

### International Technology Innovation Workshop

Aims

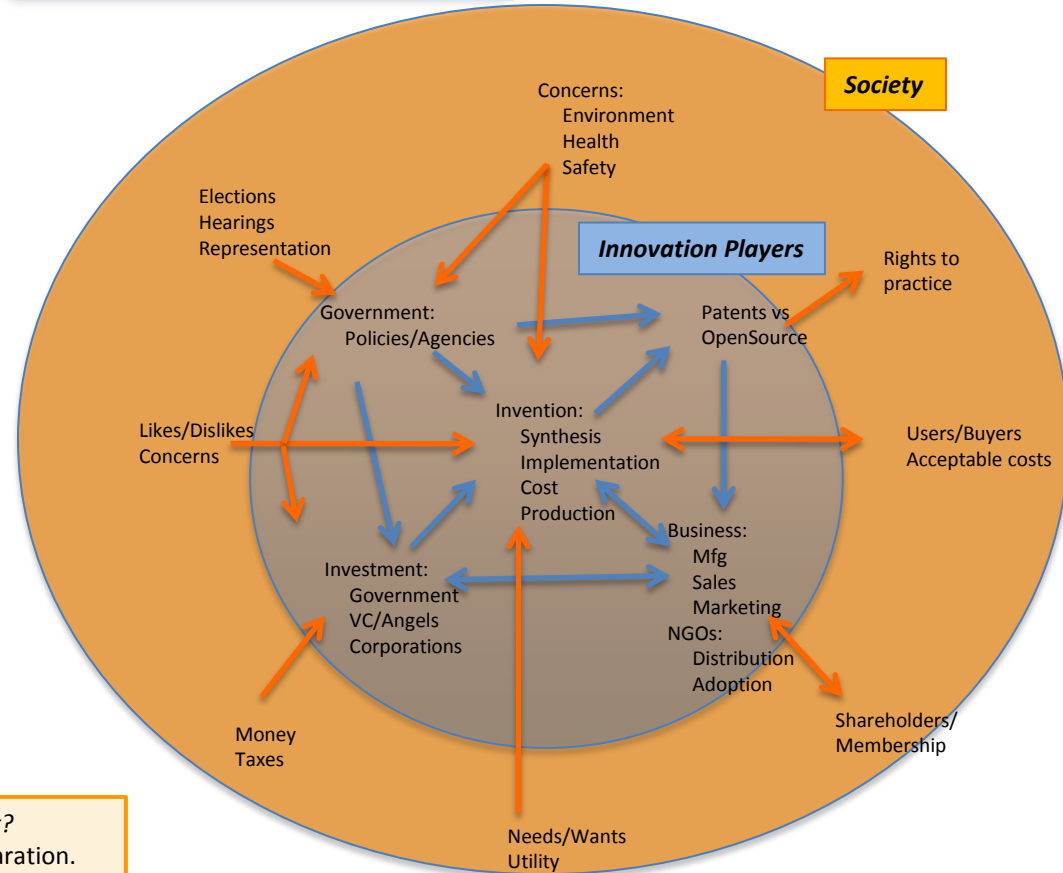
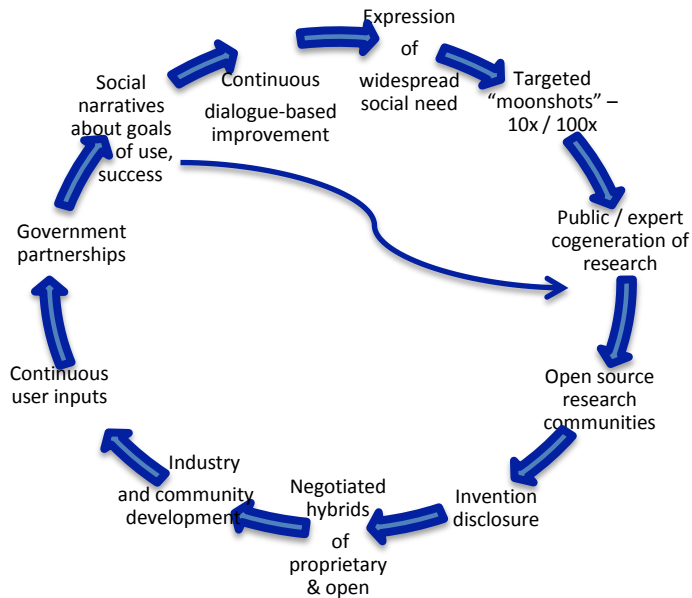
The workshop was convened to ask:

- Where does the innovation model currently stand?
- Are variants in Europe and Asia more successful?
- Can a better model be produced?

Two interim versions of a **proposed non-linear model**.

- partially replace non-social steps with **fully social counterparts**.
- better acknowledgement and coordination of **all social actors implicated in the innovation process**

Global experts in innovation from 4 continents convened in Lyon, France in **April 2010** to examine recent innovation research and practice.



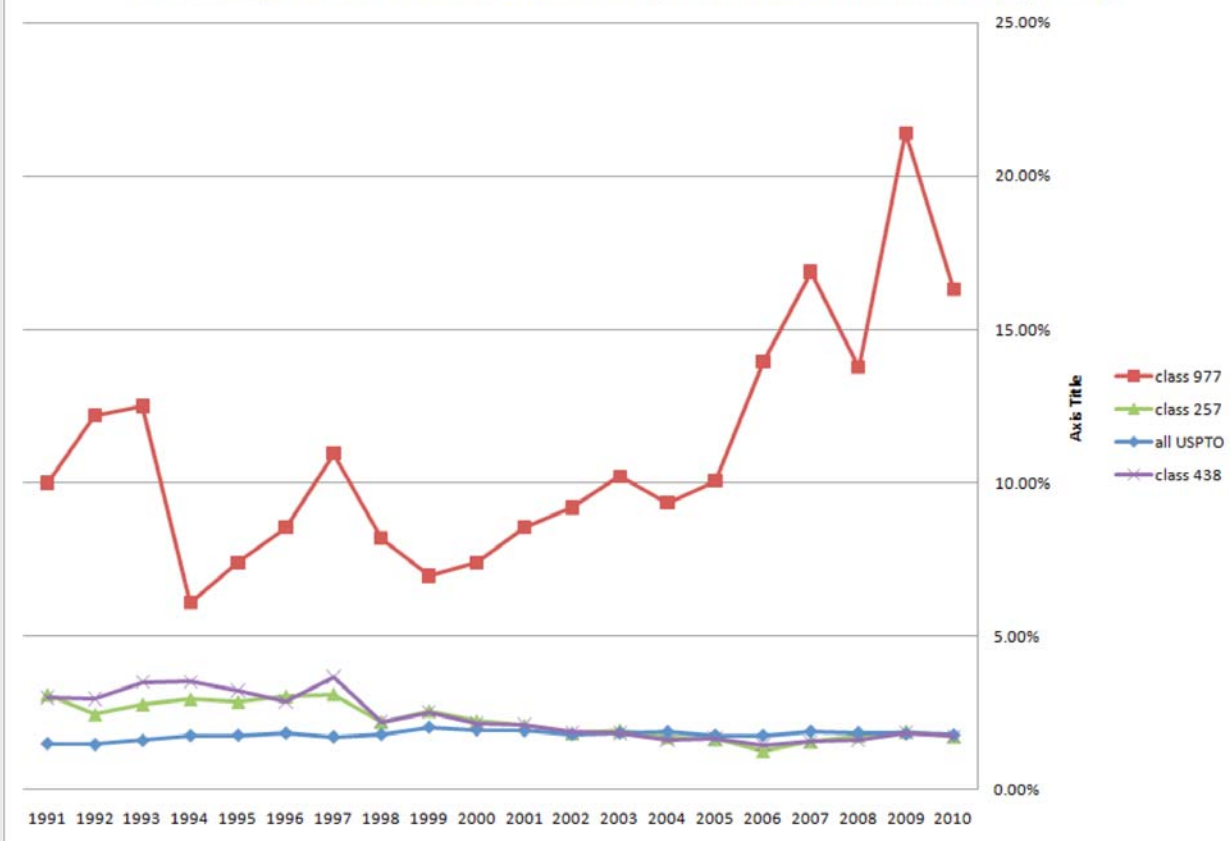
Newfield, Christopher & Daryl Boudreaux, eds. *Can America Still Invent? Towards a New Model of International Innovation*. Manuscript in preparation.



## Seeking the Impact of NNI on Issued Patents

- Federal law requires that patents declare a “Government Interest” when created in part with federal funds. Although nearly 30% of all R&D is federally funded, GI declarations (right) are generally well below 5%. Could difficulty with identifying links between a public initiative like the NNI and resulting IP reduce public contact with and support for public research? How does nanoscale research, defined as the USPTO’s 977 “nanotechnology” class, compare to rates of disclosure of public sponsorship in related fields?
- The 977 class declares a Government’s Interest at far higher rates than co-occurring classes, and increased Class 977 declarations roughly correlate with the existence of the NNI.
- We speculate that the NNI may have created heightened awareness among patentees of nanoscale R&D’s public status. Data to test this possibility is not currently available. We recommend improved monitoring of compliance with existing regulations.

Percentage of USPTO Patents Declaring "Government Interest" (by Year)



Newfield, C and J Macala, . “Declaring Government Interests in Nanotechnology Patents: an Impact of the National Nanotechnology Initiative? *in preparation*”