

Foresight 101

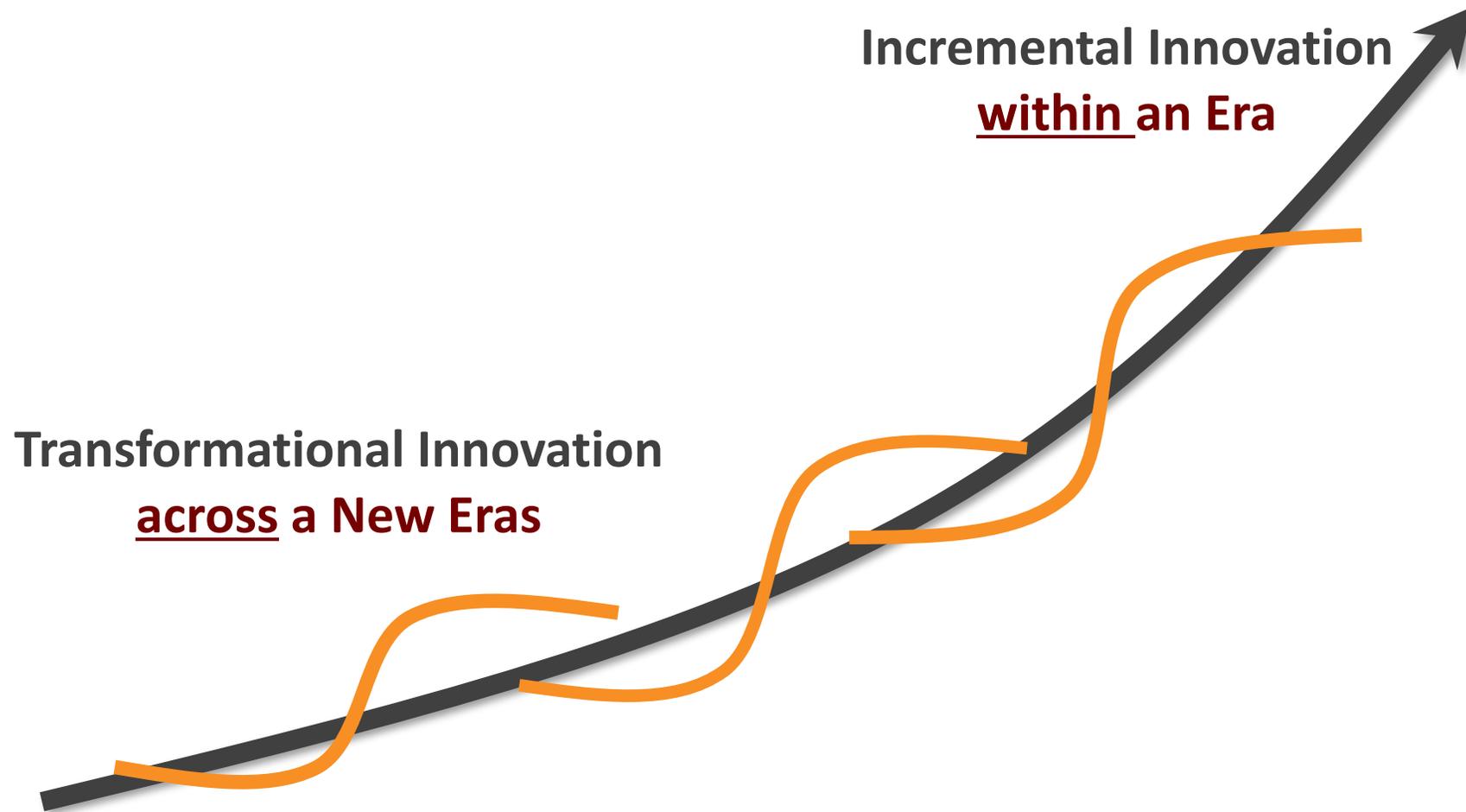
The Art & Science of Foresight and the Creative Future



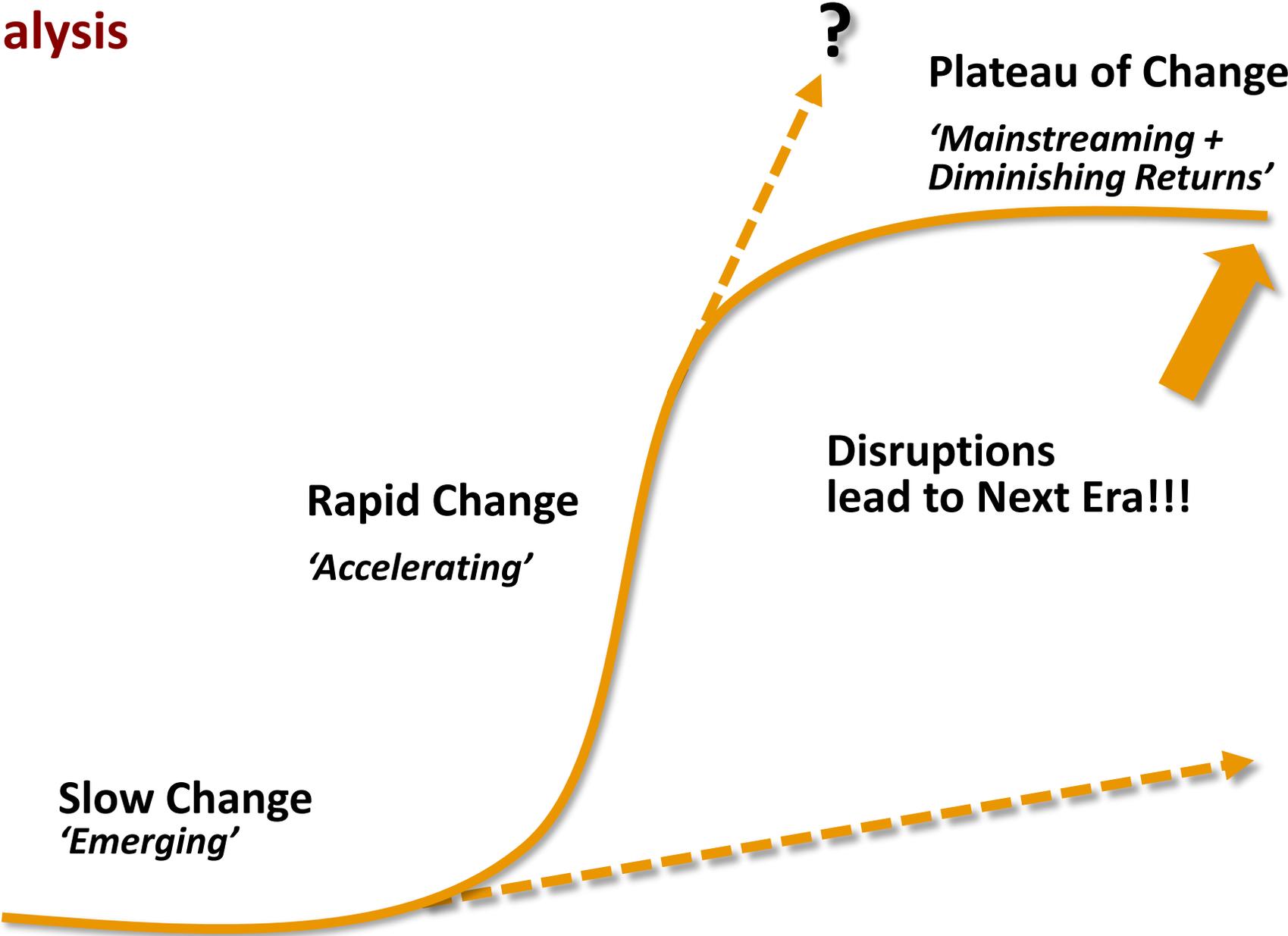
GREY
April 10, 2019

Garry Golden
Forward Elements

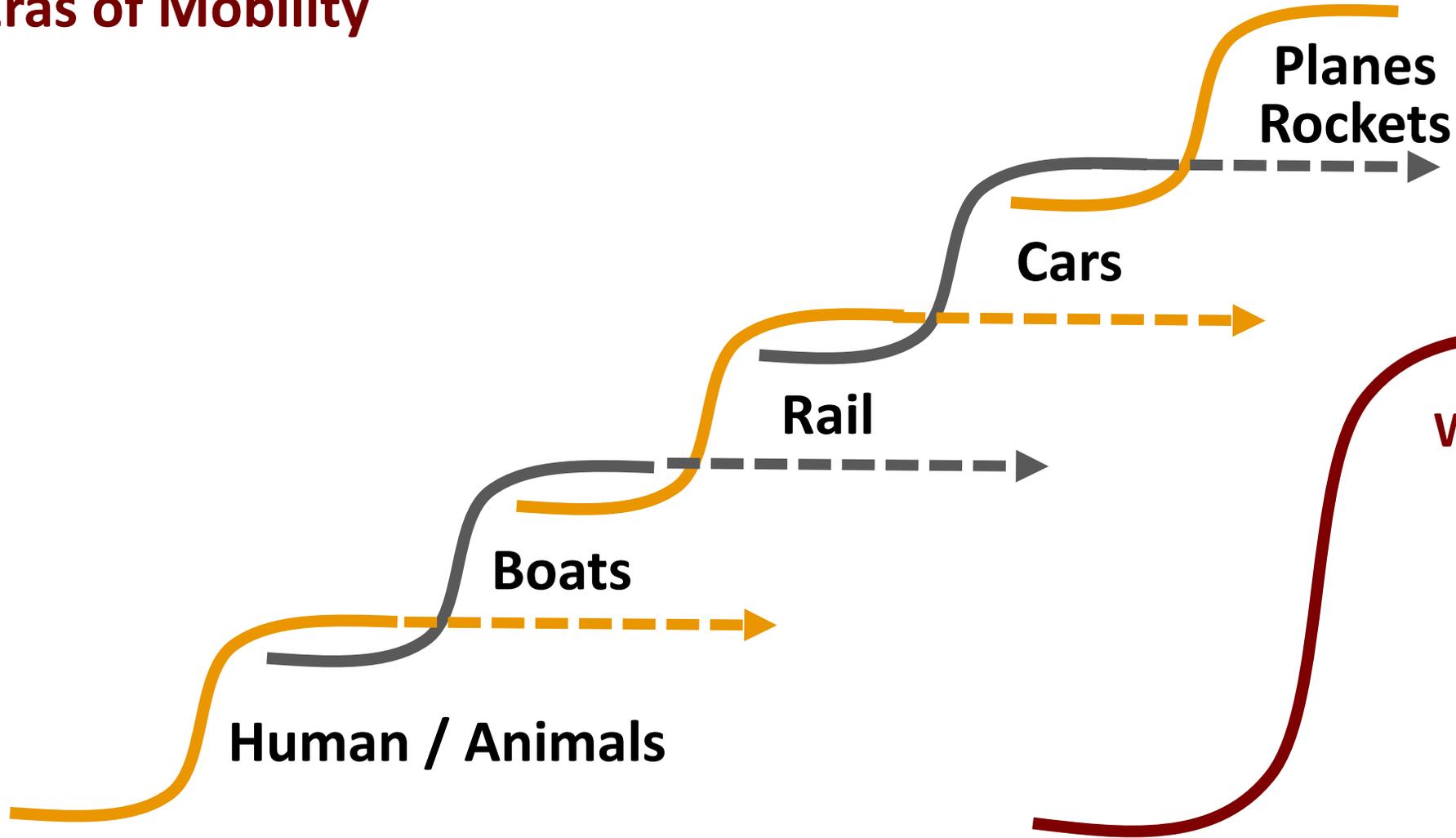
Era-based Growth Strategies



S-Curve Analysis



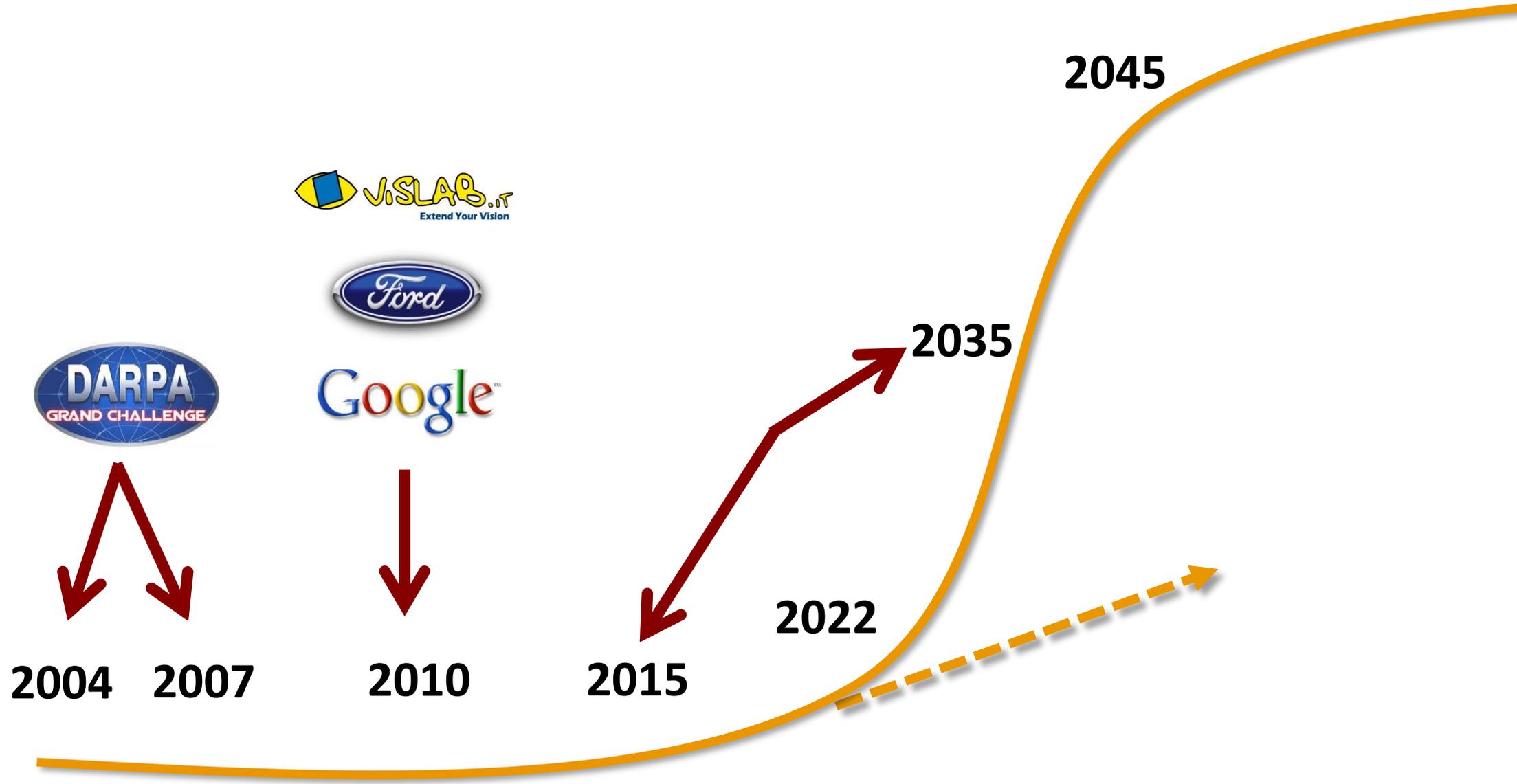
Eras of Mobility



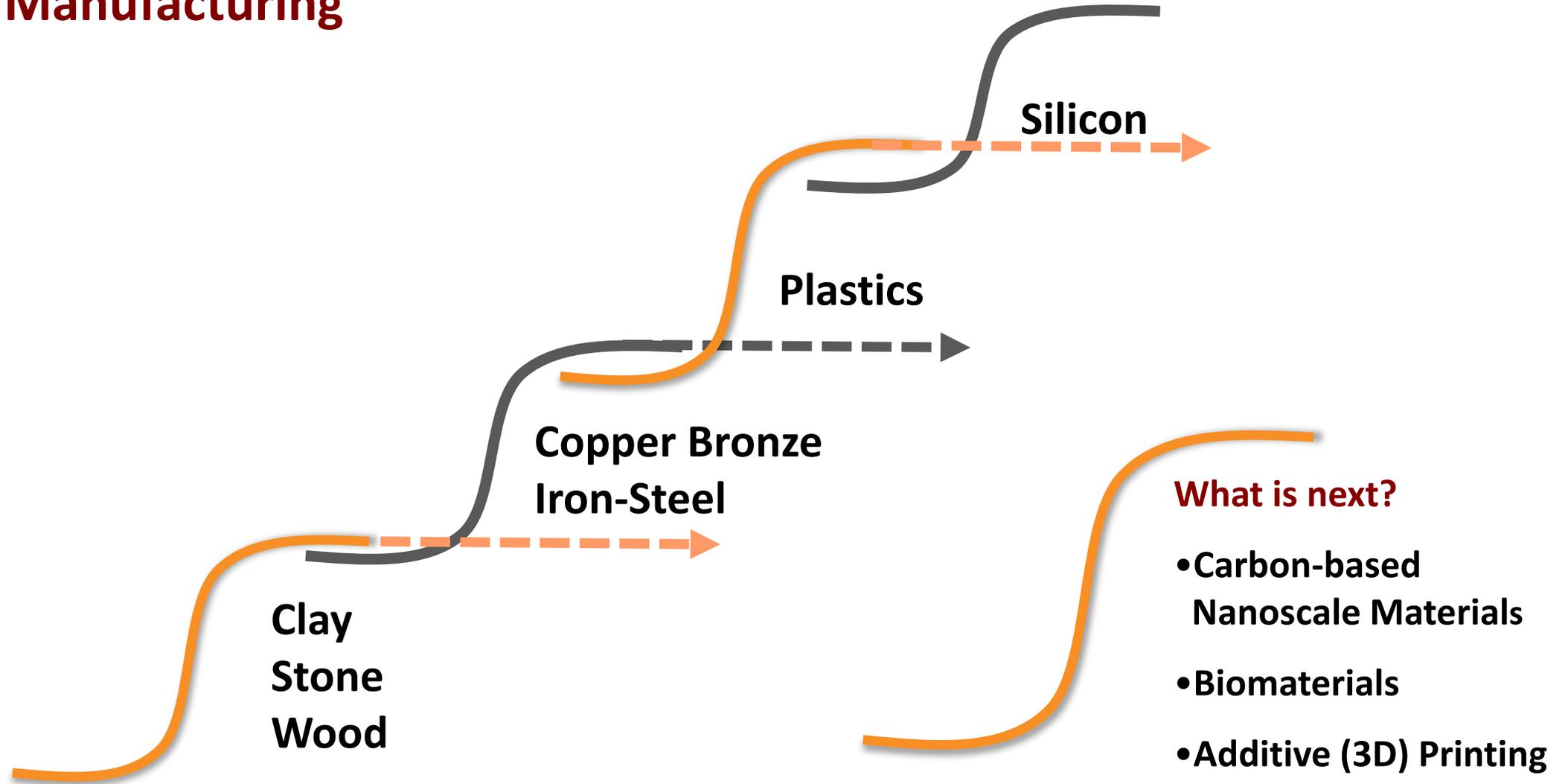
What is next?

- Electric Vehicles
(Battery + Fuel cell)
- Assistive + Autonomous
- Low-Volume Production
- Sub-orbital Space

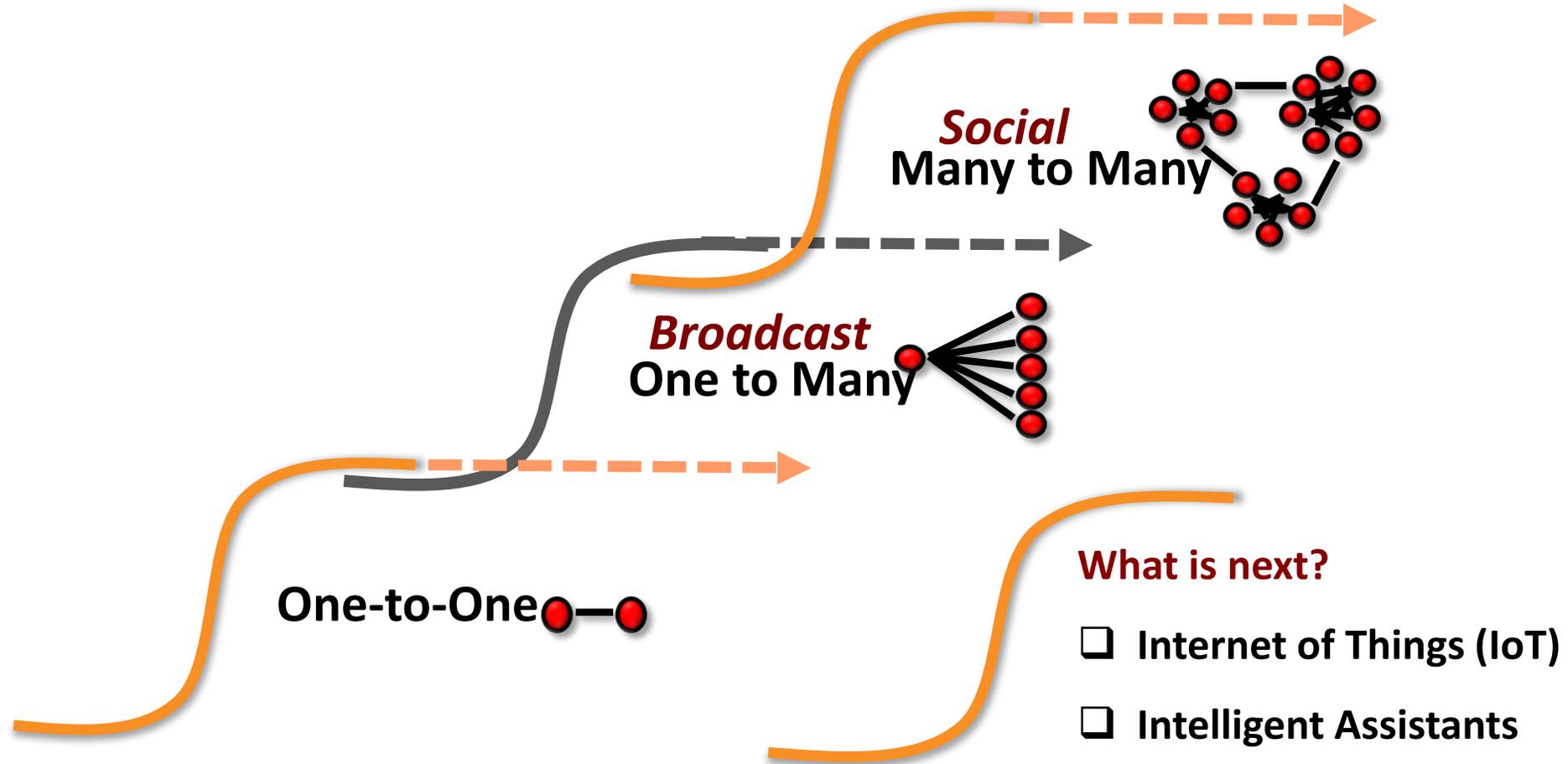
Monitoring Signals of Change



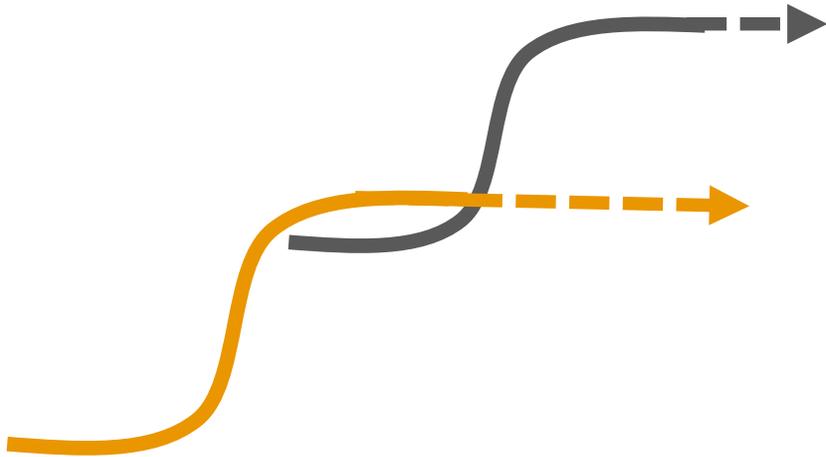
Eras of Manufacturing



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

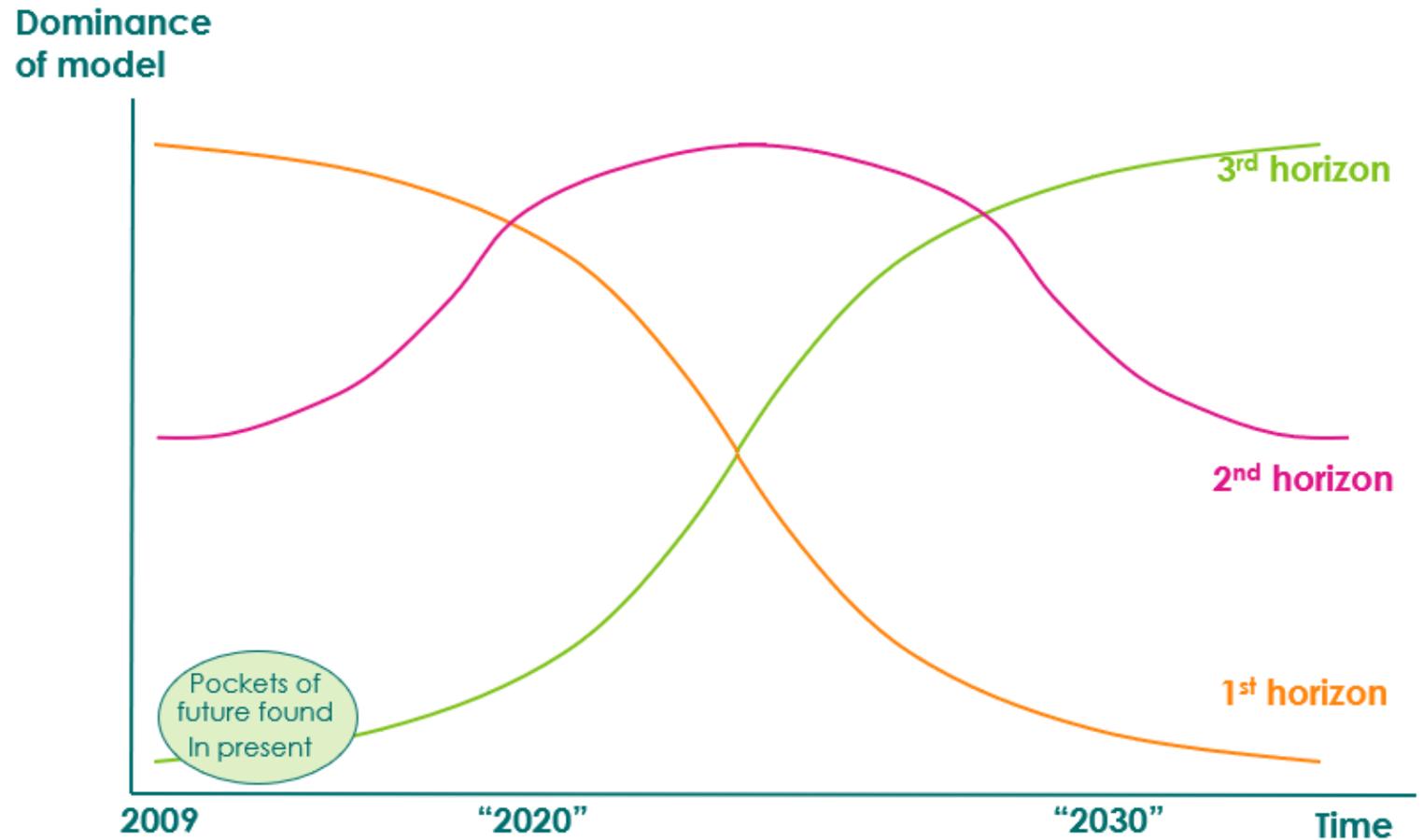
Authentication/Verification; AI; IoT; Agents/Assistants

Entertainment

AI; Mixed Reality; Wellness Impact

“Three Horizons” Model of Change (Bill Sharpe)

Era-based Analysis Related Frameworks

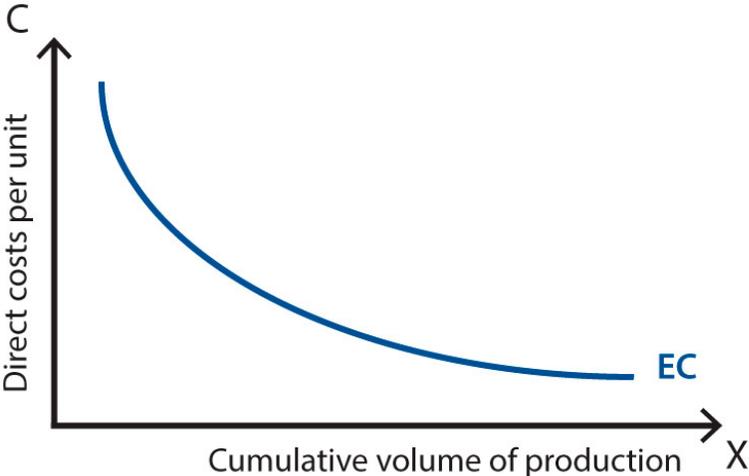


Graphic courtesy of Andrew Curry, The Futures Company

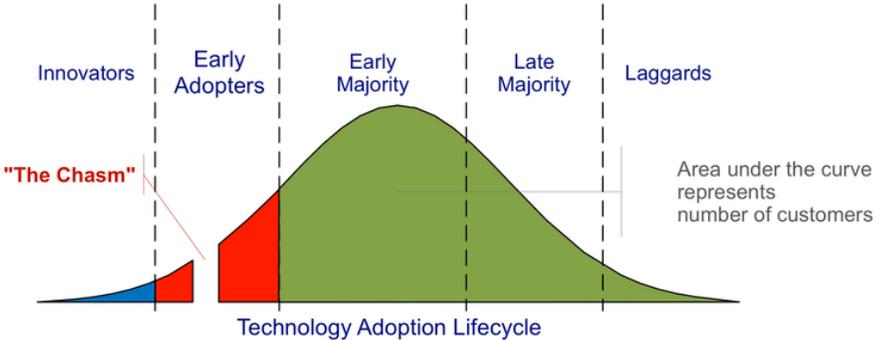
Foresight = Second & Third Horizon

Era-based Analysis: Related Frameworks

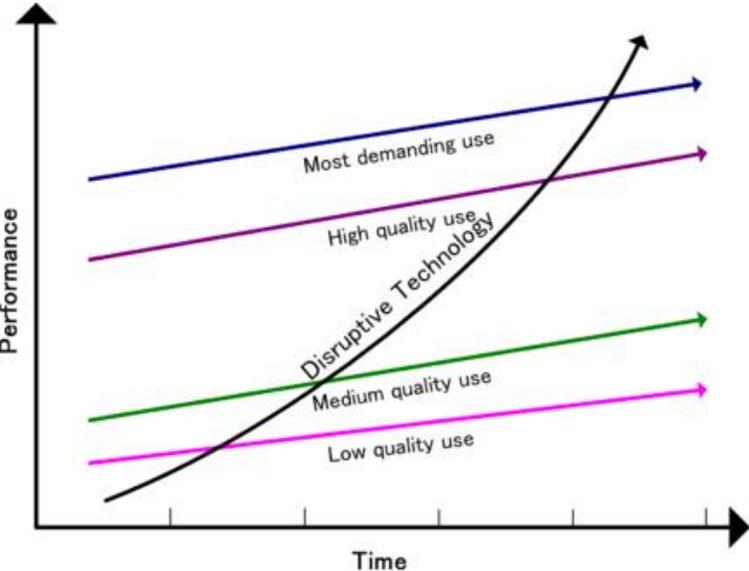
Experience Curve



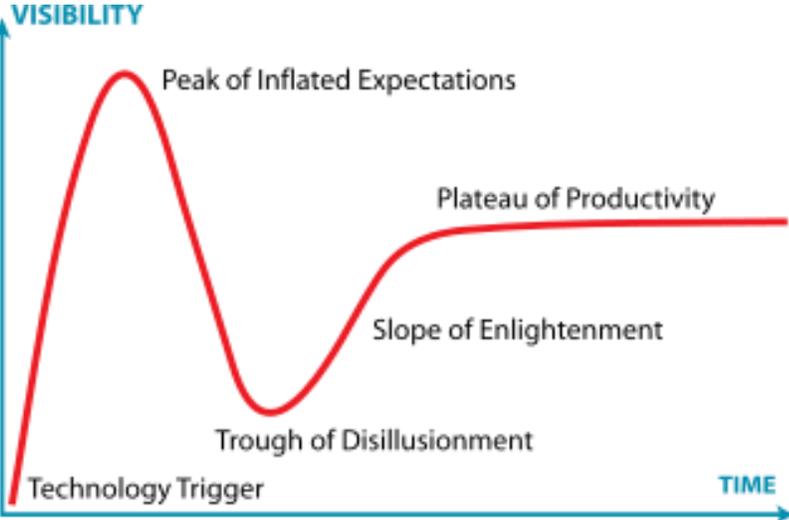
Crossing the Chasm



Low-end Disruption



Gartner Hype Cycle

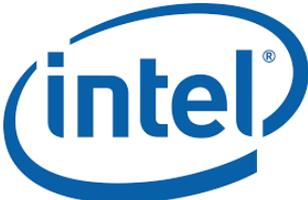


Hindsight
Insight
Foresight



... the ability to anticipate and lead change

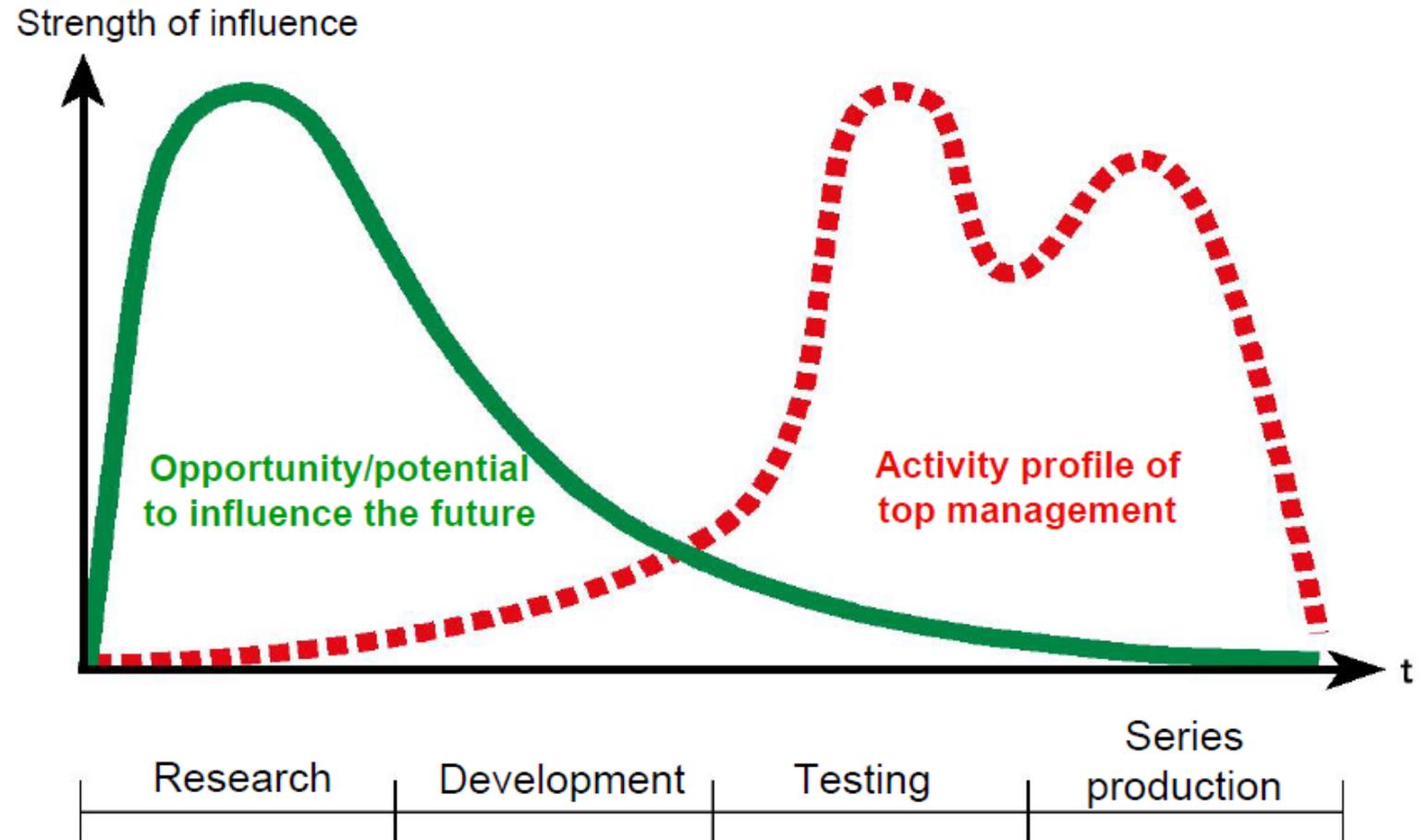
Organizations with Futurists or Foresight Practices



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

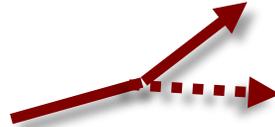
Trends
(Continuities)



**Plausible
Future**

Forecasts

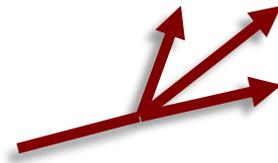
Events
(Discontinuities)



**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

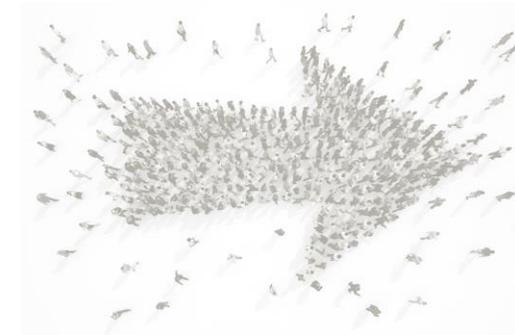
Exploring Implications



- Forecasts
(Trend Extrapolation)
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(Alternative Assumptions)

Inspire

Communicating the
Need for Change



- Visioning & Backcasting
- Planning, Goal Setting & Roadmapping
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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)

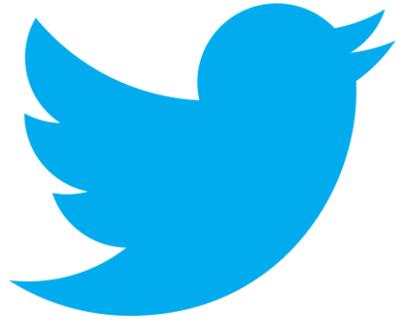
When applied to scenario thinking or customer research a *signal* may do one of three things:

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

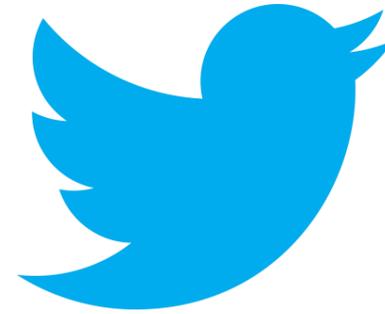
**Scanning Across
S.T.E.E.P. Categories of Change**

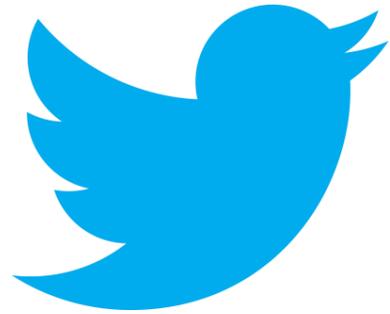


Techniques: Signals Sourcing Strategy



Why Twitter?





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

Learning the Language and Code of Thematic Conversations

Social Determinants of Health



Q #SDOH



Ahmed Ali @MrAhmednurAli · 39m

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



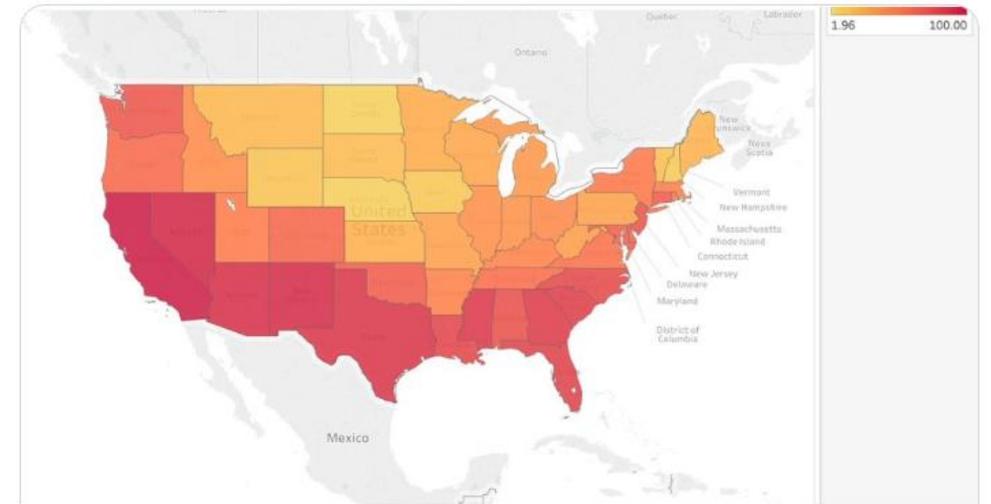
David Nace MD @DavidNaceMD · 20h

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

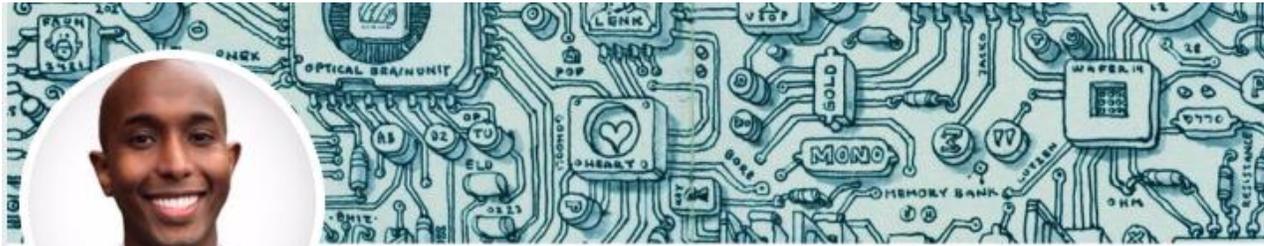
#SDOHTalk

@innovaccr



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

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... Born February 10
Joined September 2011

364 Following 1,215 Followers

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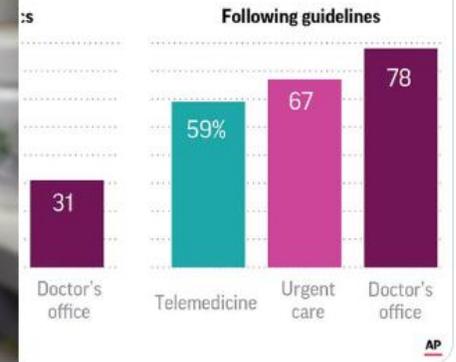
Ahmed Ali @MrAhmednurAli · 7h

#Telemedicine tied to more #antibiotics for kids, study finds.
ow.ly/uZRd30omKqH #HealthPolicy #sdoH



Antibiotic use at telemedicine visits

Antibiotic use was more frequent, and prescribing guidelines were more consistent at telemedicine visits than at visits to doctors' offices and clinics.



Tweets

Tweets & replies

Media

Likes

Tool: Organizing Your Signals

'Tagging'
'Social Bookmarks'

The logo for diigo, featuring the word "diigo" in a lowercase, blue, sans-serif font. The letters are rounded and the spacing is consistent.



Nielsen Auto Cloud a Dream for Driving Change Among Marketers

Edit bookmark



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

Add a description...



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.

automotive media marketing advertising business+model+design

Recommended: sensing chemistry mobile digital hardware

nielsen auto cloud driving change

Add to an outliner

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Private Read Later Cache

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Save

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Page 1 of 758 results for "#automotive" Filter Privacy Date Updated

- All
- Annotated
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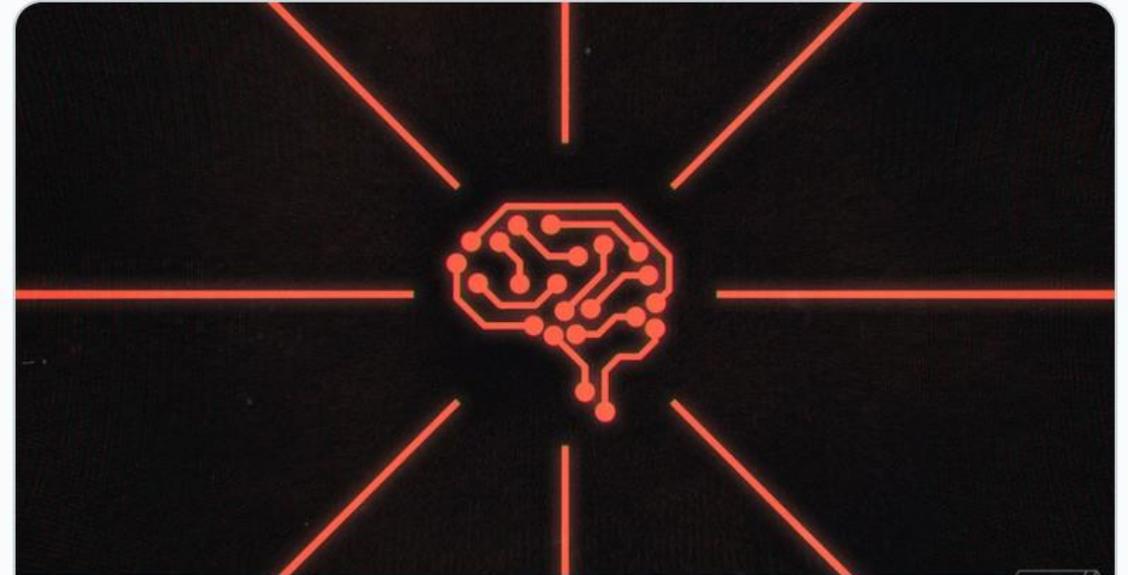
Ars Technica  @arstechnica · 13m

"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.



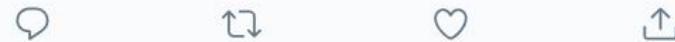
Amazon follows SpaceX into satellite broadband, plans worldwide service
Amazon says it'll launch 3,236 low-Earth satellites for fast, low-latency service.

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>

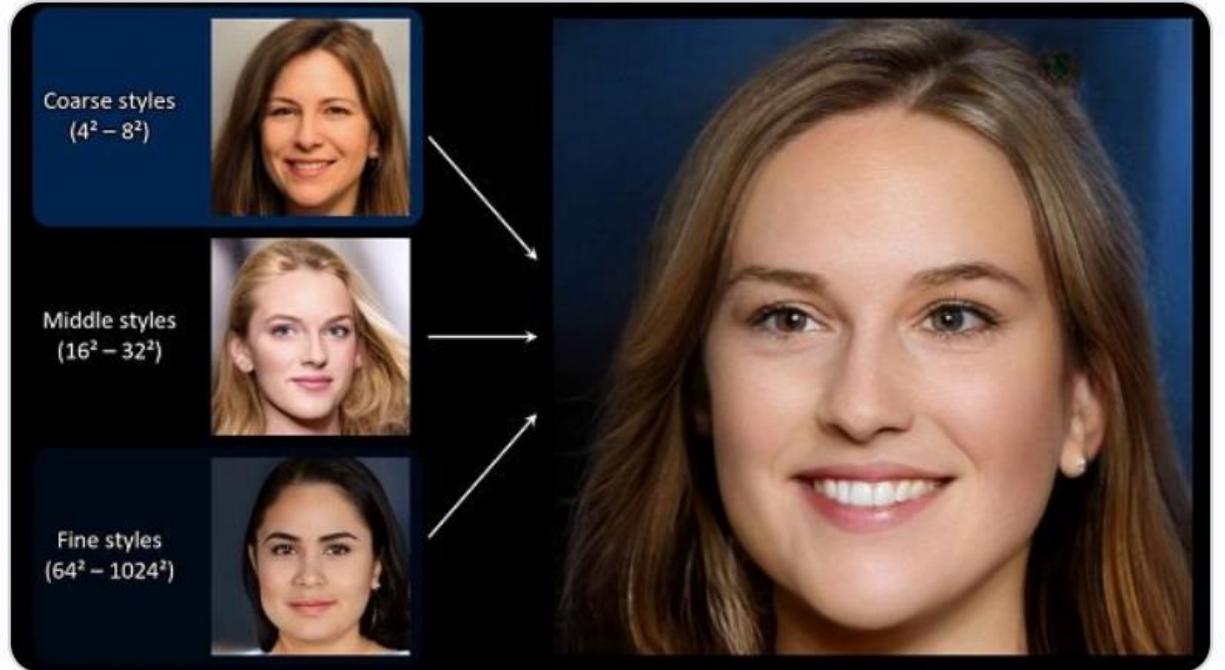
<https://www.diigo.com/user/garrygolden/AI>

Tip: Focus on Conferences & Communities

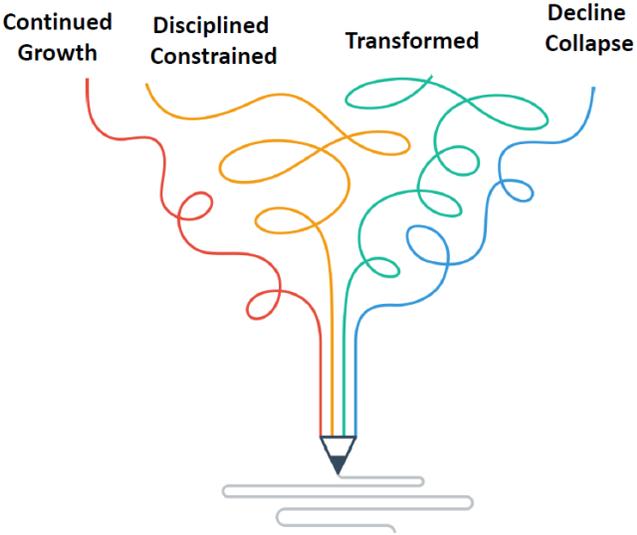


Brand+Code @brandcodedesign · Dec 19, 2018

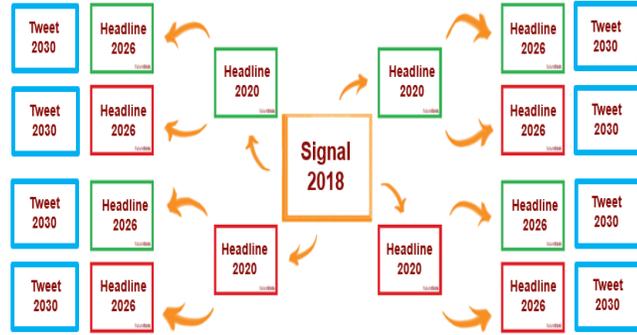
These **AI-Made Human Portraits** Look So Eerily Legitimate, They Might Fool You dlvr.it/QtwYbv



Turning Signals into Stories



Four Futures



Futures Wheel



Trend Cards

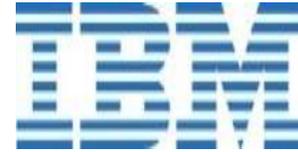
Four Futures Thinking



**Continued
Growth**



**Disciplined
Constrained**



Transformed



**Decline
Collapse**

Telling Stories of Your Client's Four Futures

?

**Continued
Growth**

?

**Disciplined
Constrained**

?

Transformed

?

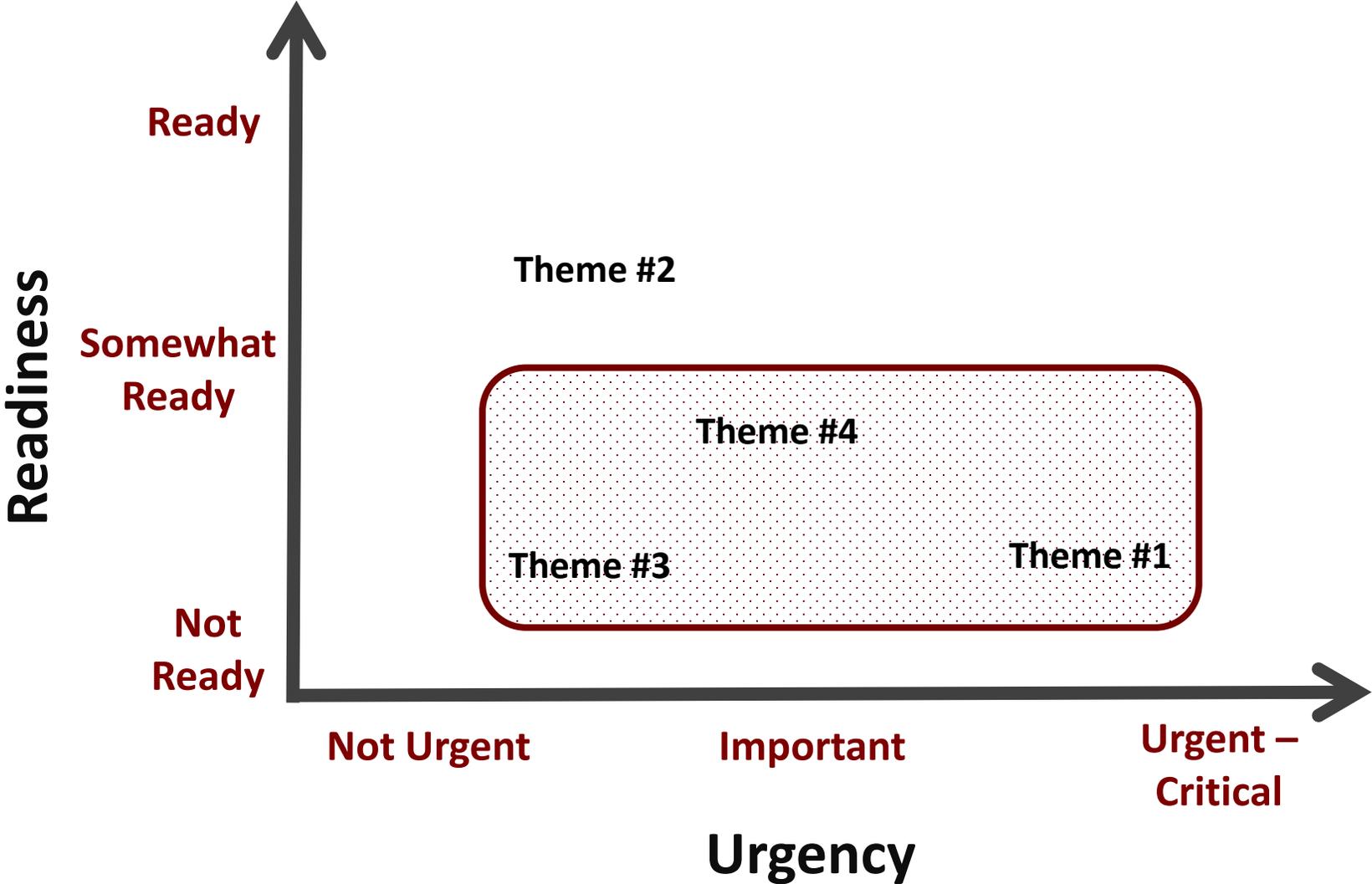
**Decline
Collapse**



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

?

?

?

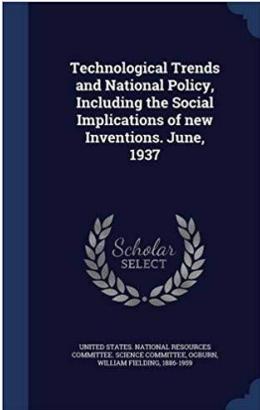
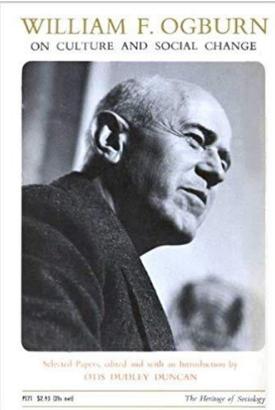
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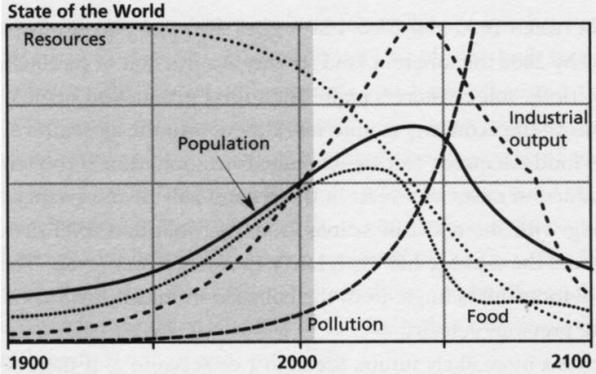
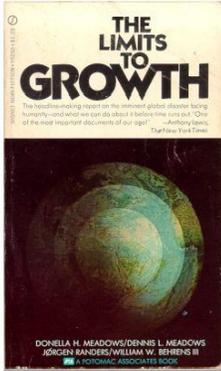
History and Evolution of Foresight



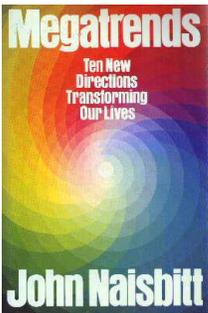
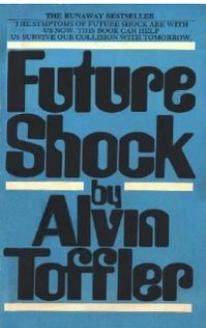
William Ogburn (1930s)
Social Change
 (Society + Technology)



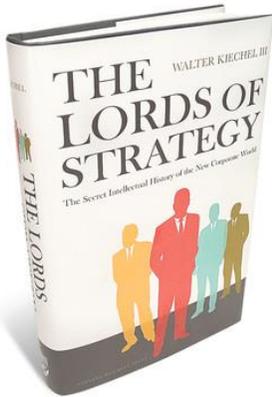
Herman Kahn ('50/'60s)
 RAND / Hudson Institute
Scenario-based Decisions



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



MONITOR



('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



Techno-Solutions



Empowered Self



Imperative of Being Local

Globalization



Growth



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

