



# Scenario Discussion II: InSEAM, a tool for community mapping and more

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# InSEAM Overview

- **InSEAM: InVEST SEnArio Modeler**
- Not related to InVEST... yet.
- Developed as a tool to gather stakeholder based geospatial information for NatCap site projects.
  - Dive sites in Belize
  - Tourist destinations in Vancouver Island
  - Ft. Lewis scenarios



# Gathering Geospatial Stakeholder Information: The Old Way

1. Determine base information for map
2. Print maps
3. Mail maps to stakeholders
4. Stakeholders physically draw on maps
5. Mail maps back to NatCap
6. Digitize stakeholder maps into GIS

*(Expect this to take months)*



# Now, with InSEAM

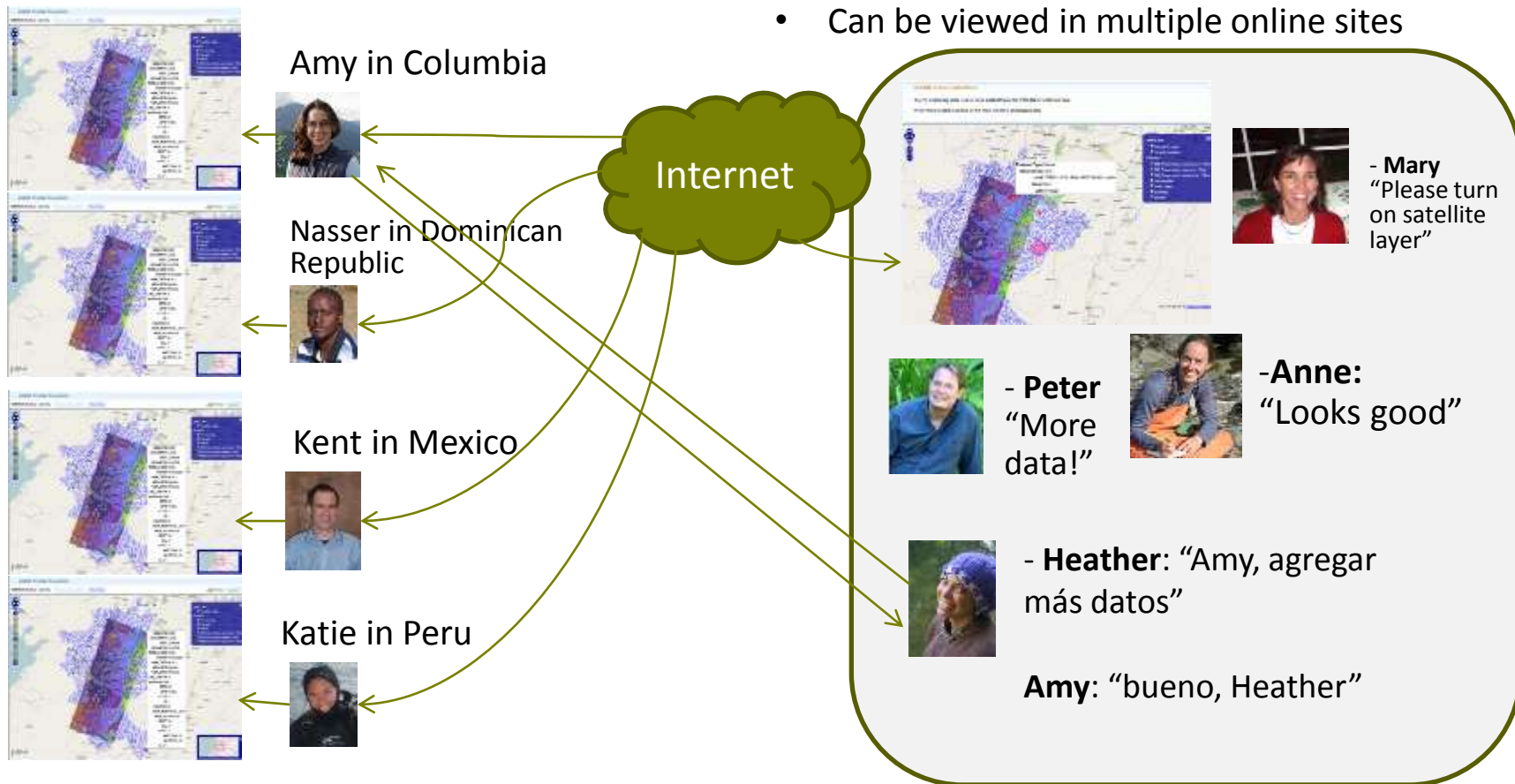
1. Determine base information for stakeholder map
2. Build an InSEAM distribution with base map
3. Email an InSEAM URL to collaborators
4. Gather information, usually over a conference call
5. Import stakeholder information directly into GIS  
*(data gathering is no longer a bottleneck)*



# InSEAM Usage

## InSEAM – Remote Collaborators

Collaborators mark up their own local maps that include orienting base data

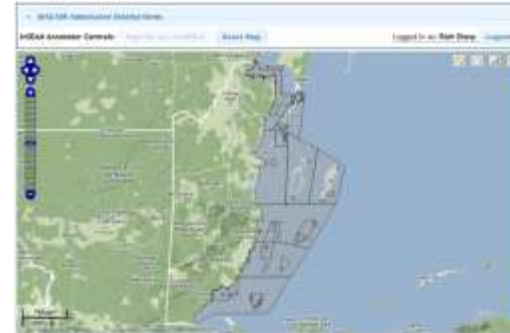


## InSEAM – Overview Map

- Base team and collaborators can see all the annotations from remote collaborators on a single map in real time
- Can be viewed in multiple online sites

# InSEAM Examples

- Belize: [goo.gl/dRRLf](http://goo.gl/dRRLf)
- Cauca Valley: [goo.gl/vYf41](http://goo.gl/vYf41)
- Ft. Lewis: [goo.gl/ZAK18](http://goo.gl/ZAK18)
  - Lets all draw on this one





# InSEAM Tradeoffs

- Easy to collaborate on vector layer construction
- Easy to display basemaps and scenarios without the overhead of an ArcGIS Server
- Is not a replacement for a desktop GIS application
- InSEAM users need a broadband Internet connection
- InSEAM distributions need to be deployed via NatCap software team for the moment
  - Email me if you want to collaborate on one!  
`richsharp@stanford.edu`



# Where is InSEAM Going?

- InSEAM will play a user interface role in an online InVEST framework.
  - Results of InVEST runs may be displayed as scenarios.
  - User layers may aggregate InVEST runs.
- Remote users will be able to configure and distribute custom InSEAM sites.
- Users can download subsets of shapes as ESRI Shapefiles.





# Discussion: Could InSEAM be useful to you?

- Talk about whether this sort of tool could be useful for your project.
- What additional features might you want?
- General questions are good too!

