST is being applied around the globe to answer diverse questions



See our other demo for one example of how InVEST is helping mainstream conservation

