## INFLECTION POINTS

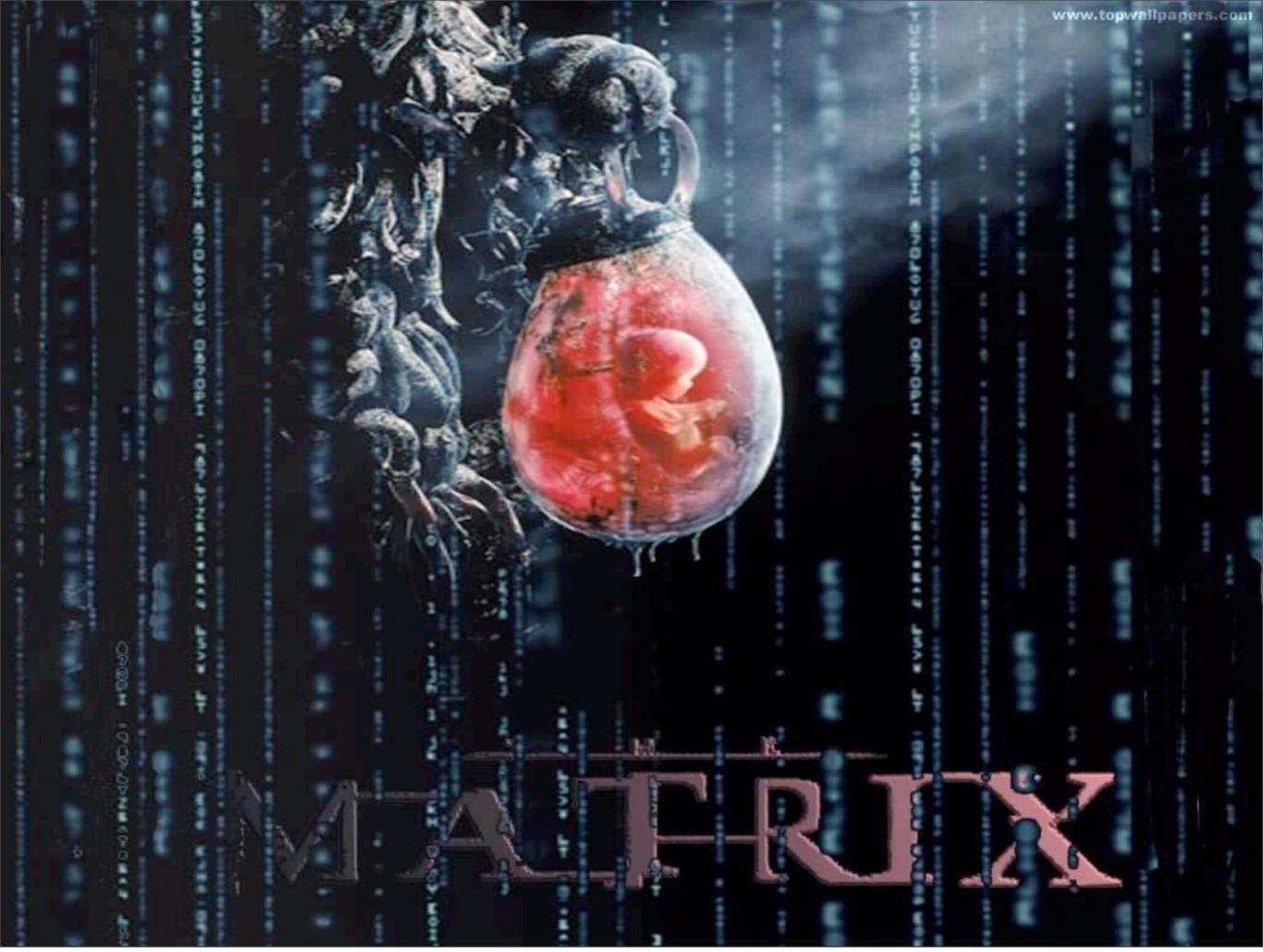
Jamais Cascio Research Fellow, Institute for the Future February 4, 2010





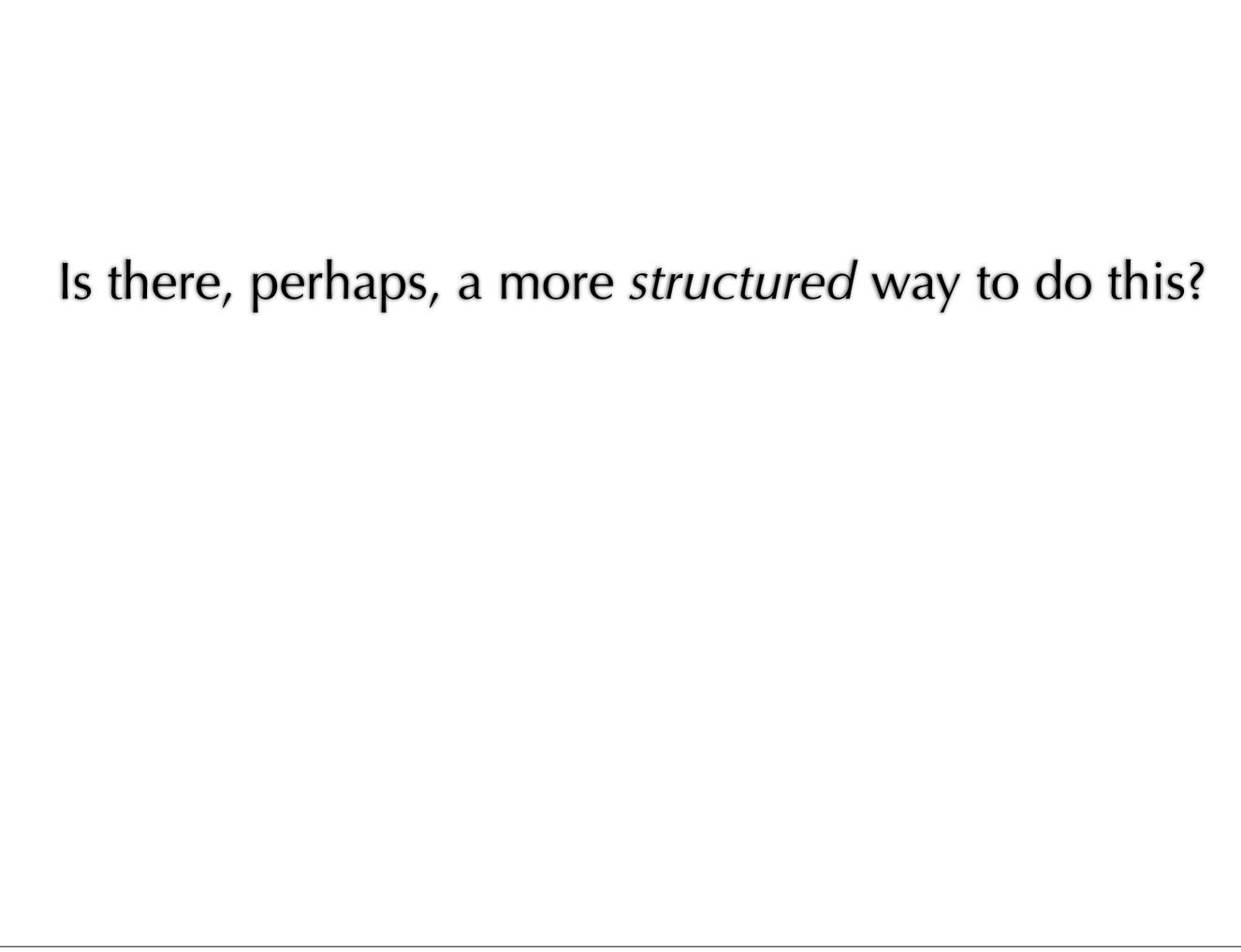






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Is there, perhaps, a more structured way to do this?

Yep. "Strategic Foresight."

## Scenario Planning

competition

OUT OF CONTROL

Taxes and Allies

short-term thinking

long-term thinking



Djinni in a Bottle

collaboration

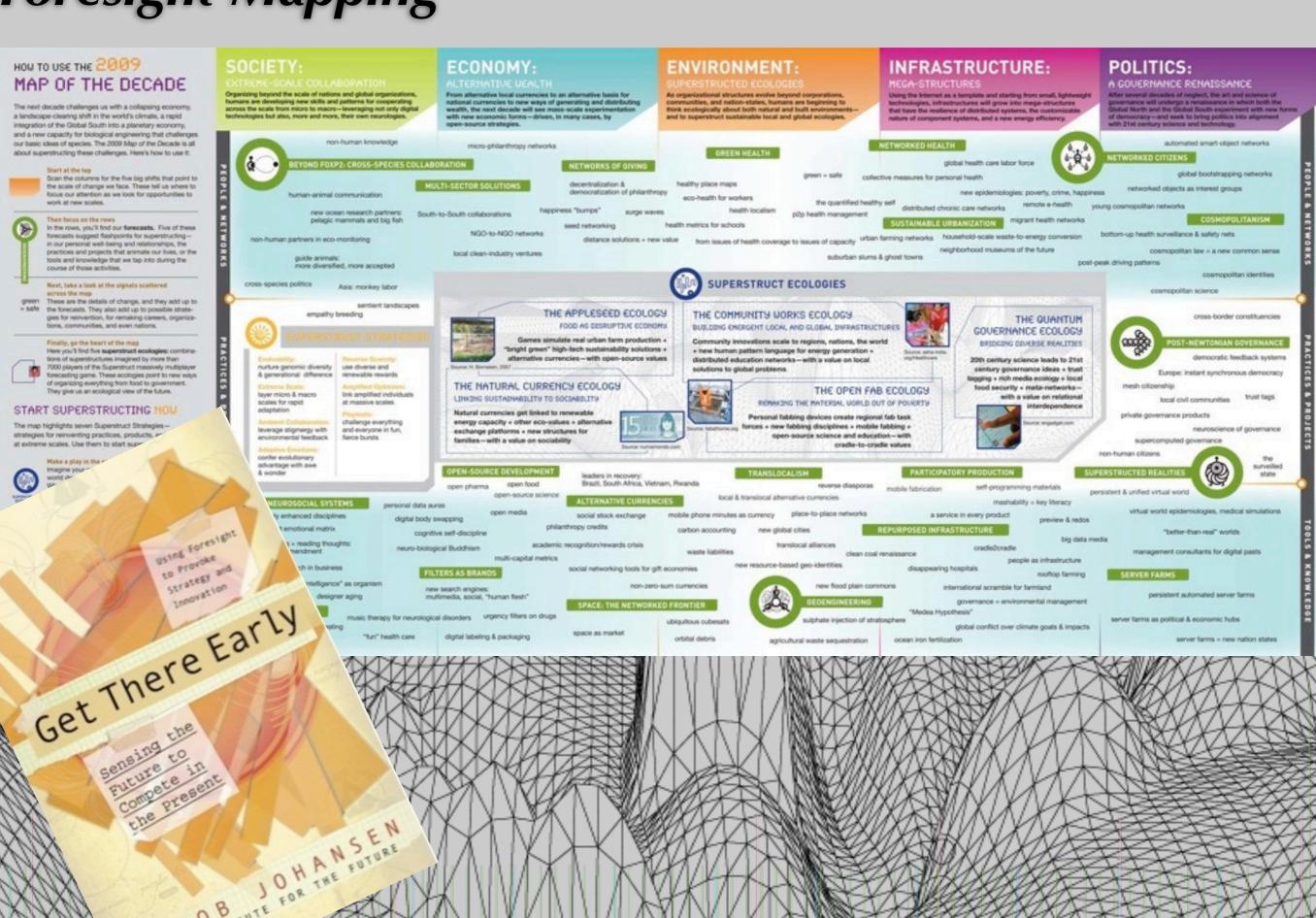
## Scenario Planning...

Tells stories about the future
Forces divergent thinking
Allows straightforward comparison of outcomes
Creates memorable examples

But...

Tends to over-simplify
Becomes obsolete quickly
Tends towards the "cinematic"

## Foresight Mapping



## Foresight Mapping...

Emphasizes connections
Allows complex relationships
Focuses on "signals" and early indicators
Tends to remain useful over time

## But...

More difficult to understand at a glance Less likely to elicit surprises Doesn't demand internal consistency







In the 21st century, humans are learning to collaborate on scales we have never dreamed of in the past. Existing large organizations like corporations and governments will leverage new tools and practices for human organizations, but bottom-up innovations will continually disrupt these centrally coordinated efforts by appropriating scale. That is, centralized orgs will

## THE QUESTION OF SCALE

This will be some very insightful text about the issues of scale. And we'll play with lots of the ideas about collaboration beyond the level of the group, and group-to-group communication, and mesh-to-mesh communication. And then this will be some very insightful text about the issues of scale. And with lots of the ideas about collaboration beyond the level of the group, and group-to-group communication, and mesh-to-mesh communication.

## THE QUESTION OF DEMOCRACY

This will look at directions in civil society; whether or not so-called civil society responses really work, and the debates that are being introduced there, and what it will mean perhaps to have the Big Plans people (government and business) alligned against populist stances. And probably also something about the rise of morality and the impact of that the social fabric. Or it might be something entirely different.

Tagcloud, tagclo







## Immersive Futures...

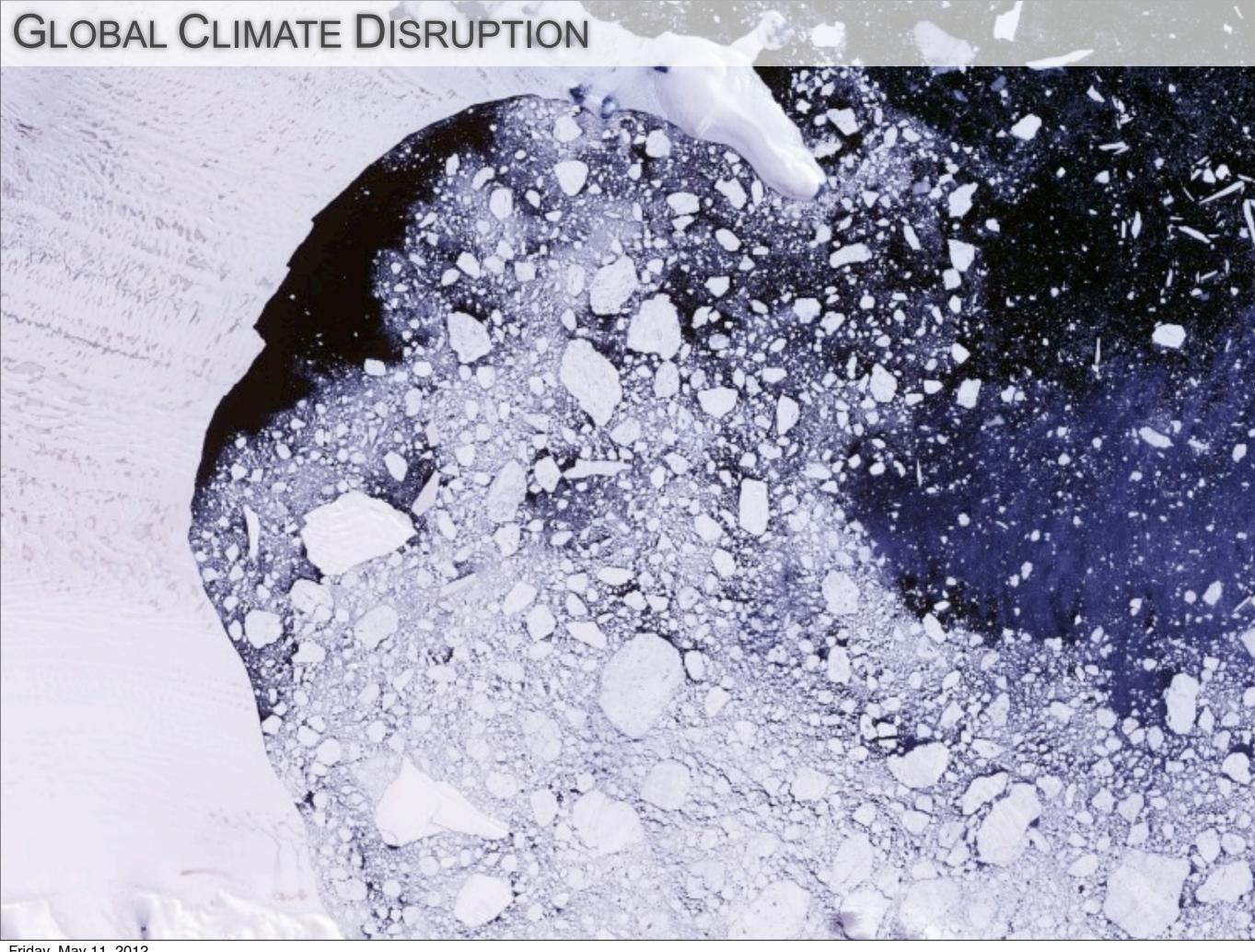
Trigger visceral reactions
Emphasize experience
Create "plausibly surreal" artifacts of the future
Use provocation as a way of eliciting insight

## But...

Can be a challenge to do well Require time to "live in" the future experience Can provoke unexpectedly strong reactions



What we often think of...





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## RESOURCE COLLAPSE



## TERROR



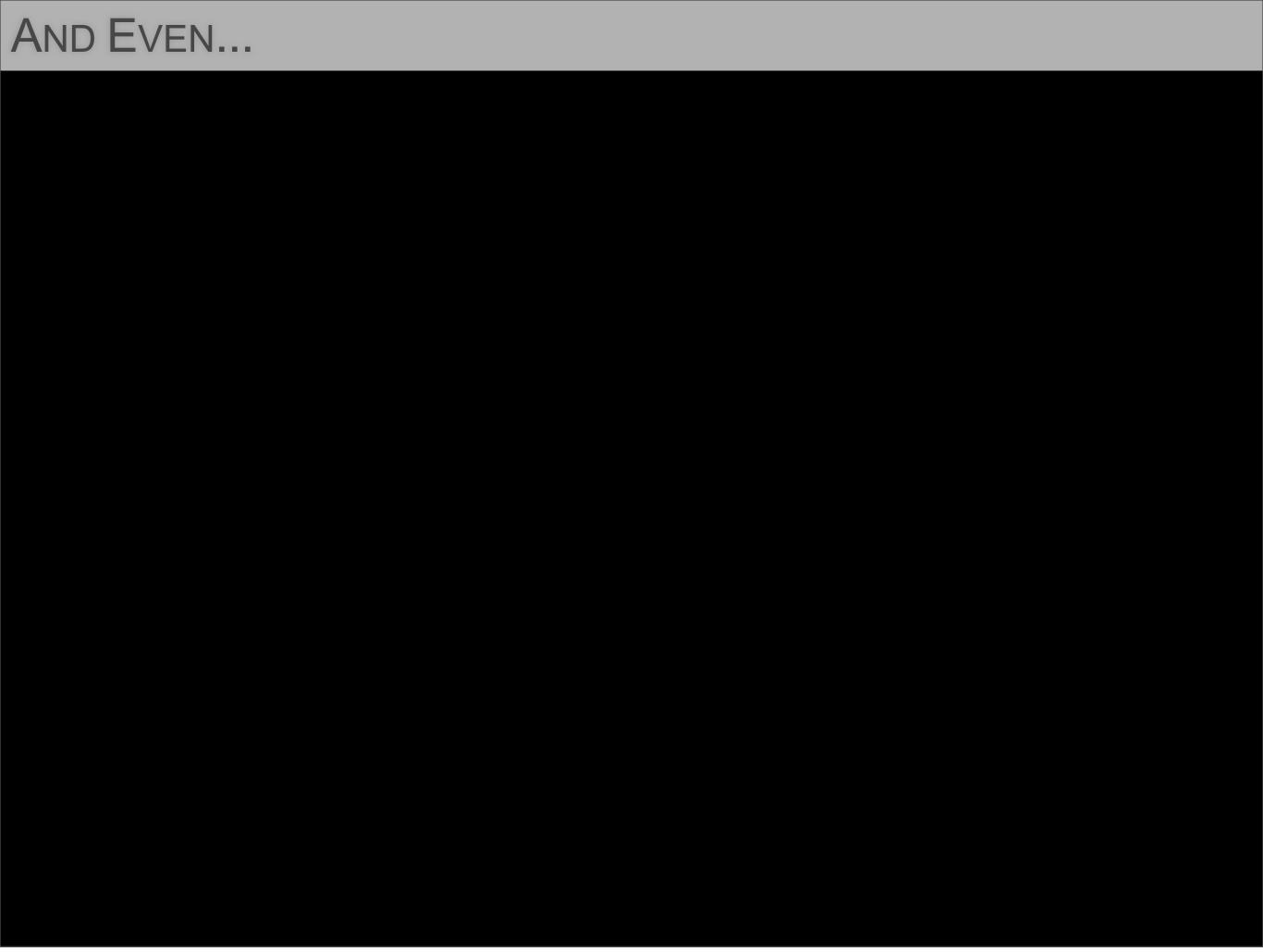
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## WAR



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## AND EVEN...





## NEW WAYS TO LIVE



# CHEAP, DISTRIBUTED ENERGY

## "LEAPFROG" DEVELOPMENT



# NEW ECONOMIC MODELS

## EMERGENT POLITICAL NETWORKS

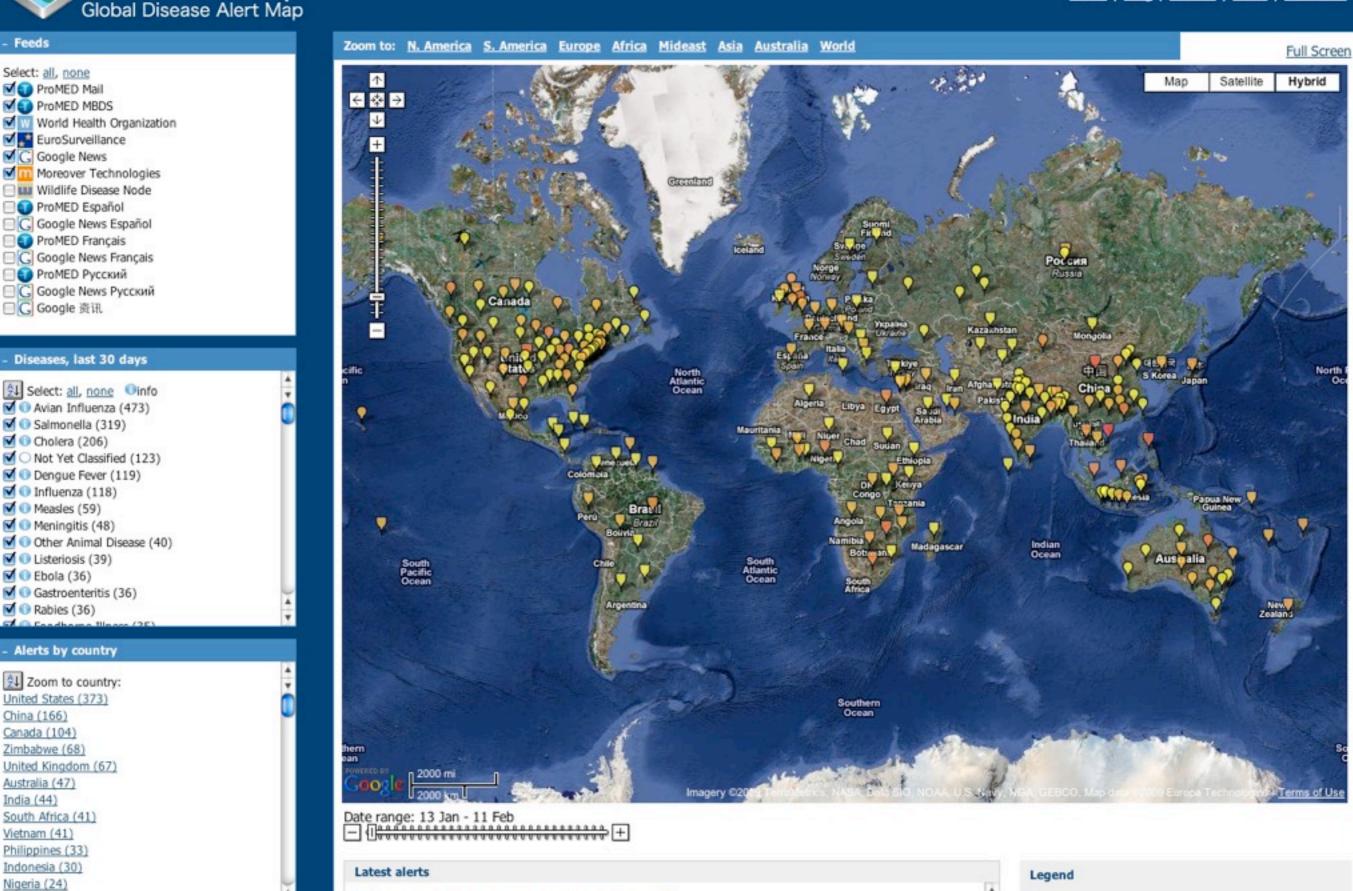
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## NEW TOOLS FOR WATCHING THE WORLD



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ALERT: There are 71 days left to register for the Open Architecture Challenge

PROJECTS

CHALLENGE

## Maker Faire

## May 3 & 4

San Mateo **Expo Center** 

## LEARN TO MAKE AND CRAFT:

- Robots = Rockets = Bicycles = Cars = Electronics = Sustainable Food
- Alternative Energy Sewing Circuit Boards Crafts Photography
- Art Cars Musical Instruments Pinball Knitting Wood Working









## FEATURING 400+ MAKERS, INCLUDING:

- The Crucible Swap-O-Rama-Rama Bazaar Bizarre Combat Robots
- Cvclecide Homegrown Village Exploratorium ArtGolf Live Music
- MakerKids = Village Blacksmith = Life-Sized Mousetrap = TechShop
- Neverwas Haul = Calcars.org = MAKE Play Day = 19' Tesla Coil Twins
- Science Buzz Café Maker Store MAKE & CRAFT Labs

Introducing a Special Evening Program, Saturday, May 3rd from 6-10pm featuring: Fire Arts. Power Tool Drag Racing, Flaming Lotus Girls, Musical Acts, Steampunk Spectacular and more...

















## California Wild

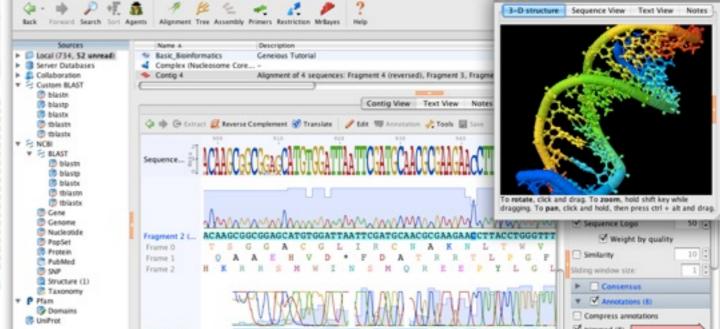
This week wildfires ha California. Their path unpredictable and dev homes from Los Ange Diego, the local chapt Humanity, and Archite Angeles have been we responding to volunte Stadium and other ve

If you are interested i for Humanity's efforts PayPal below. | Learn

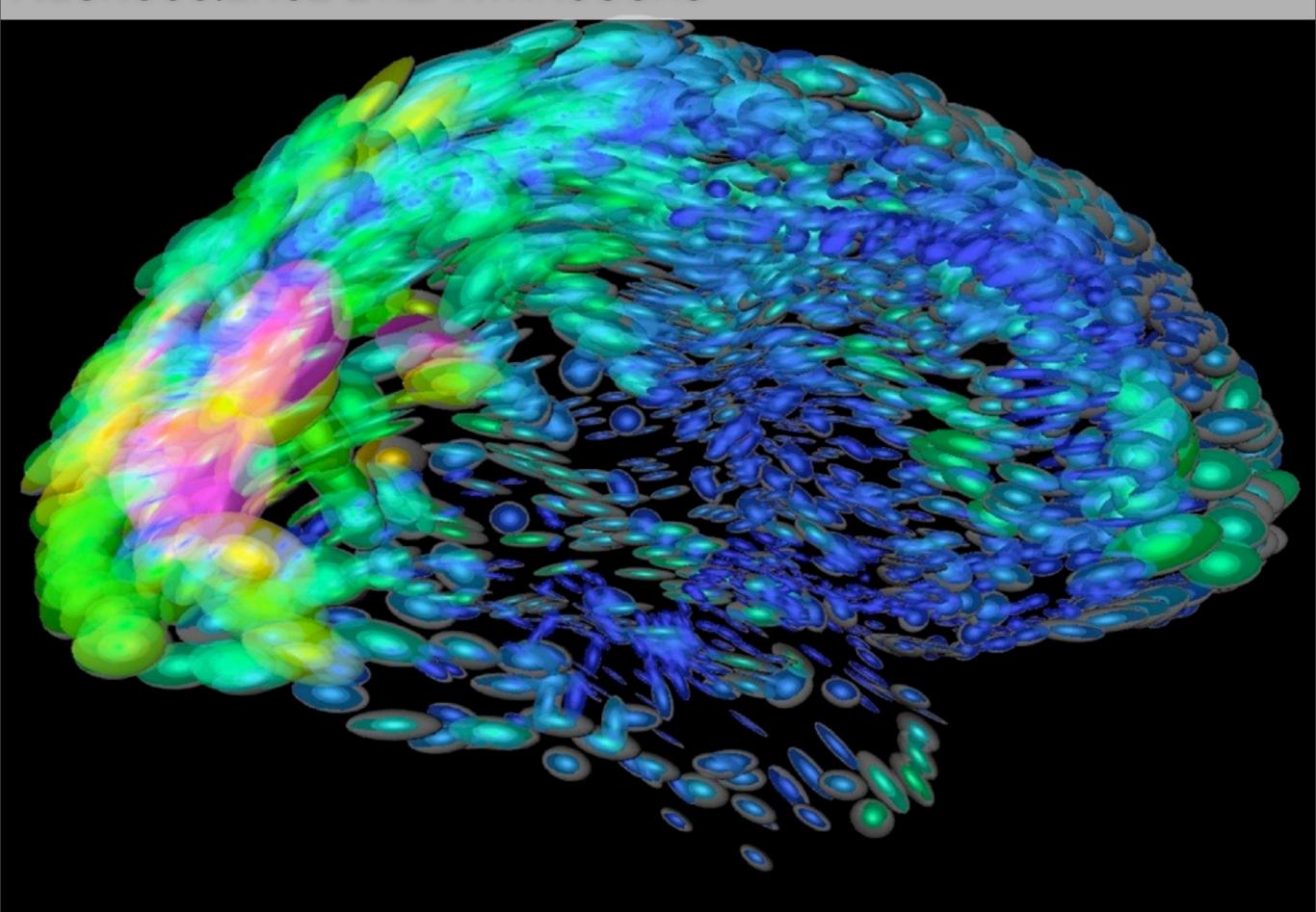
## Own the Day! Support the OAN: Novemb

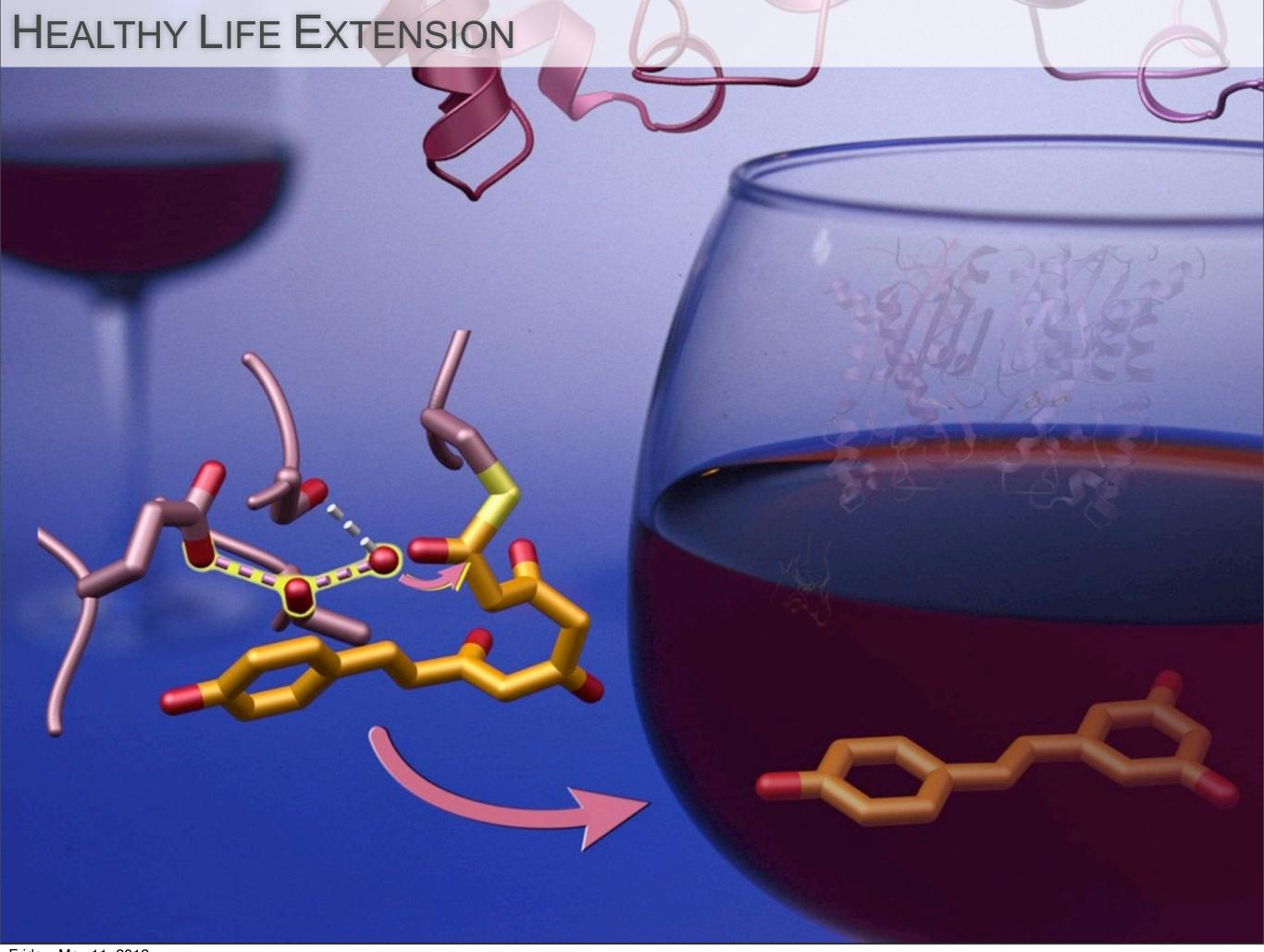
Want to see your YOU C architect

A C Deaxyribonucleic Acid (1LWA) (Structure)



## NEUROSCIENCE BREAKTHROUGHS

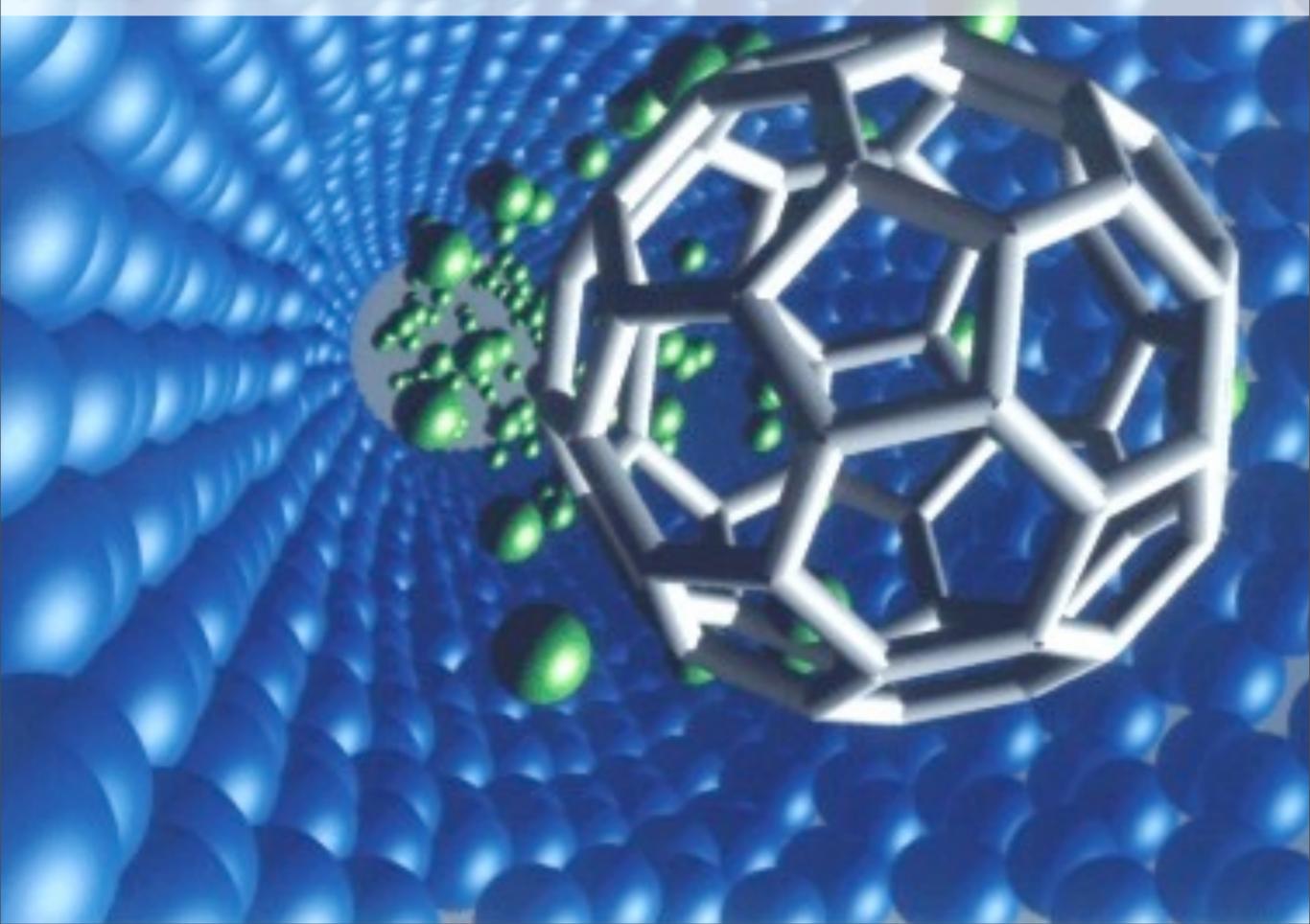




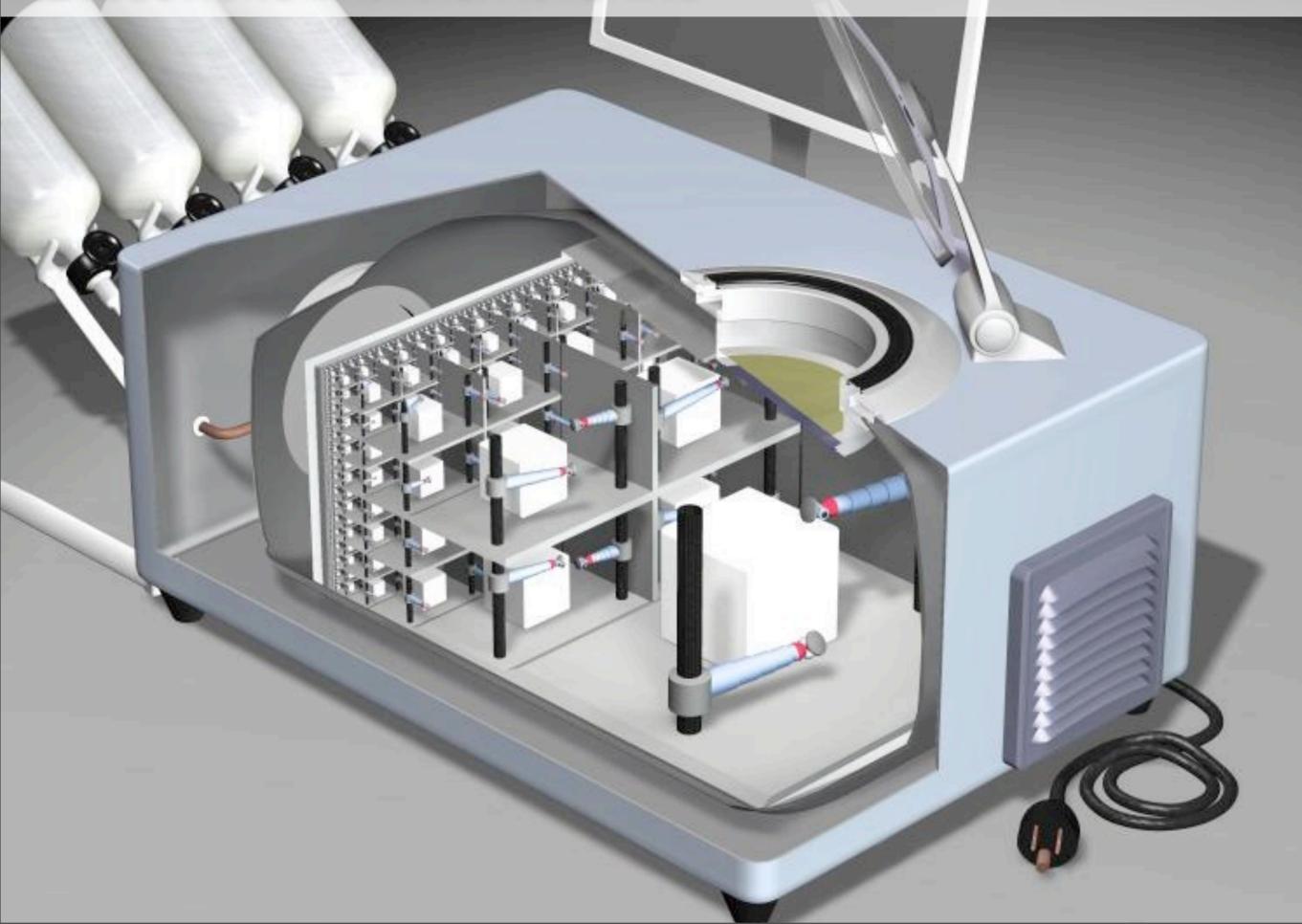
#### ENVIRONMENTAL TRANSPARENCY

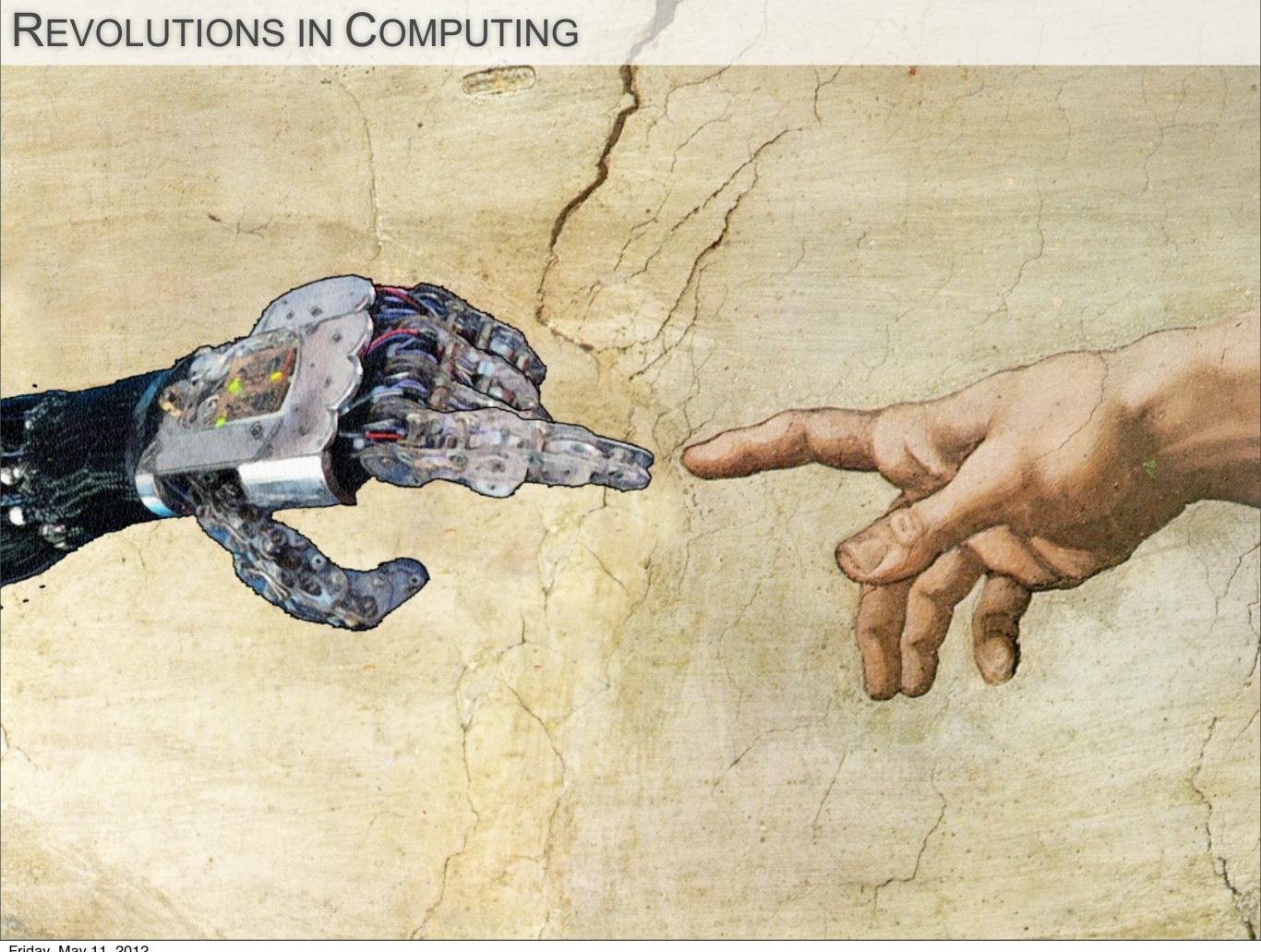


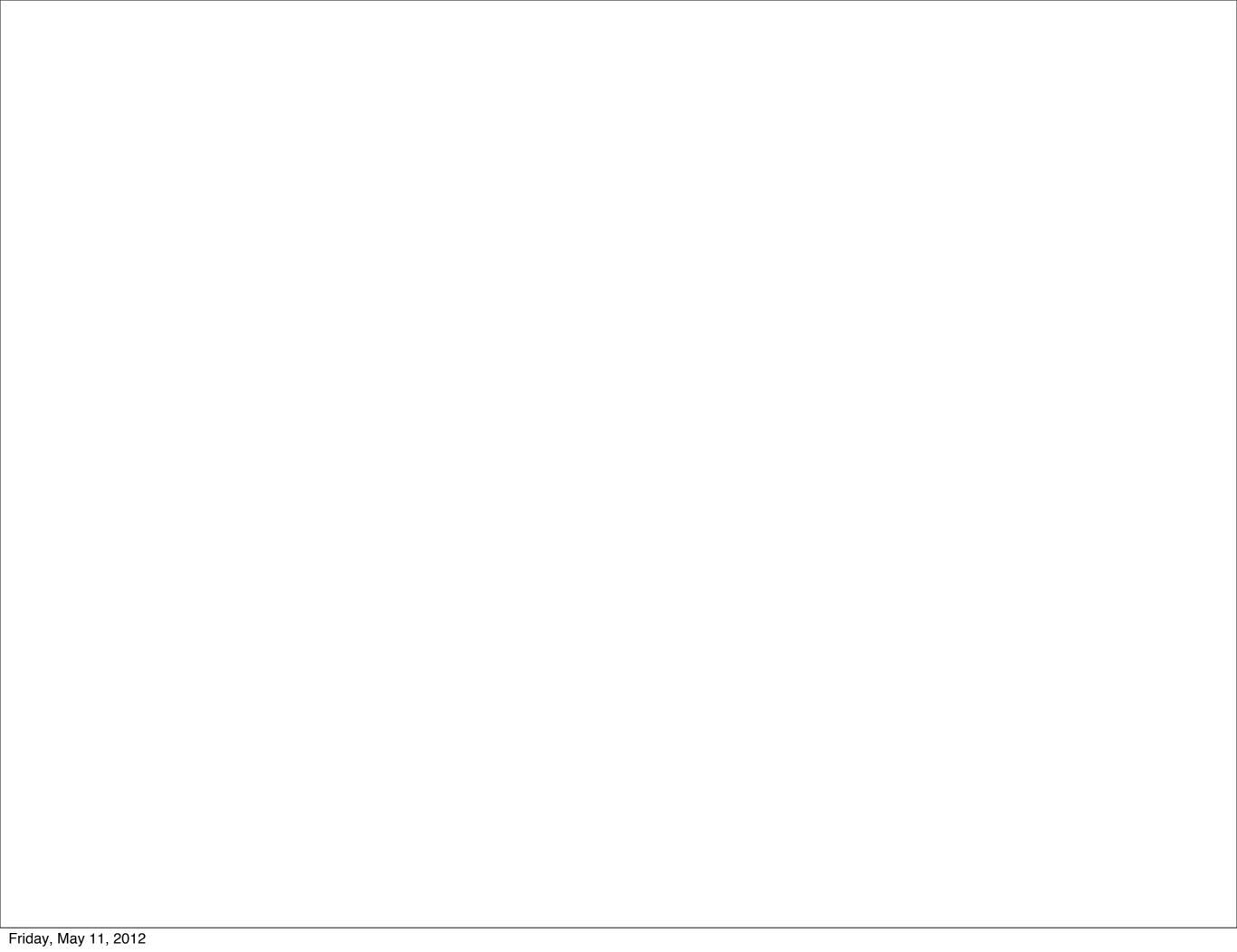
### TRANSFORMATIVE MATERIALS



### REVOLUTIONS IN MANUFACTURING







# CRITICAL TENSIONS FOR THE NEXT HALF-CENTURY

# Tension #1: new innovations undermine core institutions

Bottom-up drivers enable greater collaboration and participation, but also greater instability.

This is a future of *Open Source Design* and *Global Guerillas*. This is a world where power comes from the **Commons**.

# Tension #2: new technologies co-evolve with new rules

Technology-driven changes enable more sharing of information and ideas, but abandon the remnants of old intellectual property and privacy rules.

This is a future of the *Smart Cities* and *Augmented Reality*. This is a world where power comes from **Connections**.

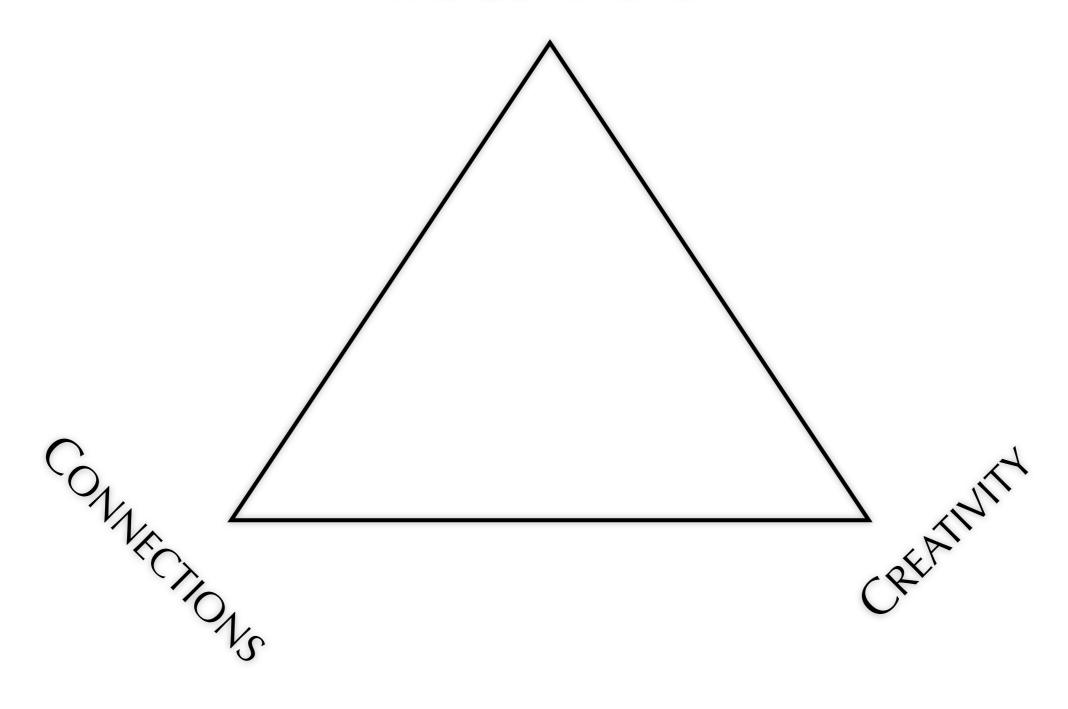
# Tension #3: big-picture challenges force radical choices

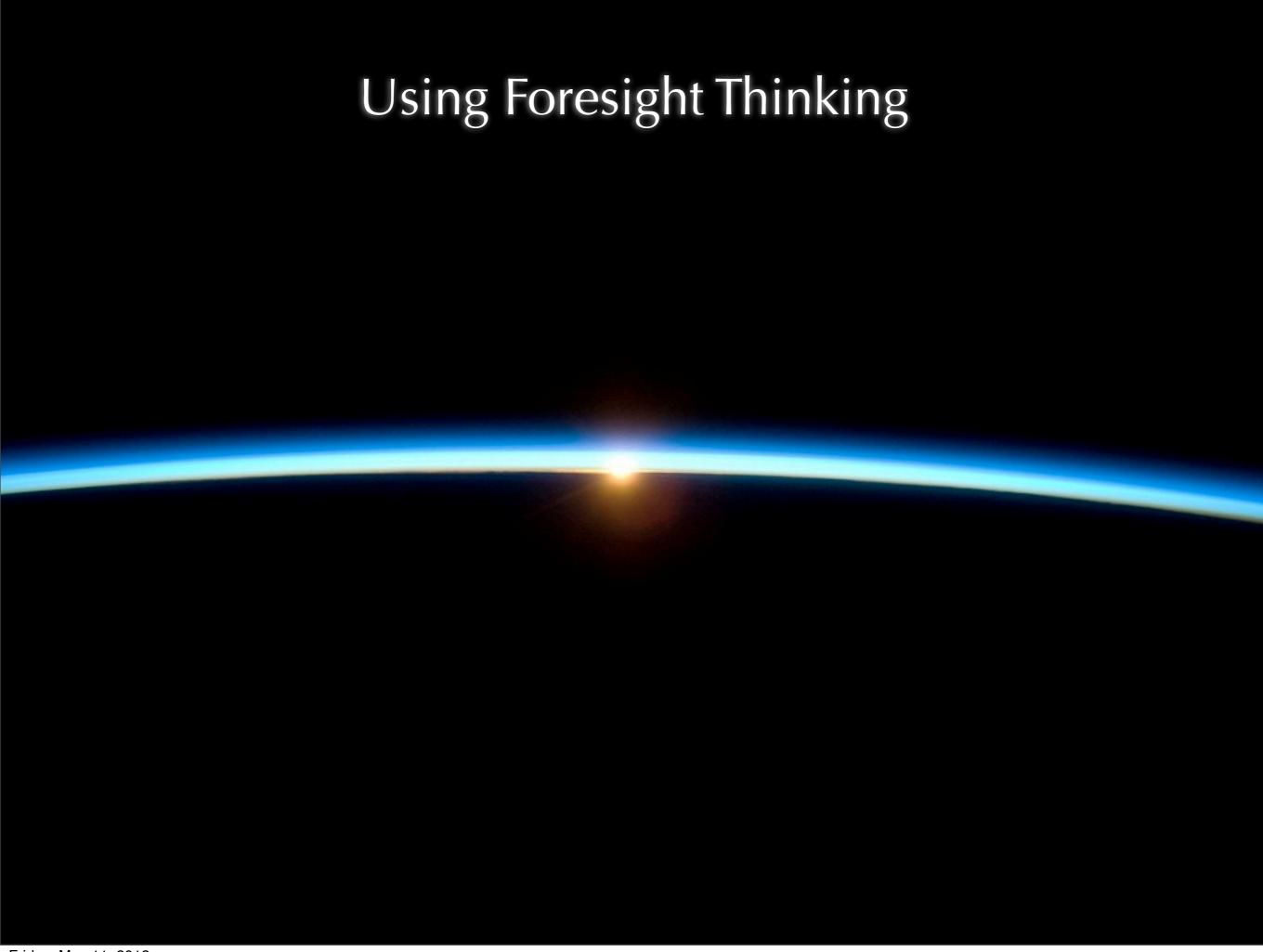
Catastrophe and Opportunity combine to drive the creation of new economic, political, and social models.

This is a future of *Massive Disruptions* and *Unanticipated Consequences*.

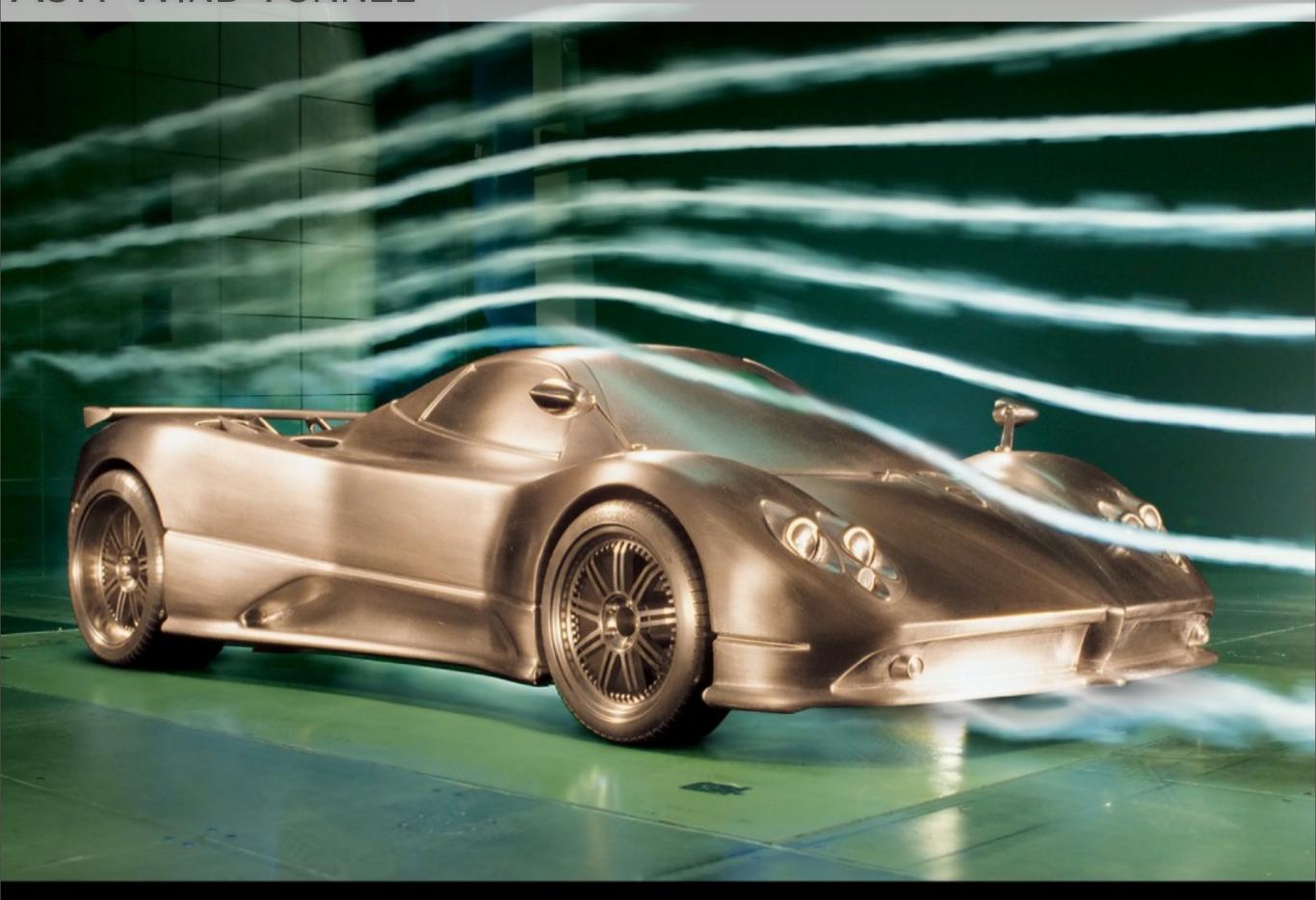
This is a world where power comes from Creativity.

#### THE COMMONS





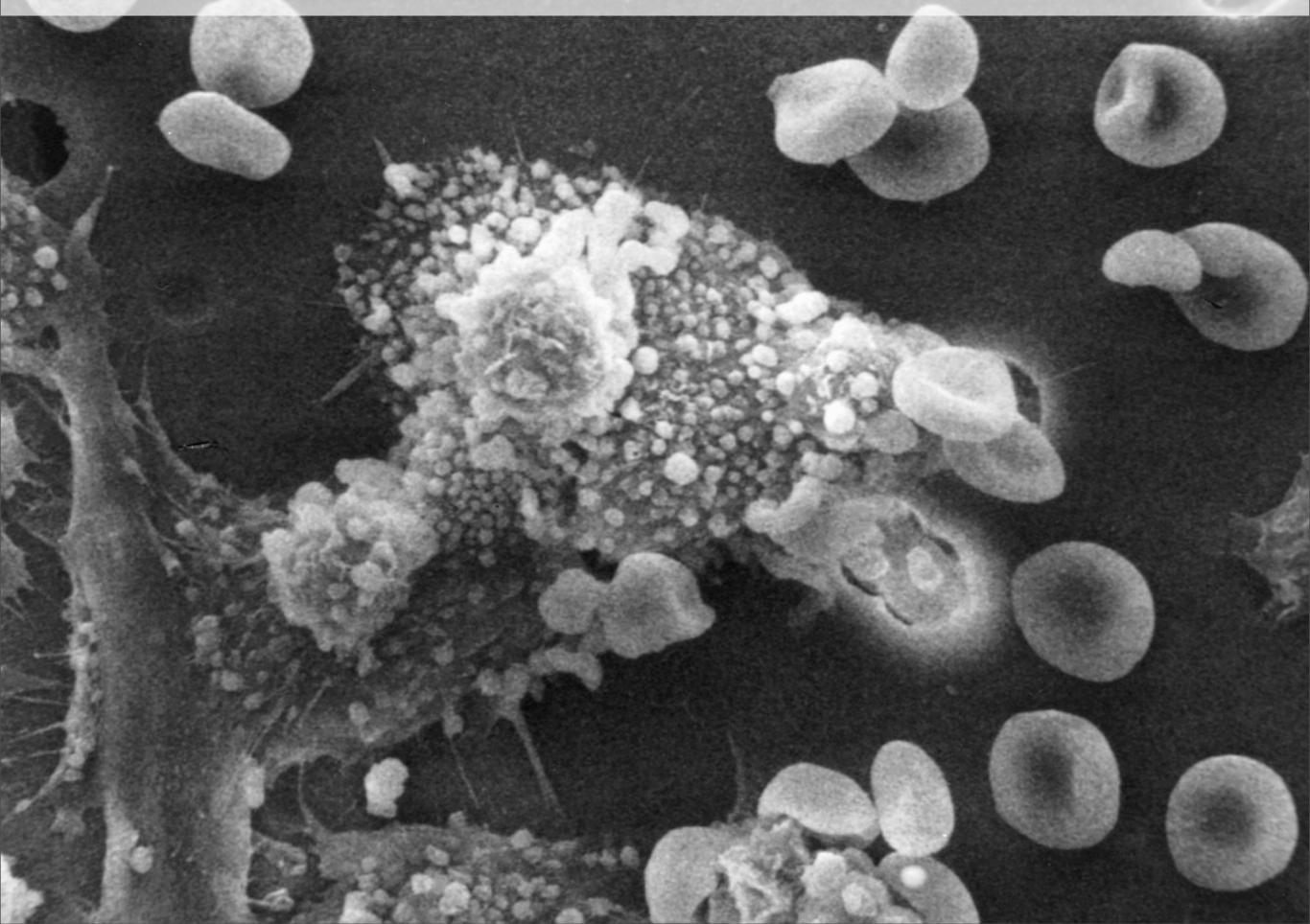
# AS A "WIND TUNNEL"



#### AS A "WIND TUNNEL"

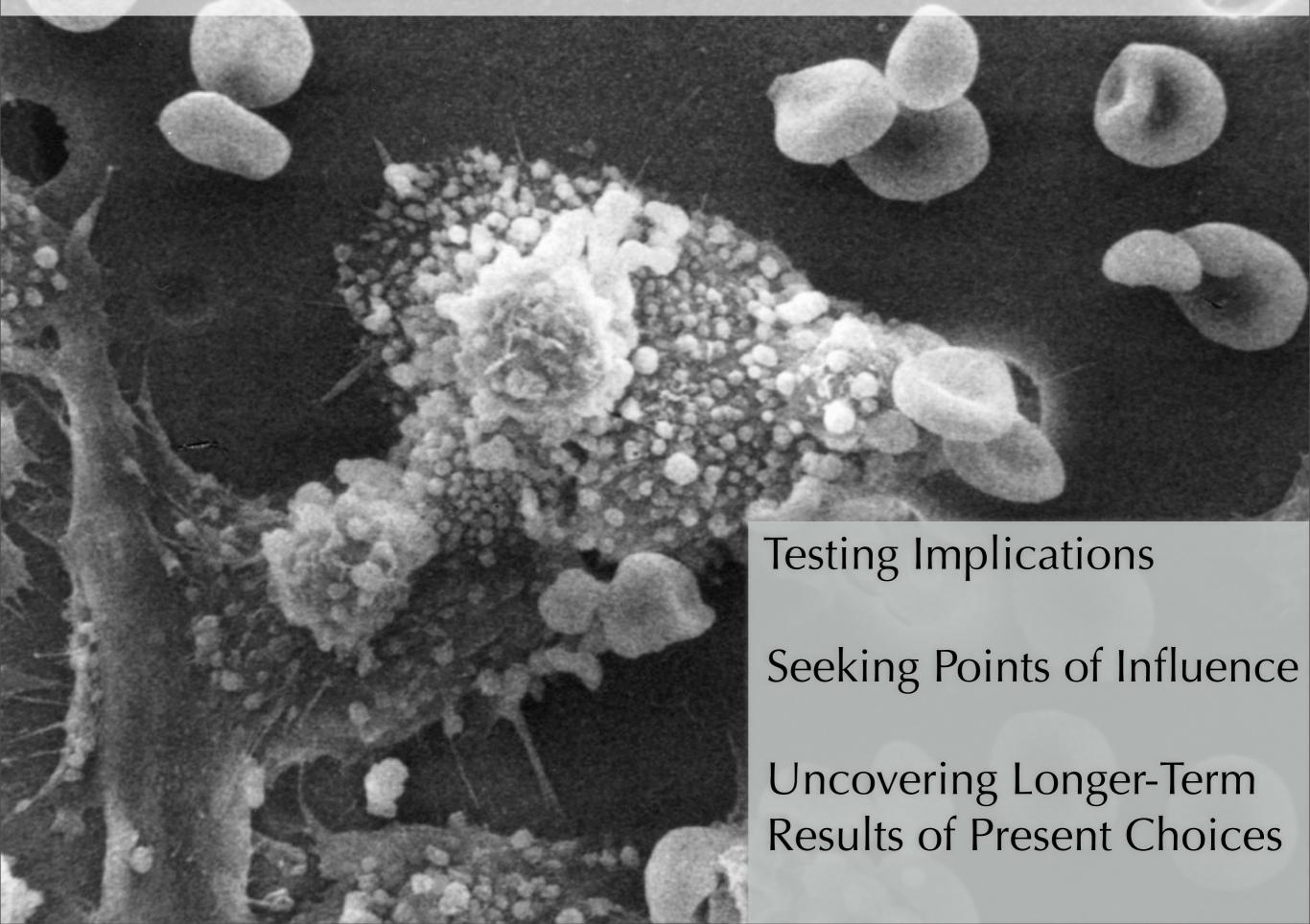


## AS AN "IMMUNE SYSTEM"



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#### AS AN "IMMUNE SYSTEM"

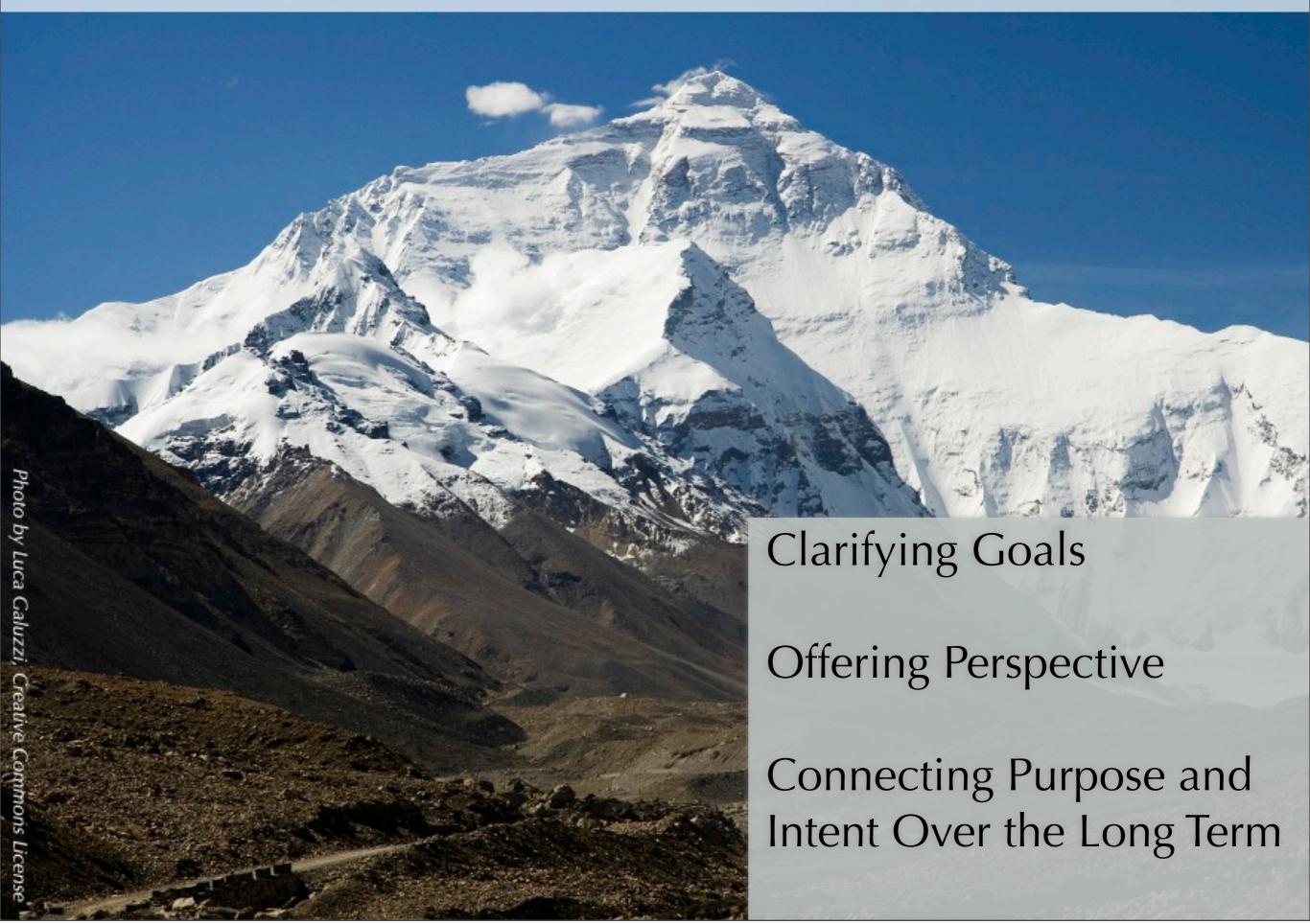


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### As a Challenge



#### AS A CHALLENGE



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# Jamais Cascio

cascio@openthefuture.com Twitter:@cascio