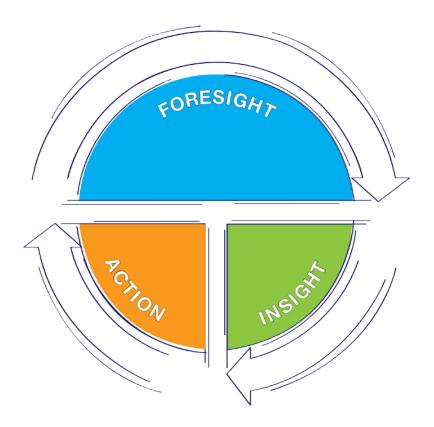
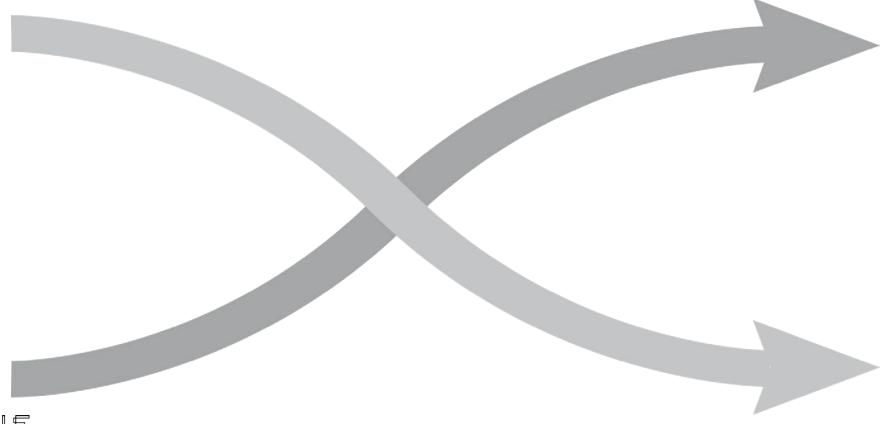


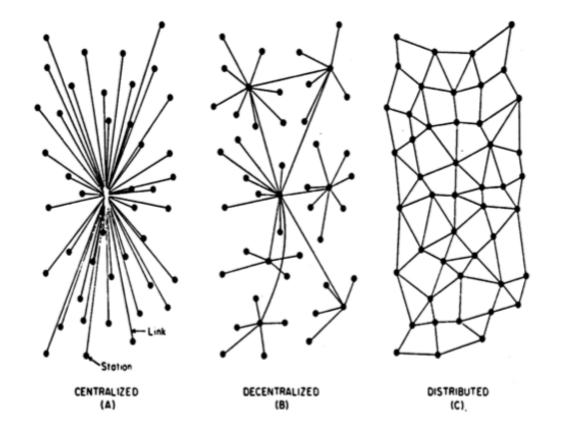
foresight to insight to action





two-curve framework





Paul Baran, On Distributed Communications, 1964



why organization?

The Nature of the Firm

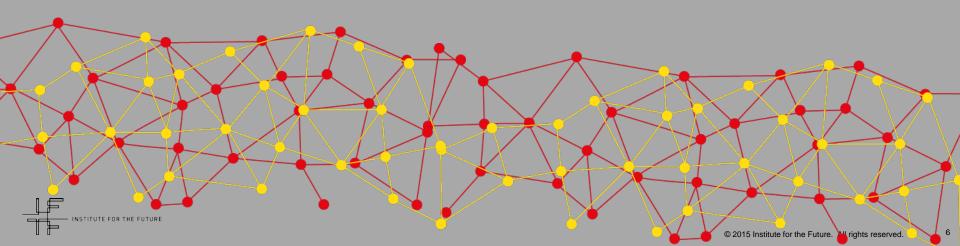
By R. H. Coase

ECONOMIC theory has suffered in the past from a failure to state clearly its assumptions. Economists in building up a theory have often omitted to examine the foundations on which it was erected. This examination is, however, essential not only to prevent the misunderstanding and needless controversy which arise from a lack of knowledge of the assumptions on which a theory is based, but also because of the extreme importance for economics of good judgment in choosing between rival sets of assumptions. For instance, it is suggested that the use of the word "firm" in economics may be different from the use of the term by the "plain man." Since there is apparently a trend in economic theory towards starting analysis with the individual firm and not with the industry, it is all the more necessary not only that a clear definition of the word "firm" should be given but that its difference from a firm in the "real world," if it exists, should be made clear. Mrs. Robinson has said that "the two questions to be asked of a set of assumptions in economics are: Are they tractable? and: Do they correspond with the real world? "3 Though, as Mrs. Robinson points out, "more often one set will be manageable and the other realistic," yet there may well be branches of theory where assumptions may be both manageable and realistic. It is hoped to show in the following paper that a definition of a firm may be obtained which is not only realistic in that it corresponds to what is meant by a firm in the real world, but is tractable by two of the most powerful instruments of economic analysis developed by Marshall, the idea of the margin and that of "The main reason why it is profitable to establish a firm is ... the cost of using a price mechnism (transaction costs)..."

-Ronald Coase, The Nature of The Firm,1937



institutions are a technology and this technology is being disrupted ...



two-curve framework

institutional production

socialstructed creation

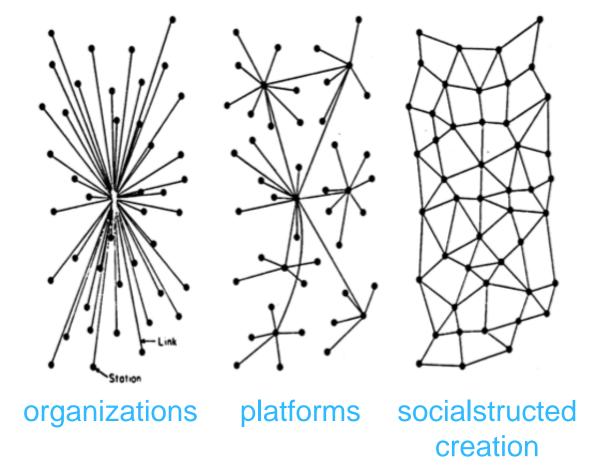




SOCIALSTRUCTING:

creating value by aggregating micro contributions by large networks using social tools and technologies







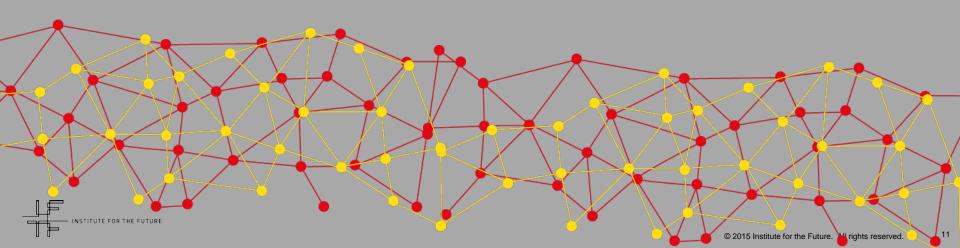


Start an **UBER for X Mobile Venture** Today!

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socialstructed work: new worker archetypes







Work is a string of tasks that shape the rhythm of work in any given day. These workers move in and of multiple microwork platforms











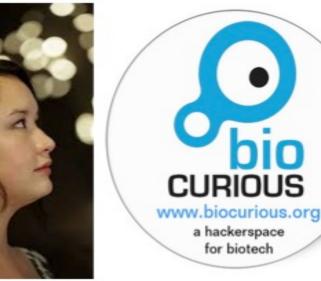
The "recombiners" – they train, code, and find creative solutions to streamline processes and enable disruption





Amplified Entrepreneur

Work is an adventure for these selfstarters, who reject career ladders and organize work as a series of passion-driven projects



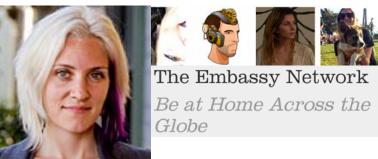


Dream Builder

Balancing jobs and careers that pay the rent with passion projects and big dreams that make the future



The Red Victorian is a hotel, residence, and social club for creative thinkers and innovators.

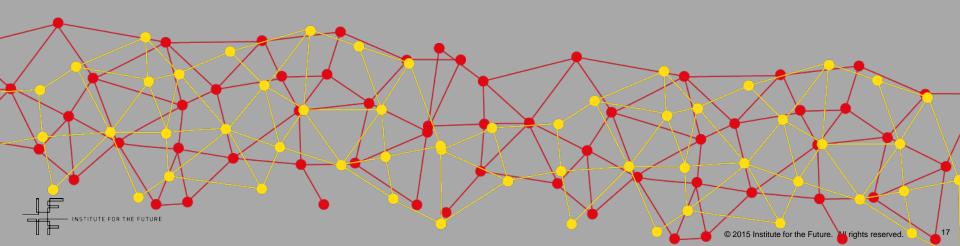




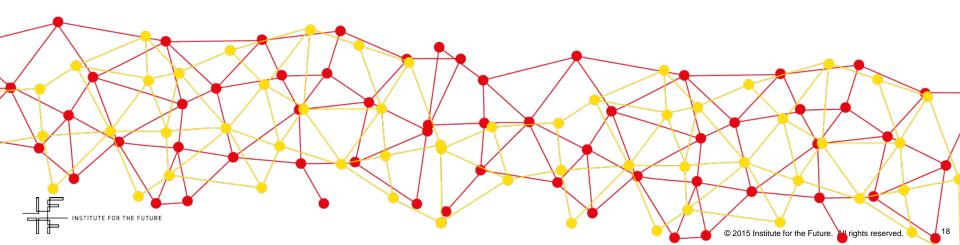
Culture Hacker

Hacking culture to break down divisions between work and life, colleagues and friends, profession and family

socialstructed science: everyone's a scientist



lightweight research tools



The New York Times

NEW YORK, SUNDAY, DECEMBER 15, 2010

Home Labs on the Rise for the Fun of Science

One day Kathy Ceceri noticed a tick on her arm and started to worry that it was the kind that carried Lyme disease. So she went to her home lab, put the tiny arachnid under her microscope, which is connected to her computer through a U.S.B. cable, and studied the image.









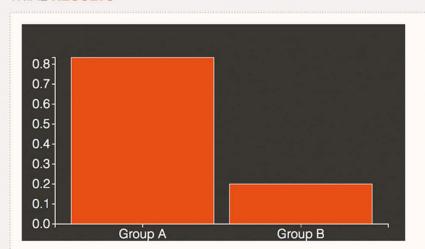




Recruiting Trial

Do my new trainers make me run faster?

TRIAL RESULTS



Number of 11 observations:

P-value for Pearson's 0.135573053751 Chi-squared test



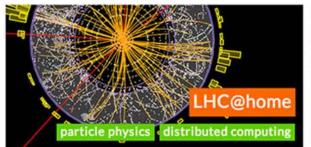
data analysis

distributed computing

education

open source

competition



By donating your computer's idle time, you can help particle physicists study the nature of dark matter, antimatter and mass in our universe. LHC@home is a distributed computing project that helps scientists compare theories with experiments in the search for new fundamental particles. By contributing spare...



A competition to create innovative energy storage for lunar rovers to use during their 14-day-long lunar night. Energy storage solutions will be tested in temperatures as low as -177 Celsius and as high as 25 Celsius. Phase 2 of the competition will also expose energy storage solutions to low pressures in addition to...



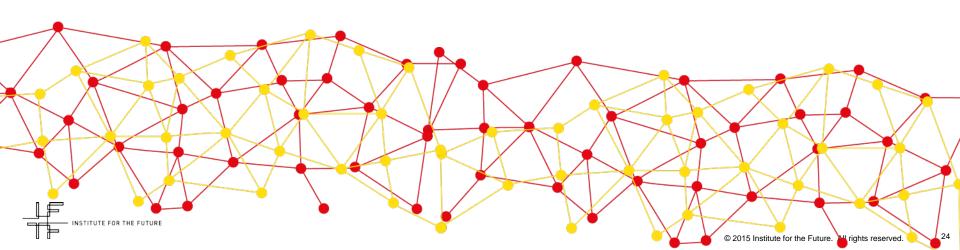
An open source 3D interactive world viewer created by NASA's Learning Technologies project, released in mid-2004. It is now developed by NASA staff and open source community developers. World Wind lets you zoom from satellite altitude into any place on Earth. Leveraging Landsat satellite imagery and Shuttle Radar...



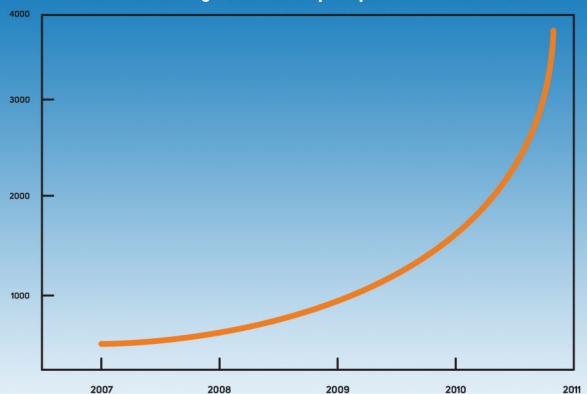


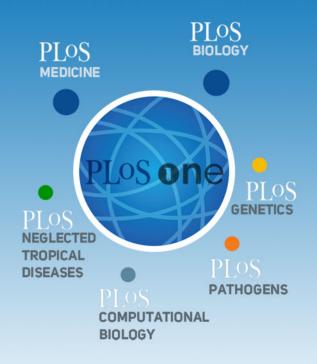


open science data



Publications by PLoS ONE per quarter since launch







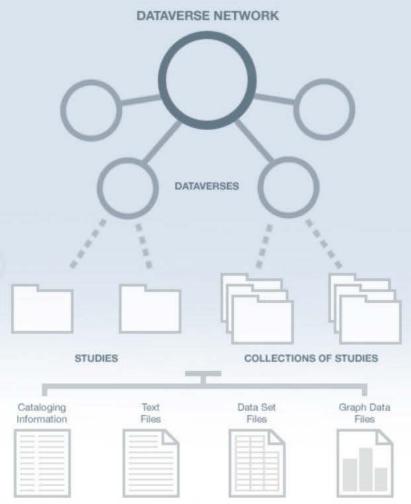


A Web Application for Sharing, Citing, Analyzing and Preserving Research Data

A repository for research data that takes care of long term preservation and good archival practices, while researchers can share, keep control of and get recognition for their data.

Supports the sharing of open data and enables reproducible research.





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benchfly HOT VIDEO PROTOCOLS!









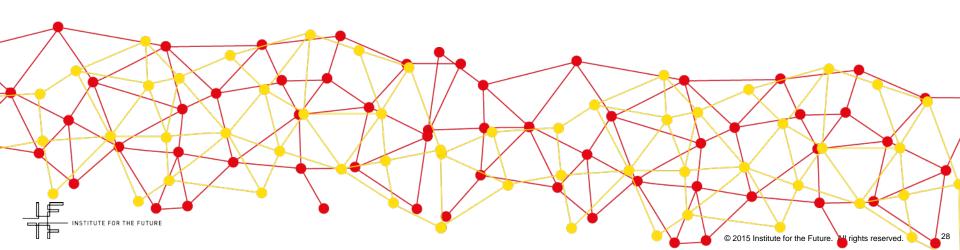




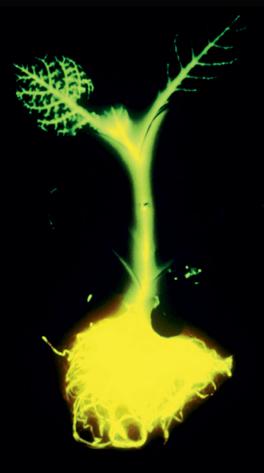




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GLOWING PLANT PROJECT



KICKSTARTER

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backers

\$484,013

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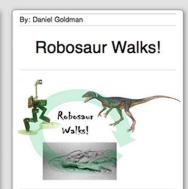
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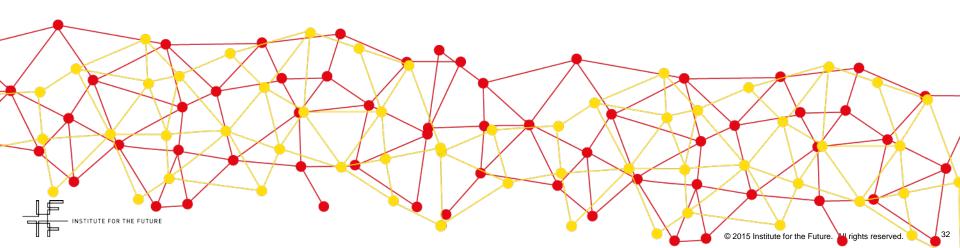








alternative science communities







New York City's Community Biolab

Student Programs

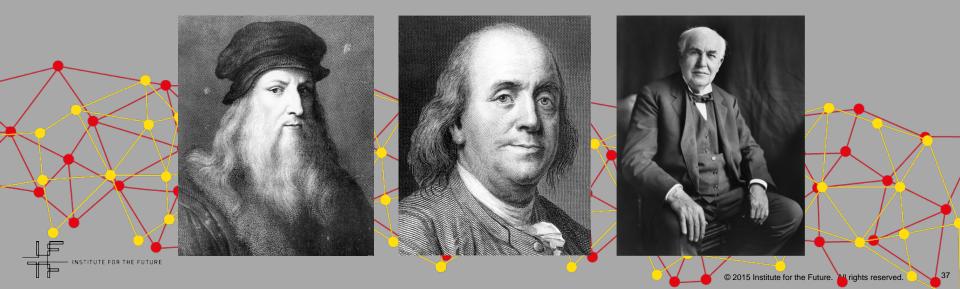
Science competitions, student internships, and more!







science was not always done through large institutions



when to jump the curve

the key innovation challenge is deciding when to shift from the first curve to the second curve...





TEN-YEAR FORECAST 2015

ECONOMIES OF THE FUTURE

