

Foresight 101

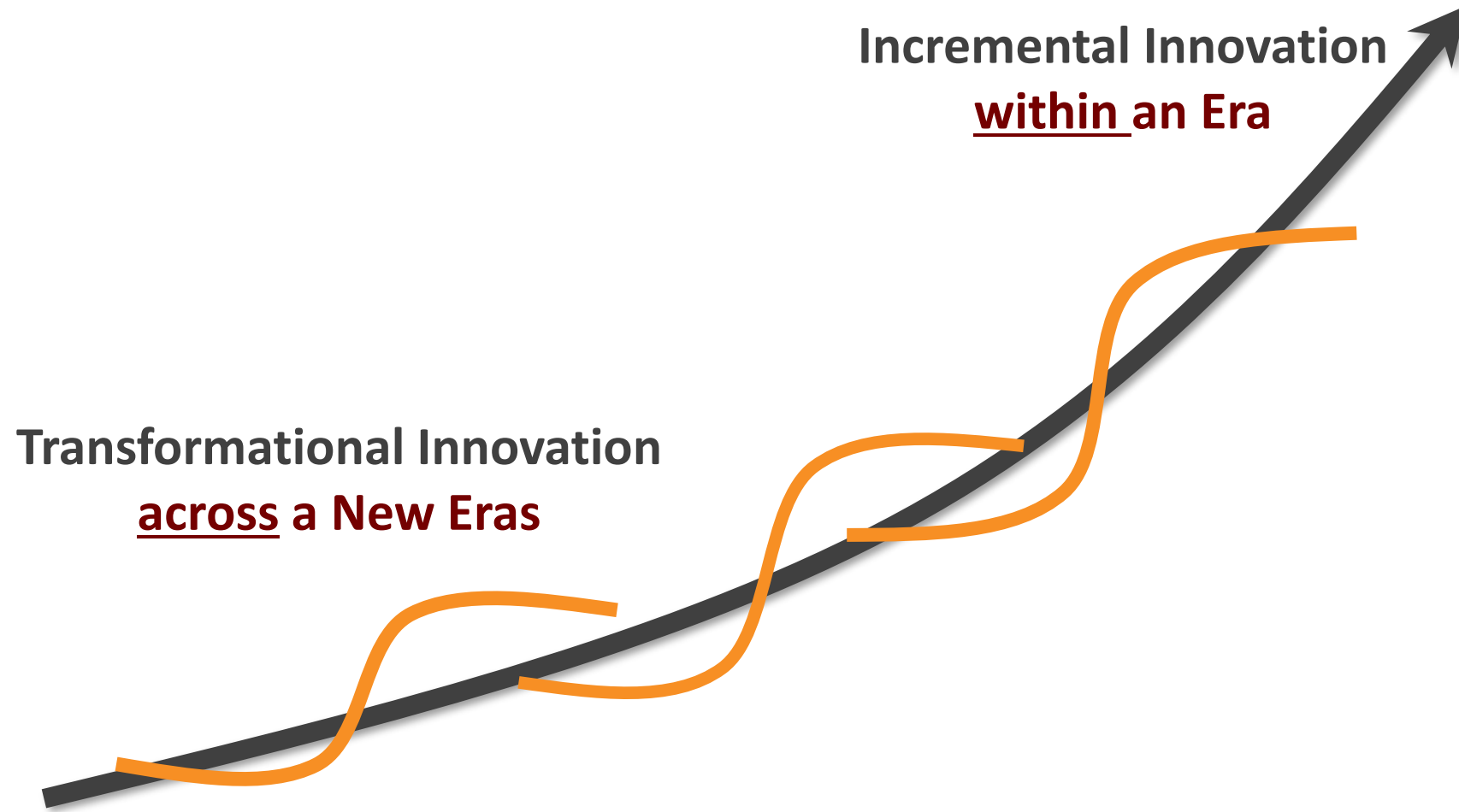
# The Art & Science of Foresight and the Creative Future



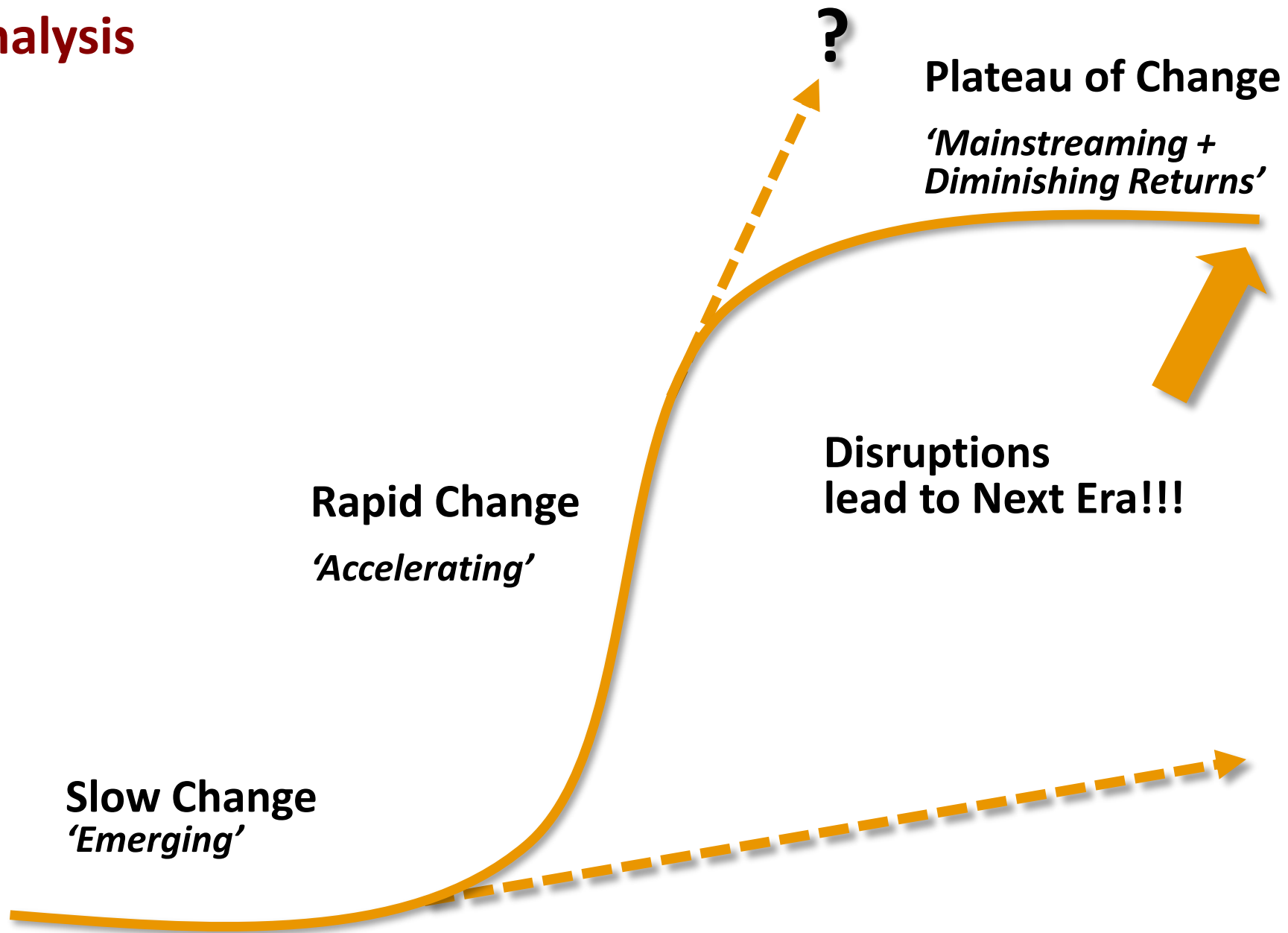
**GREY**  
April 10, 2019

**Garry Golden**  
Forward Elements

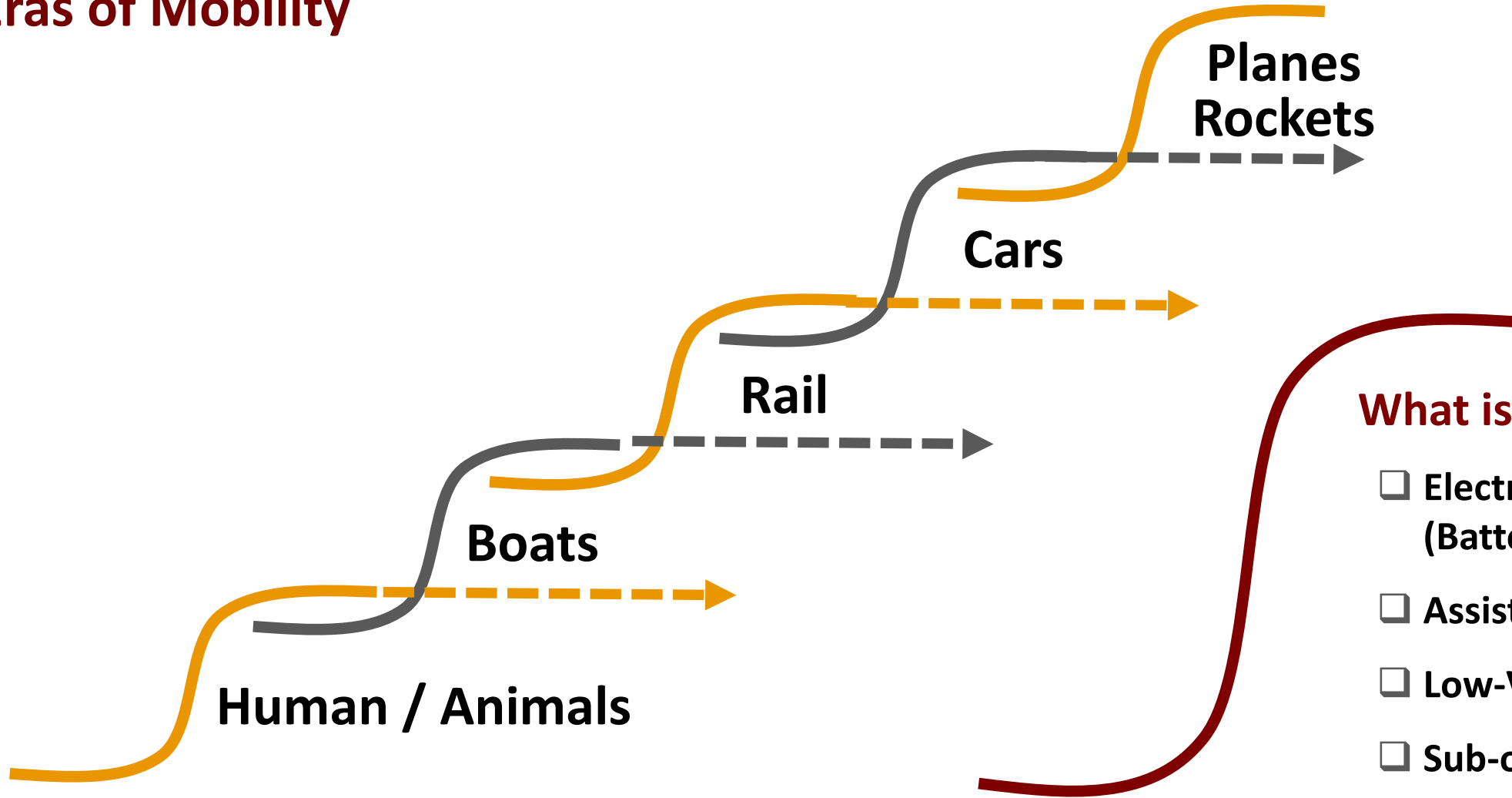
# Era-based Growth Strategies



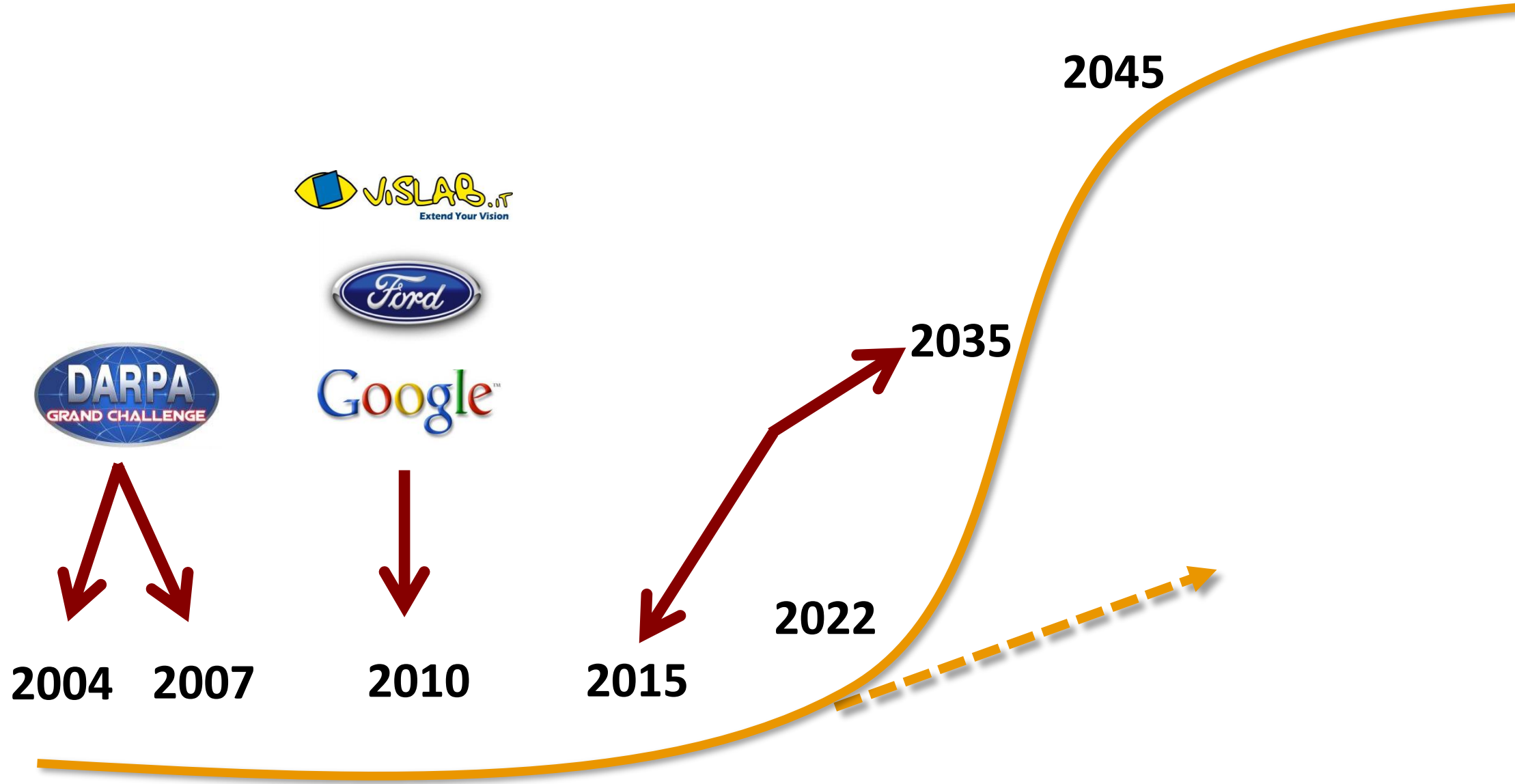
# S-Curve Analysis



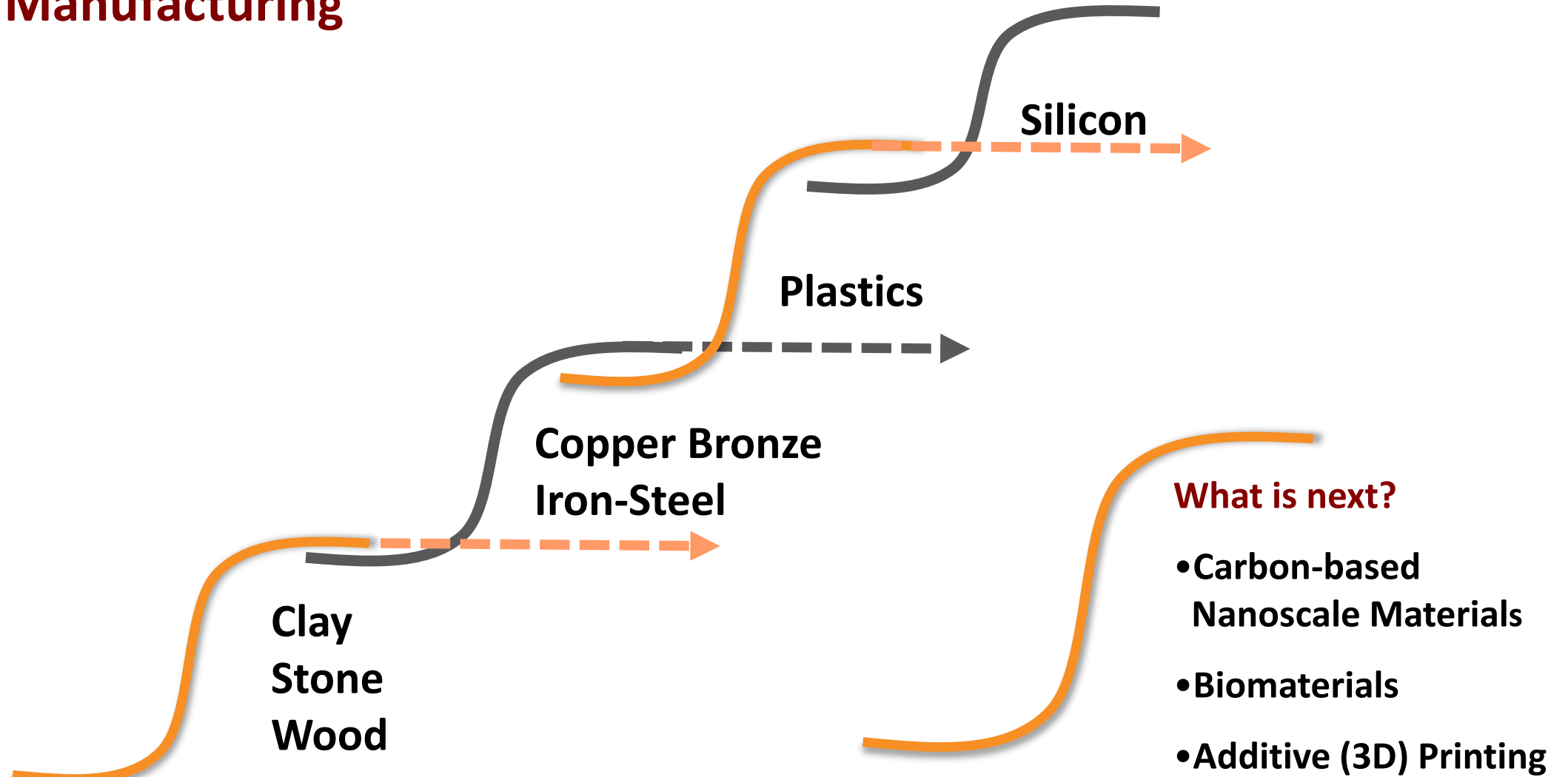
# Eras of Mobility



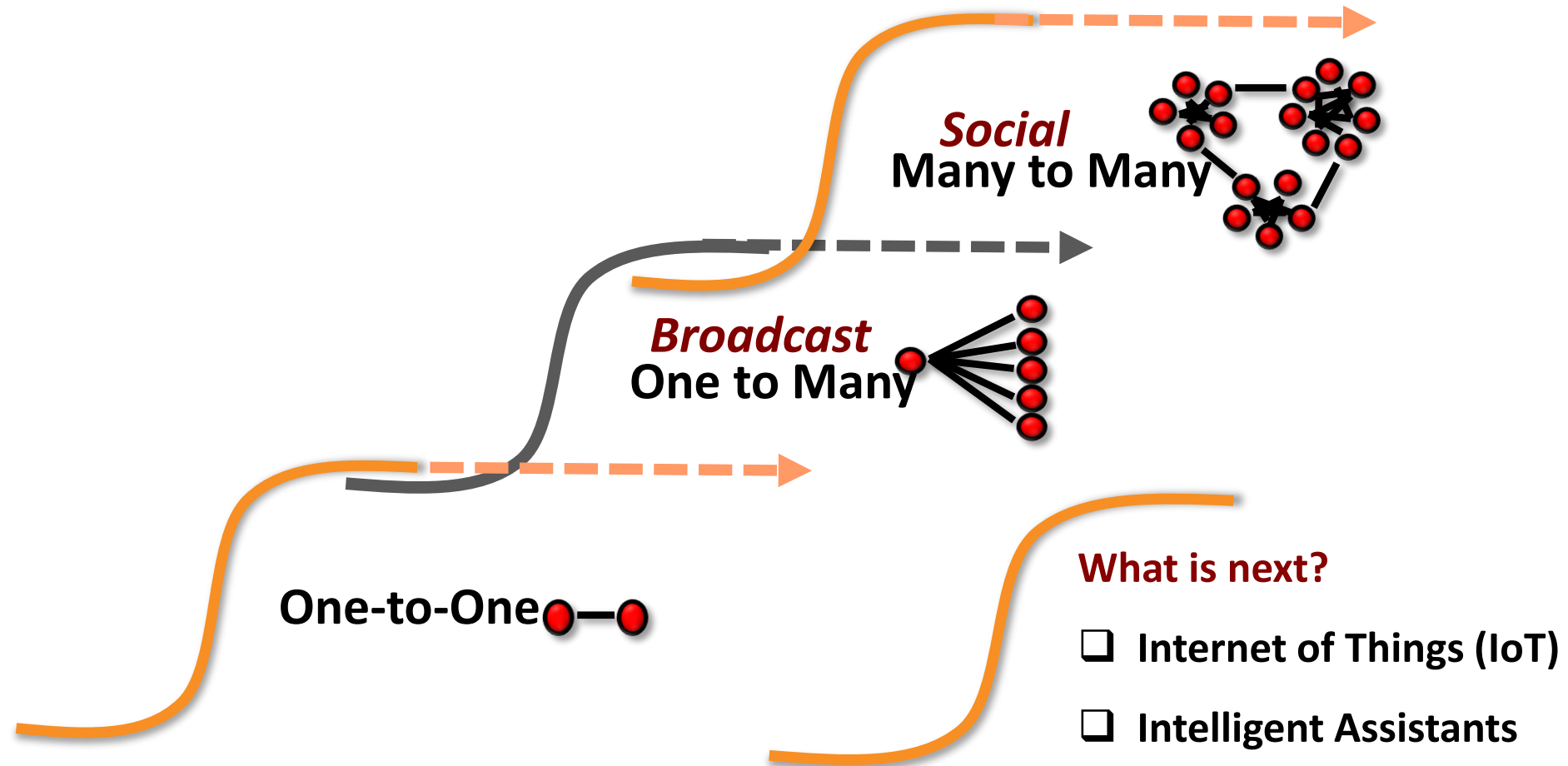
# Monitoring Signals of Change



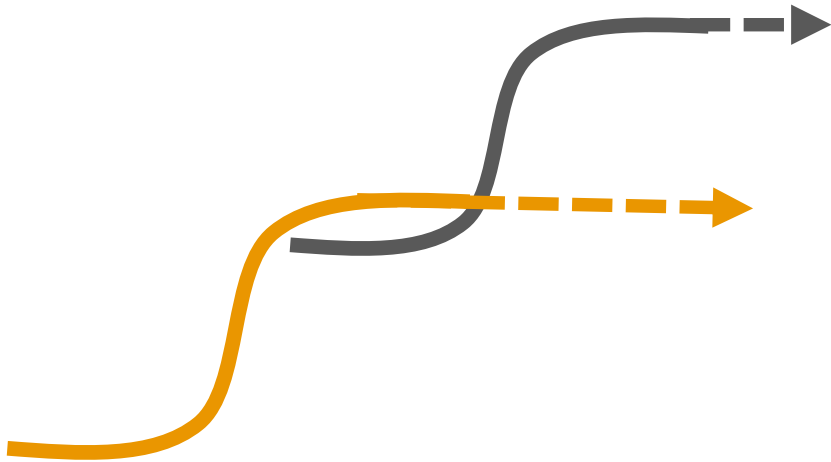
# Eras of Manufacturing



# Eras of Media/Communication



# How will companies navigate S-curve transitions for...?



## Transportation/Mobility

Convergence – EVs, AVs, TNCs; Empowered Cities

## Healthcare / Wellness

Population Health; Outcomes-based Care; Genomics

## Agriculture / Farming / Food

Precision Ag; Automation; Urban; Bio-; Small-scale Farming

## Retail

Online; Hybrid Brick+Mortar; Localization

## Education / Learning

Life stage to Lifelong; AI / Augmented

## Media / Communication

Authentication/Verification; AI; IoT; Agents/Assistants

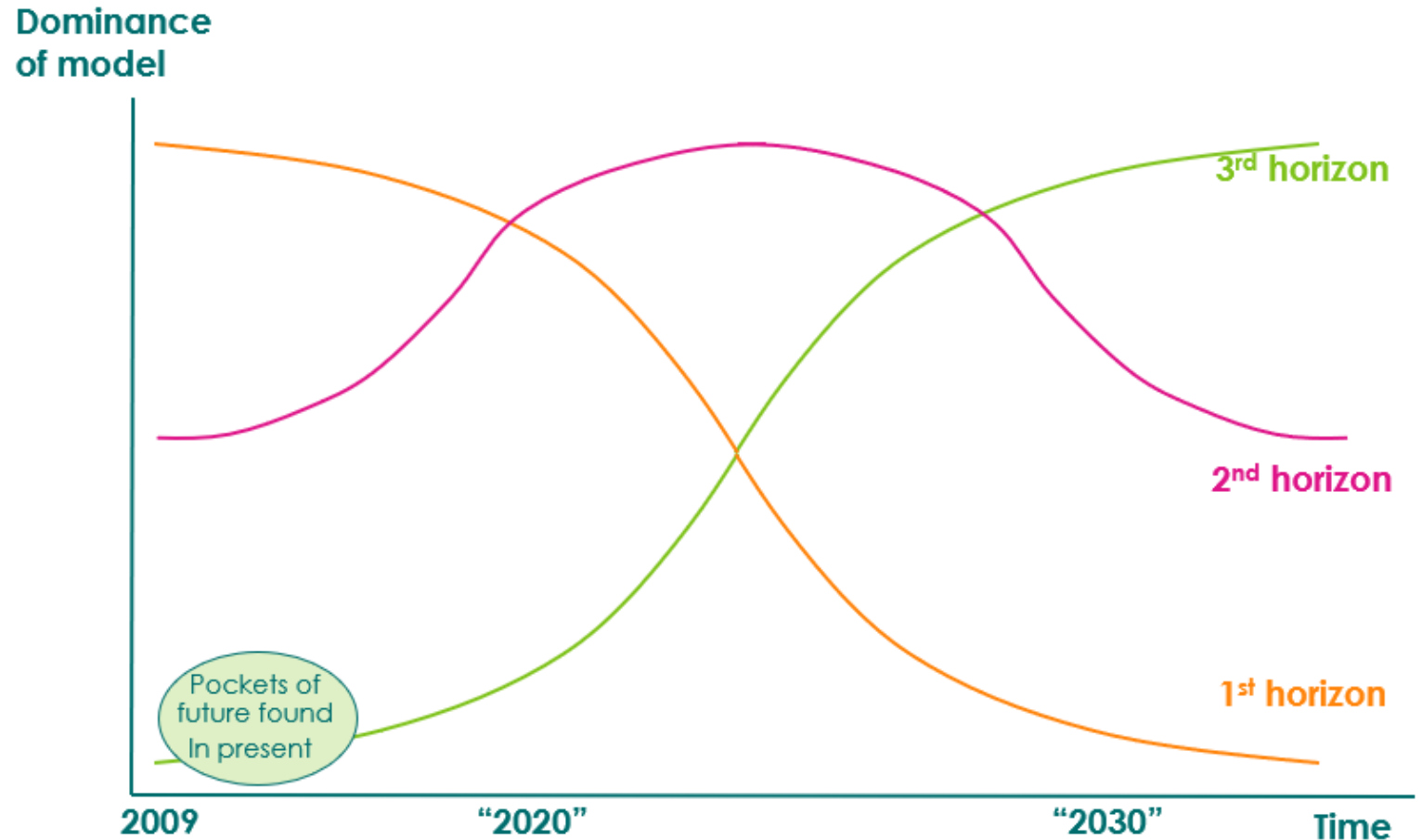
## Entertainment

AI; Mixed Reality; Wellness Impact



## “Three Horizons” Model of Change (Bill Sharpe)

### Era-based Analysis Related Frameworks

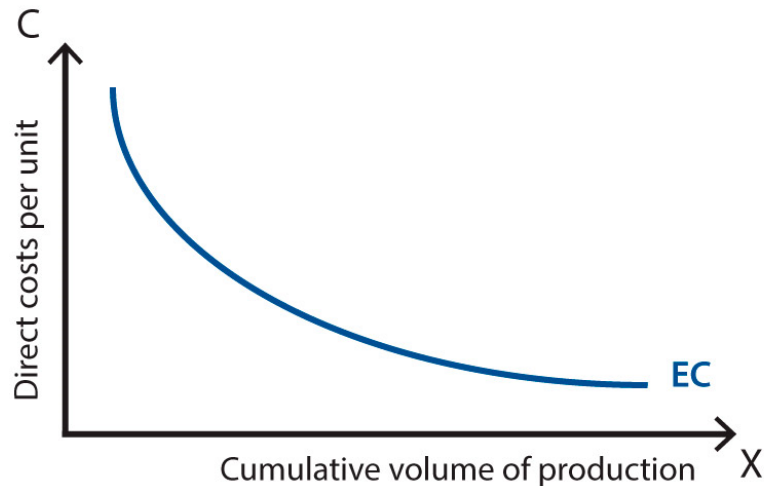


Graphic courtesy of Andrew Curry, The Futures Company

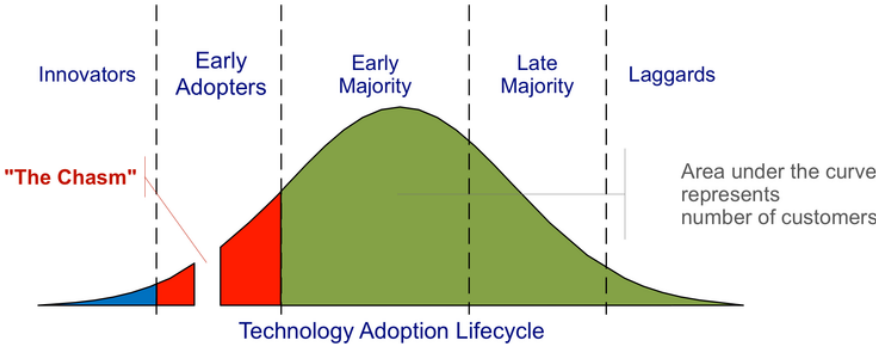
**Foresight = Second & Third Horizon**

# Era-based Analysis: Related Frameworks

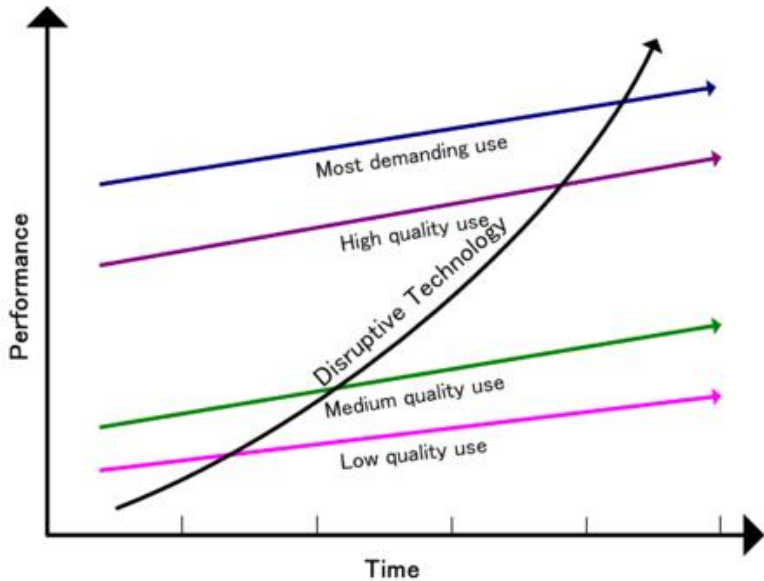
Experience Curve



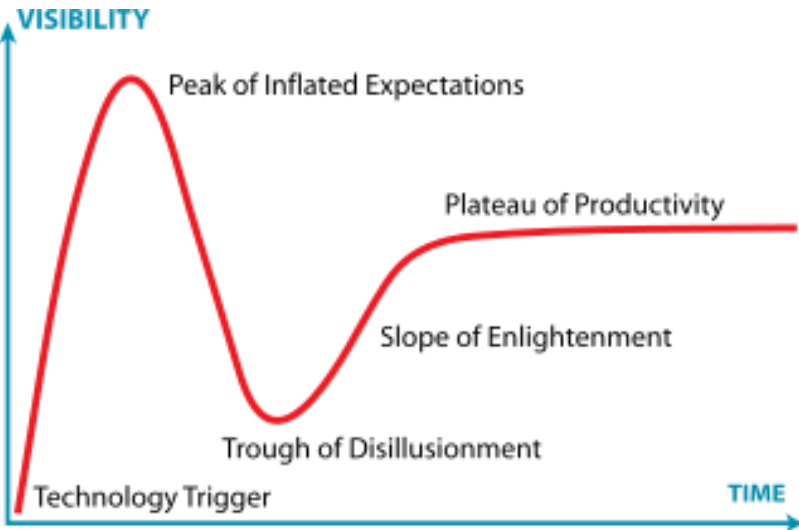
Crossing the Chasm



Low-end Disruption



Gartner Hype Cycle

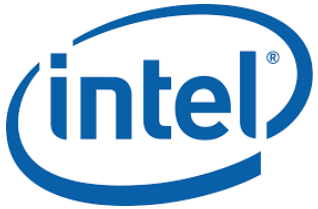


Hindsight  
Insight  
**Foresight**



... the ability to anticipate and lead change

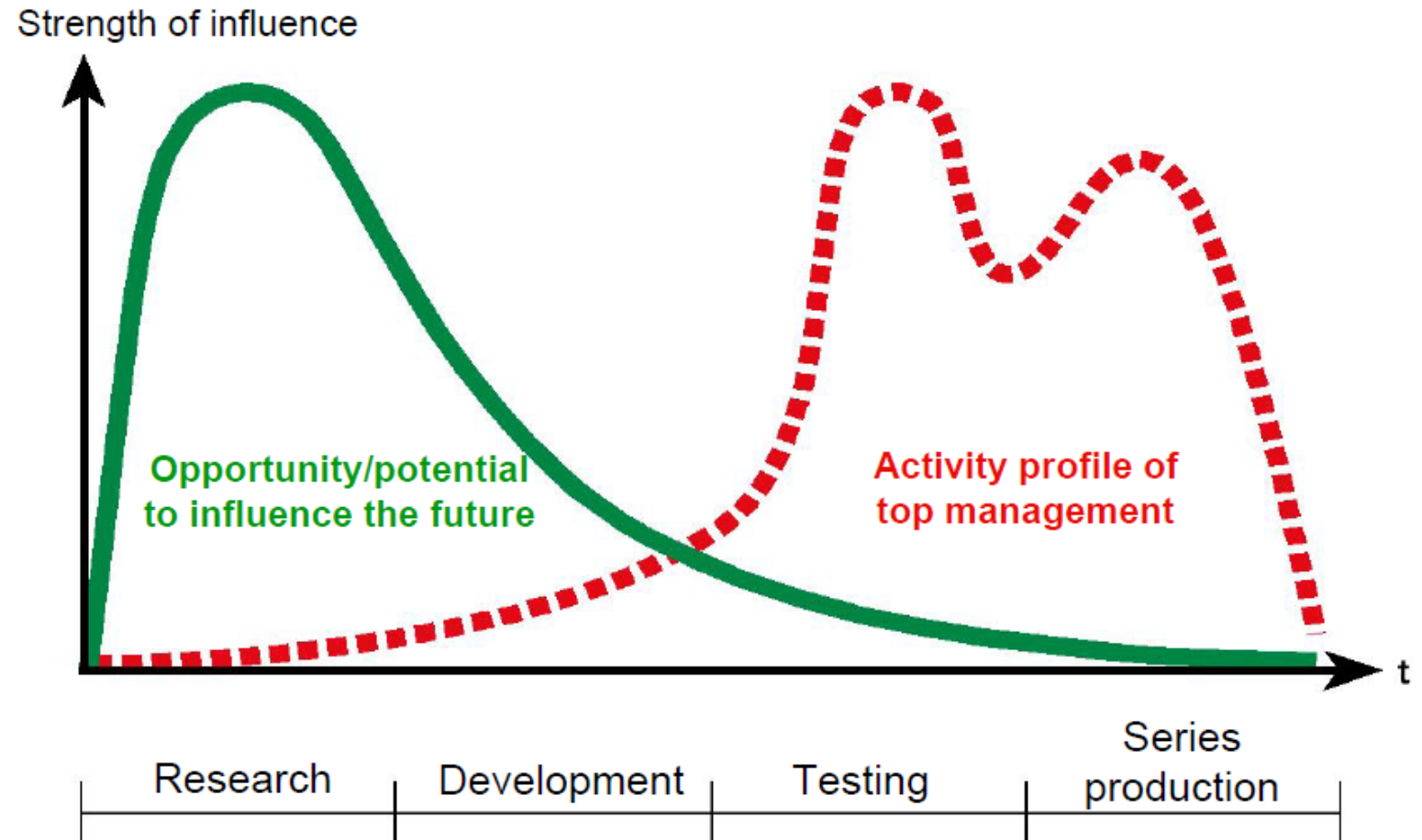
# Organizations with Futurists or Foresight Practices



## Why Corporate Foresight?

Knowledge about the future and the reach of decisions

## Expanding Leadership Capabilities



# Foresight Stages + Activities

## Investigate

Identifying  
& Monitoring Change

- ☐ Horizon Scanning
- ☐ Emerging Issues Analysis
- ☐ Indicator Analysis  
(Leading vs Lagging)



## Imagine

Exploring Implications

- ☐ Forecasts  
(Trend Extrapolation)
- ☐ Scenarios  
(Alternative Assumptions)



## Inspire

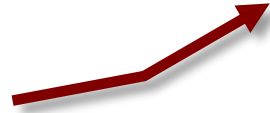
Communicating the  
Need for Change

- ☐ Visioning & Backcasting
- ☐ Planning, Goal Setting & Roadmapping
- ☐ Transformation Management



# Foresight 101: Mechanisms of Change

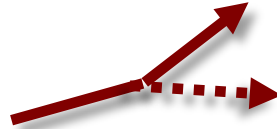
**Trends**  
(Continuities)



**Plausible  
Future**

**Forecasts**

**Events**  
(Discontinuities)



**Possible  
Futures**

**Scenarios**

**Choices**  
(Discontinuities)



**Preferred  
Future**

**Visions**

# Questions on Foresight?



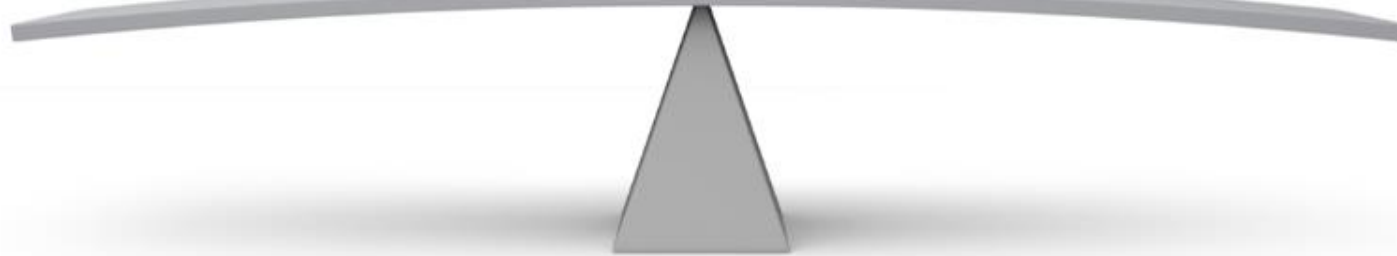


**Value of Process**

(Tools, Techniques, Behaviors)

**Value of Content**

(Domain expertise; Knowledge)



**The Foundation is  
Scanning for Signals of Change**

# Fundamental Stages + Activities of Foresight

## Investigate

Identifying  
& Monitoring Change



- ☐ Horizon Scanning
- ☐ Emerging Issues Analysis
- ☐ Indicator Analysis  
(Leading vs Lagging)

## Imagine

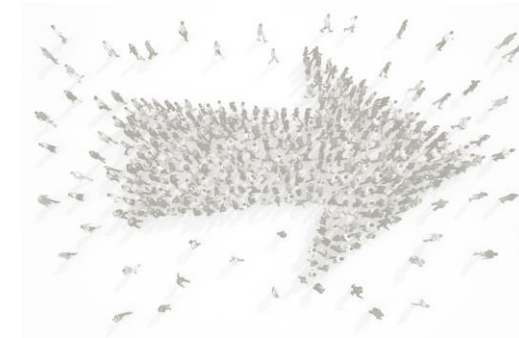
Exploring Implications



- ☐ Forecasts  
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## Inspire

Communicating the  
Need for Change



- ☐ Visioning & Backcasting
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- ☐ Transformation Management

## Signals

# Strap on the Fitbit: John Hancock to sell only interactive life insurance

BUSINESS NEWS SEPTEMBER 19, 2018 Suzanne Barlyn



(Reuters) - John Hancock, one of the oldest and largest North American life insurers, will stop underwriting traditional life insurance and instead sell only interactive policies that track fitness and health data through wearable devices and smartphones, the company said on Wednesday.

## Judging Signals

### Scanning: Criteria and Considerations

- ☐ Source Credibility
- ☐ Newness/Uniqueness
- ☐ Degree of Uncertainty
- ☐ Degree of Impact
- ☐ Momentum (e.g. slowing down, speeding up)

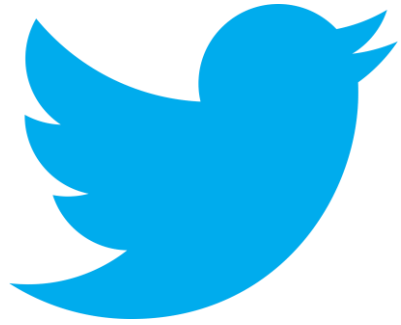
When applied to scenario thinking or customer research a *signal* may do one of three things:

- ☐ **Confirm** assumptions of one scenario outcome
- ☐ **Diminish** the likelihood of a particular scenario
- ☐ **Create** a new scenario to consider

## **Scanning Across S.T.E.E.P. Categories of Change**

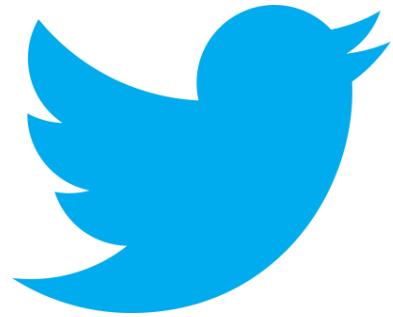


## Techniques: Signals Sourcing Strategy



# Why Twitter?





**Outcome:**  
**Informed & Inspired by**  
**following fascinating**  
**people & conversations**



# Learning the Language and Code of Thematic Conversations

## Social Determinants of Health



**Ahmed Ali** @MrAhmednurAli · 39m

John Oliver exposes the sinister side of the mobile home Industry <http://ow.ly/roGg30omKxu> [#sdoh](#)



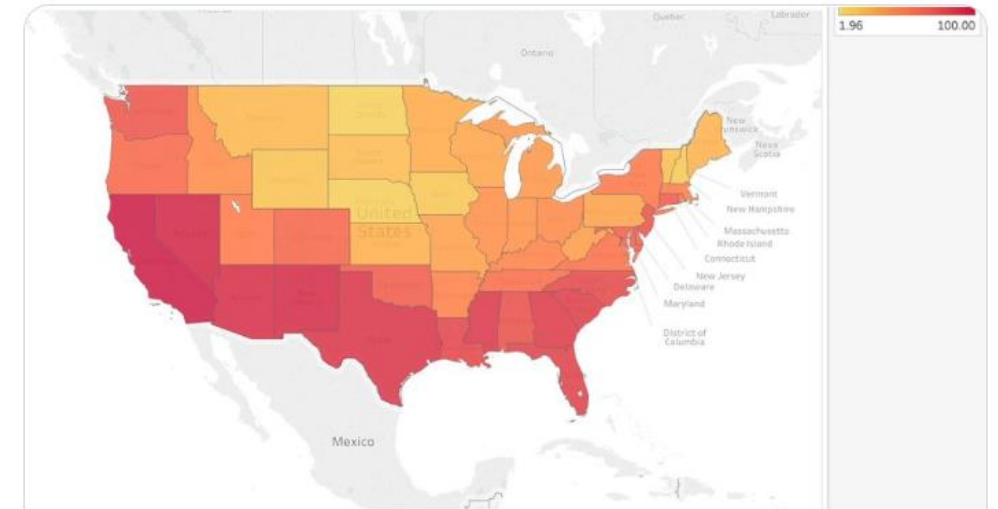
**David Nace MD** @DavidNaceMD · 20h

I recently co-authored a research on understanding [#SDOH](#) by calculating the social vulnerability indices (SVI) score at zip level, and using SVI to get patient level insights. Here's the report:

[bit.ly/2U4icsd](http://bit.ly/2U4icsd)

[#SDOHTalk](#)

[@innovaccr](#)



From Myth to Reality - Revolutionizing Healthcare with Augmented Intelligence and Social Determin...

[innovaccr.com](http://innovaccr.com)



**Ahmed Ali**  
@MrAhmednurAli

Research Assistant @McMasterForum | #HealthPolicy PhD Candidate @McMasterU| Advocate of evidence-based #publichealth policies| Views my own. RT ≠ Endorsements

📍 Toronto, Canada 🔗 [mcmasterforum.org/lets-collabora...](https://mcmasterforum.org/lets-collabora...) 🕒 Born February 10 📅 Joined September 2011

364 Following 1,215 Followers

Not followed by anyone you're following

**Tweets** Tweets & replies Media Likes



**Ahmed Ali** @MrAhmednurAli · 7h

#Telemedicine tied to more #antibiotics for kids, study finds.  
[ow.ly/uZRd30omKqH](https://ow.ly/uZRd30omKqH) #HealthPolicy #sdoh



## Tool: Organizing Your Signals

**‘Tagging’**  
**‘Social Bookmarks’**

The logo for diigo, featuring the word "diigo" in a blue, lowercase, sans-serif font. The letters are rounded and the overall style is clean and modern.

# Nielsen Auto Cloud a Dream for Driving Change Among Marketers



Automotive marketing for audio media has just taken a major leap forward. It was announced in early November that the Nielsen [Auto Cloud](#) -- the new standard in auto marketing, data and measurement capabilities -- has been licensed by both [Westwood One](#), which reaches 245 million weekly listeners across America, and [Panoply Media](#), leaders in podcast marketing and technology. For marketers this means access to a vast new range of data backed by a powerful marketing and measurement technology. This enables auto brands and their agencies to generate high-reach, high-engagement audio interactions with actual car buyers.

Edit bookmark

**Nielsen Auto Cloud a Dream for Driving Change Among Marketers | MediaVillage**

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# Collect & Share Signals as Social Bookmarks

diigo


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Back to classic

garrygolden

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Apr 7, 2019

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Feb 14, 2019





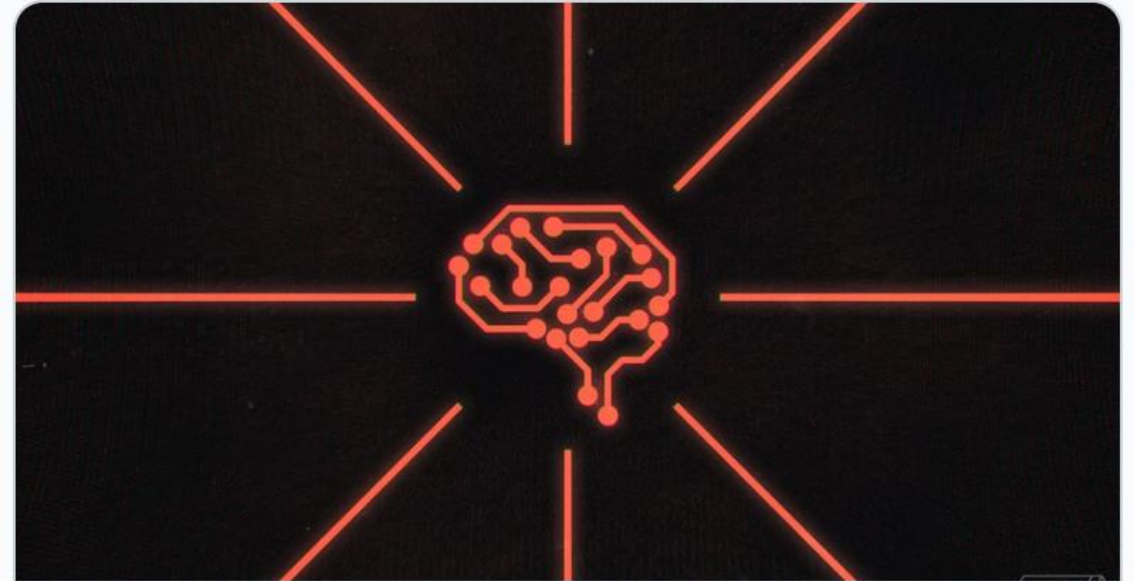
**Ars Technica** ✓ @arstechnica · 13m

"Project Kuiper is a new initiative to launch a constellation of Low Earth Orbit satellites that will provide low-latency, high-speed broadband connectivity to unserved and underserved communities around the world," Amazon said in its statement.



Amazon follows SpaceX into satellite broadband, plans worldwide service  
Amazon says it'll launch 3,236 low-Earth satellites for fast, low-latency service.

↪ arstechnica.com



Warner Music signed an algorithm to a record deal — what happens next?  
It's all about the playlists

↪ theverge.com



<https://www.diigo.com/user/garrygolden/amazon>

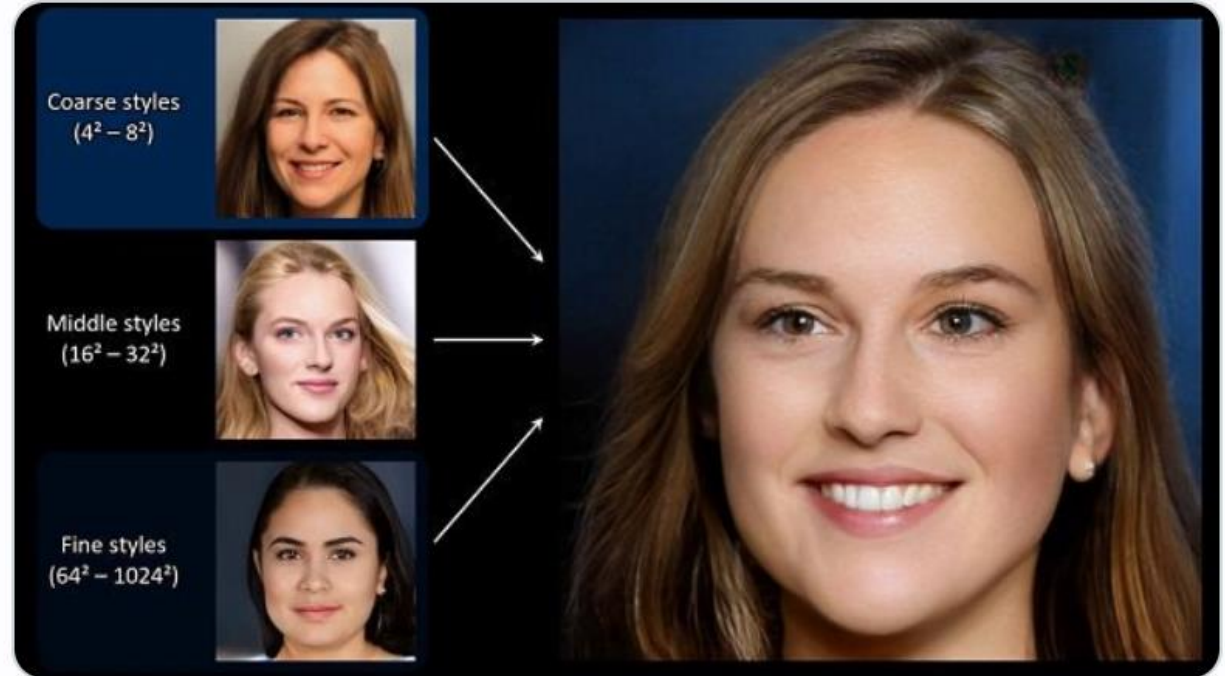
<https://www.diigo.com/user/garrygolden/AI>

# Tip: Focus on Conferences & Communities



**Brand+Code** @brandcodedesign · Dec 19, 2018

These **AI-Made Human Portraits** Look So Eerily Legitimate, They Might Fool You [dlvr.it/QtwYbv](https://dlvr.it/QtwYbv)



1



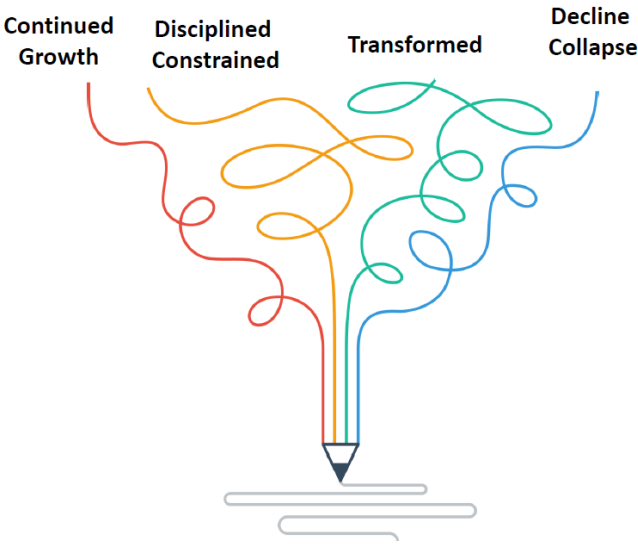
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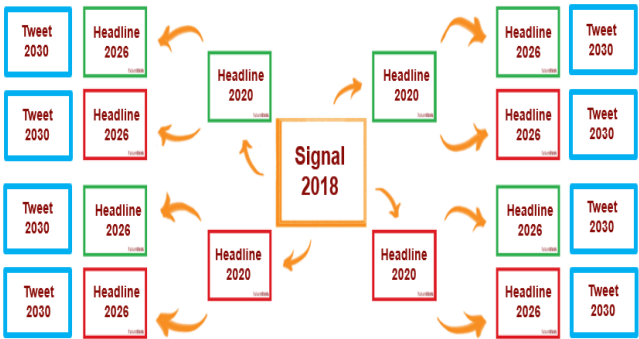
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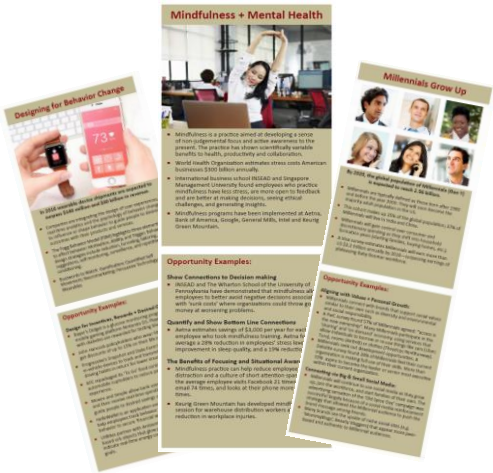
# Turning Signals into Stories



Four Futures



Futures Wheel



Trend Cards



# Four Futures Thinking



**Continued  
Growth**



**Disciplined  
Constrained**



**Transformed**



**Decline  
Collapse**

# Telling Stories of Your Client's Four Futures

**?**

**Continued  
Growth**

**?**

**Disciplined  
Constrained**

**?**

**Transformed**

**?**

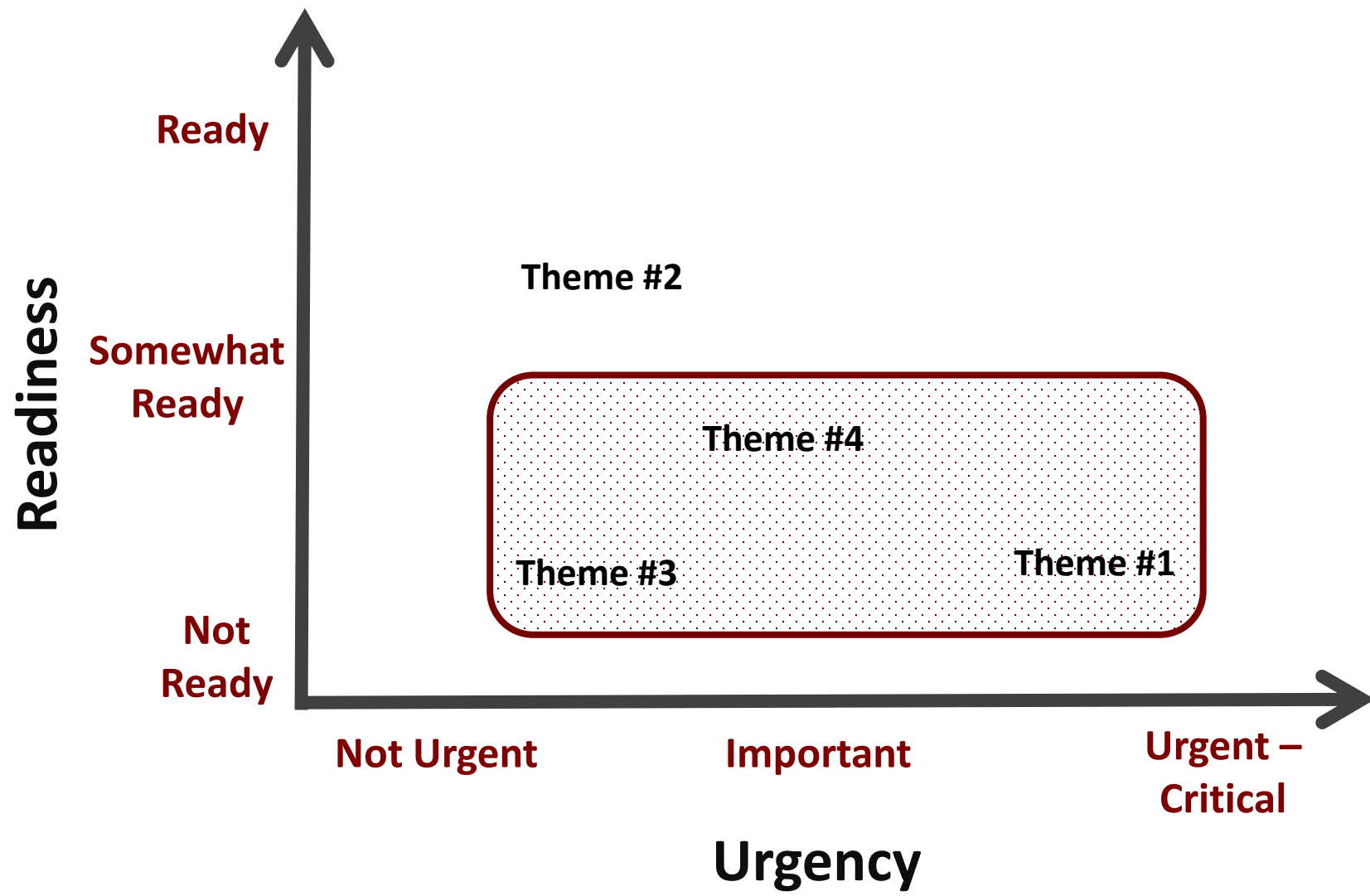
**Decline  
Collapse**



# Take a Pulse Check on Emerging Trends vs Organizational Appetite

## Top Trends/Themes

- 1)
- 2)
- 3)
- 4)
- 5)



# More or Less Change Ahead?

**Last  
ten years**



**Next  
ten years**



2007



2017



2027

?

?

?

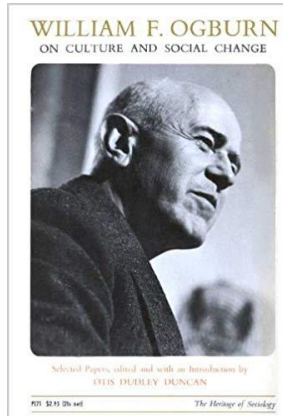
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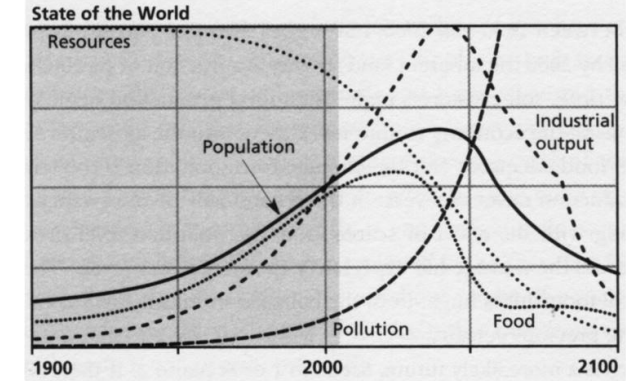
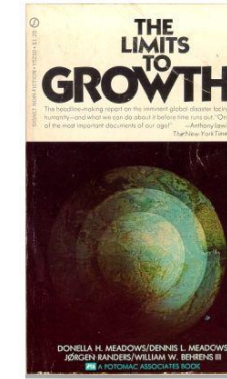
# History and Evolution of Foresight



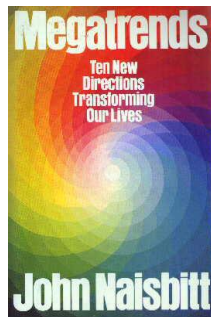
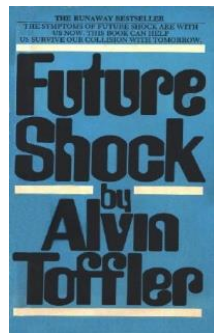
William Ogburn (1930s)  
**Social Change**  
**(Society + Technology)**



Herman Kahn ('50/'60s)  
RAND / Hudson Institute  
**Scenario-based Decisions**

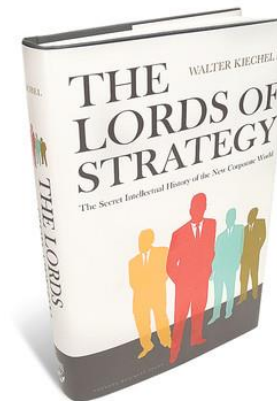


Club of Rome / *Limits to Growth* (70s)  
**Systems-based Simulations**



MONITOR

McKinsey&Company



( '80-Present)  
**Rise of Strategy Industry**

2010s + Beyond  
**Era of Integration,  
Inclusivity  
& Intervention?**



# Challenges of Talking About *the Future*

## Addressing Foundations



**Purpose, Happiness  
vs Helplessness**



**Self-Work on  
Equity & Justice**



**Imperative of Being Local**

## Feeling 'Futuristic'



**Techno-Solutions**



**Empowered Self**

**Globalization**



**Growth**





**Identifying S.T.E.E.P.  
Dynamics of Change  
Shaping the Future of \_\_\_\_\_**

