

Houston Foresight  
Spring Gathering

April 13-14, 2018

“Scanning the Fringe”

UH Foresight program, with a  
Saturday presentation by the APF



Welcome!

# Agenda

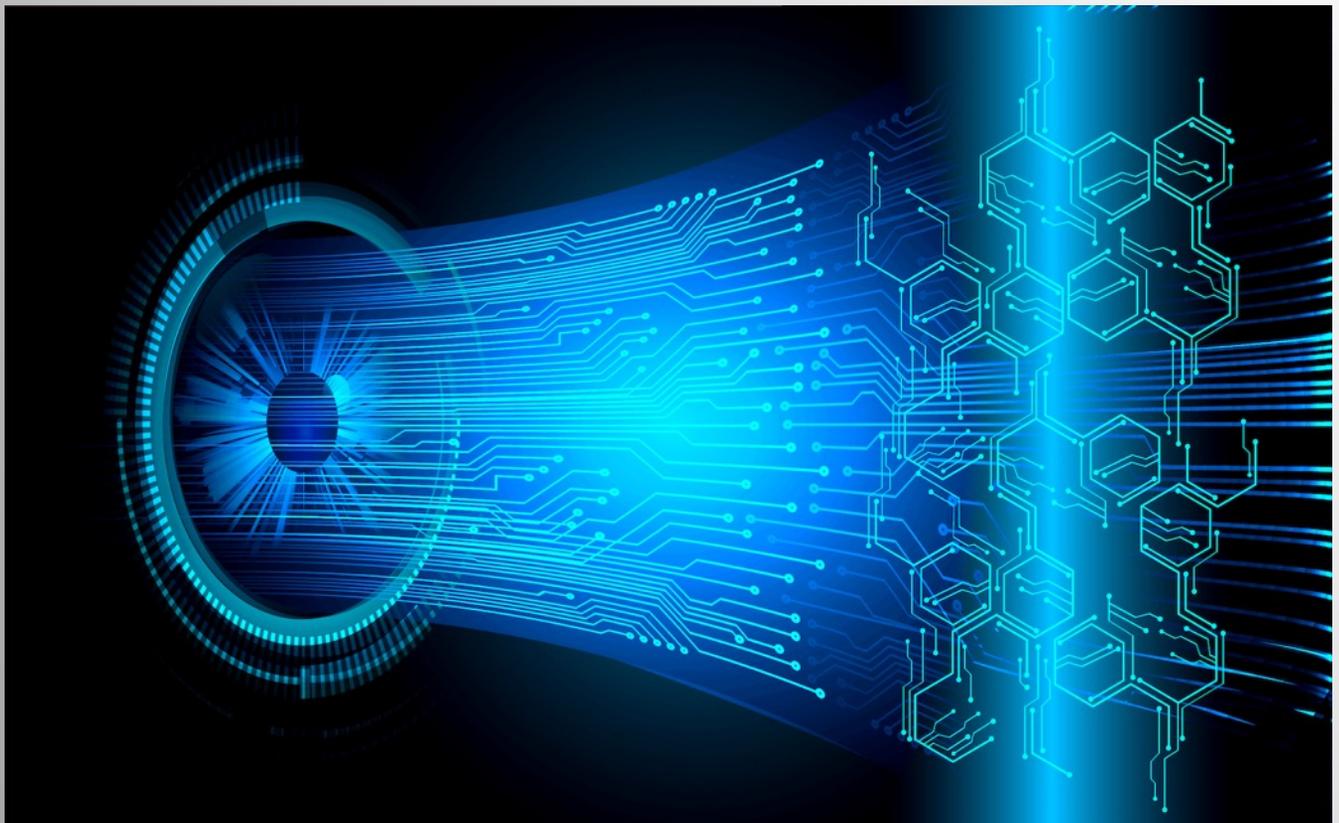
## Saturday, April 14

8:30a - 9:00a	Light breakfast	UH Cameron Bldg	4235 Cullen Blvd, first floor
9:00a - 10:00a	Houston Foresight community	Everyone shares a fringe scanning hit	
10:00a - 10:30a	Andy Hines & Kimberly Daniels	Framing the day: UH scanning process	
10:30a - 10:45a	<b>Break</b>		
10:45a - 11:30a	Anne Boysen	Using Data Analytics in Scanning	
11:30a - 12:00p	Eric Kingsbury	Burners, Discordians, Rainbows: Signals from the Counterculture	
12:00p - 1:00p	<b>Lunch</b>		
1:00p - 1:30p	Houston Foresight community	Sharing the tools we use for scanning	
1:30p - 2:00p	Tim Morgan	Scanning & Implications Analysis using Values Forms	
2:00p - 2:30p	Maria Romero	After Capitalism	
2:30p - 2:45p	<b>Break</b>		
2:45p - 3:15p	Kimberly Daniels	Foresight game	
3:15p - 4:00p	Jim Breaux	The Fringe Panel	
4:00p - 4:30p	Jay Gary	The Molitor Emerging Issues Model	
4:30p - 5:00p	APF Presentation	About the APF	

## Saturday, April 14 — “After Hours”

5:30p - ???	Informal dinner & get-together	The Hines home	714 E. 9th St, Houston, TX 77007
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# Fringe Scanning Hits

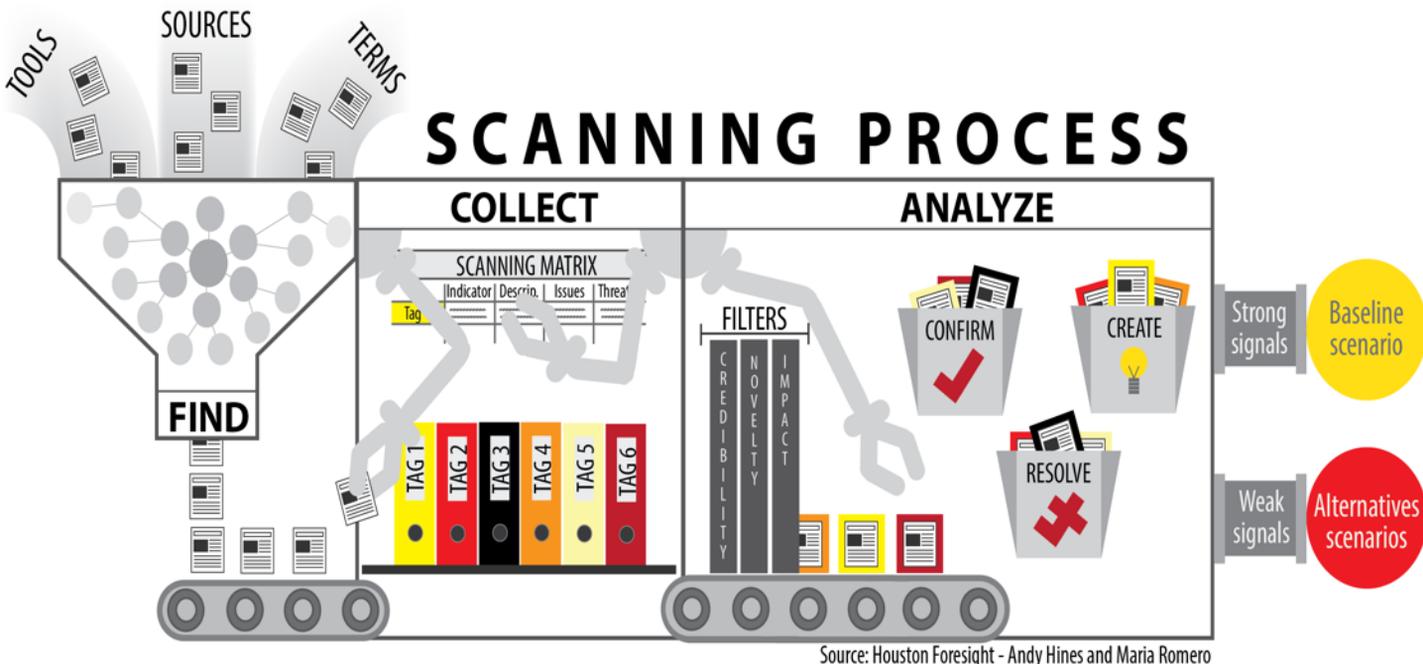


# Framing the Day

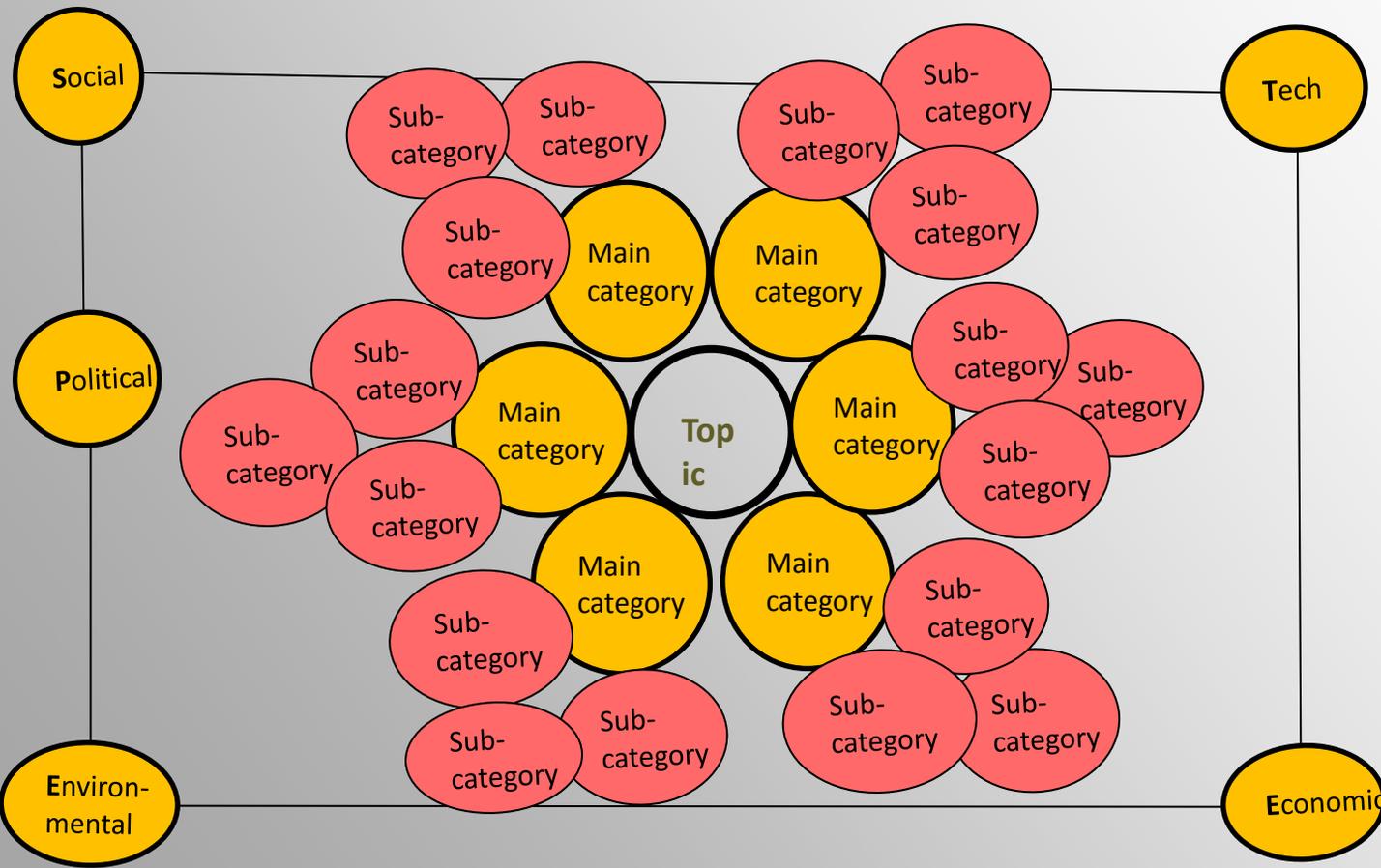
Andy Hines and  
Kimberly Daniels



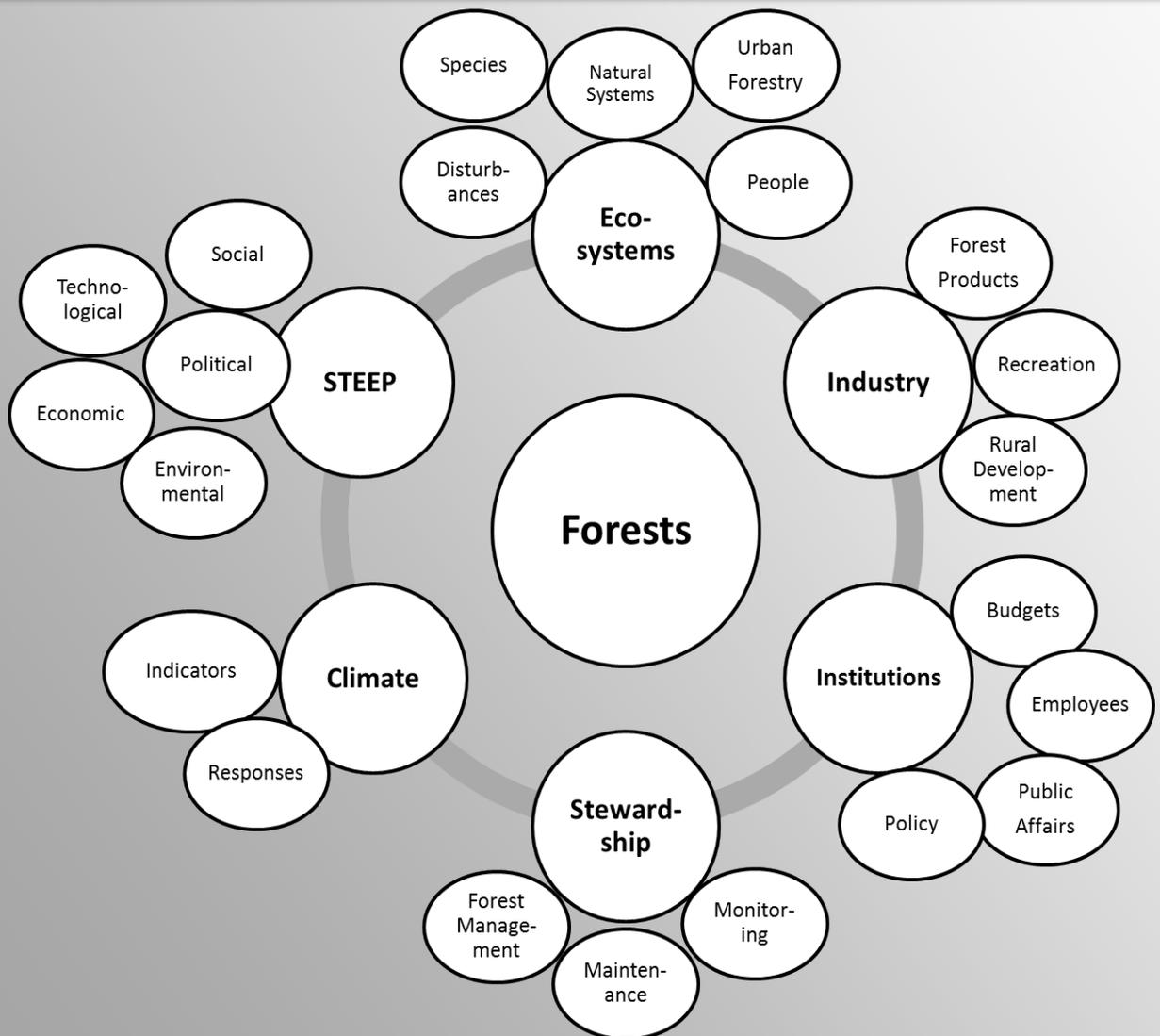
# Scanning Approach



# Cool Tool: Domain Map



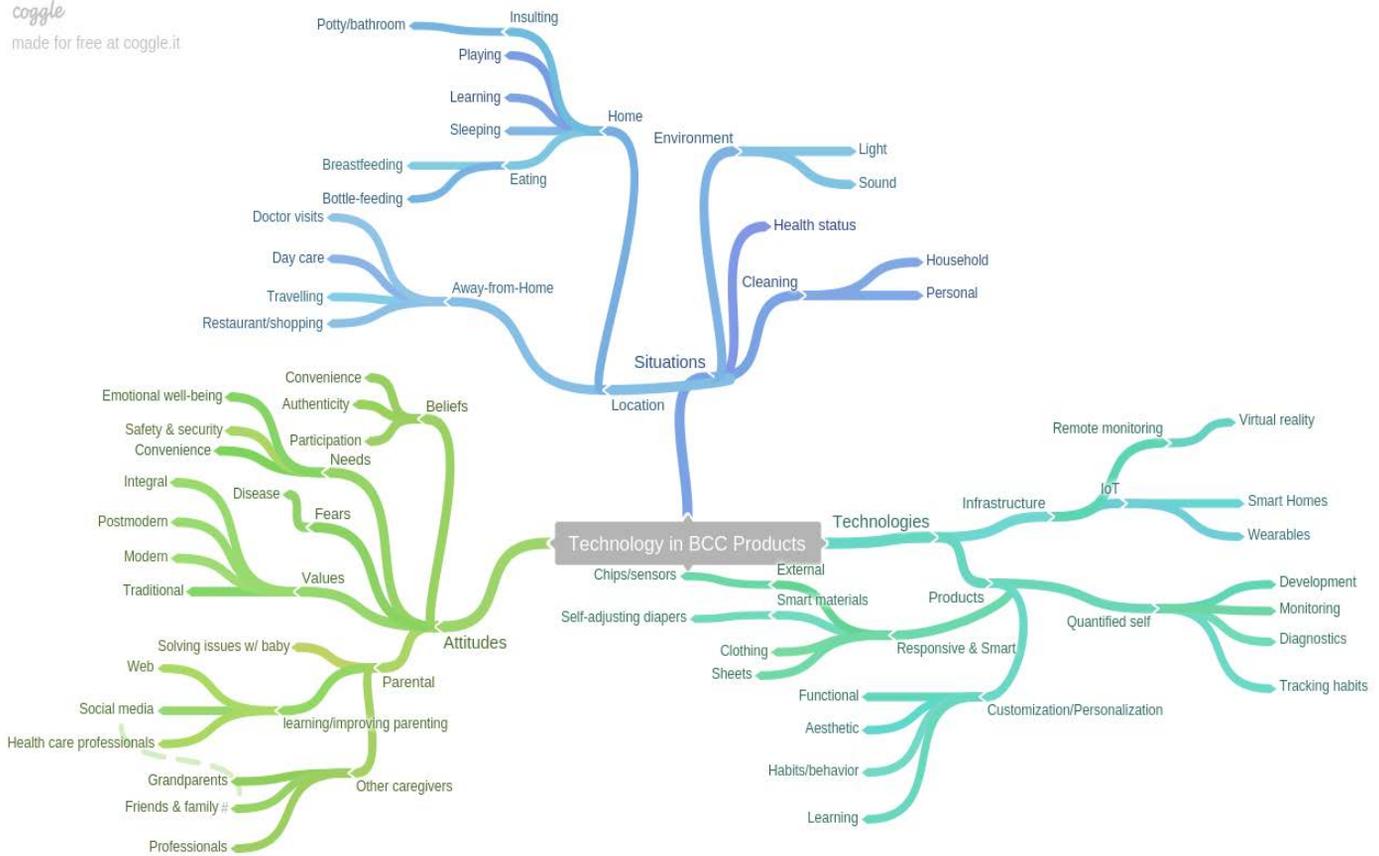
# Forestry



# Cool Tool: Coggle

coggle

made for free at coggle.it



# Cool Tool: Diigo

## Data to analytics to AI: From descriptive to predictive analytics | ZDNet - 1 views

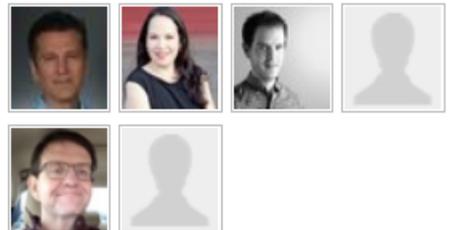
[www.zdnet.com/...iptive-to-predictive-analytics](#)

technologies products predictive analytics Big-Data

shared by [tmmorgan](#) on 26 May 17 - Comment - Like - No Cached - Save To My Library - More

### Data to Analytics to AI

There is a chain of evolution in analytics, ranging from descriptive to diagnostic to predictive, and culminating with prescriptive, according to [Gartner's classification](#). Many organizations are still in the descriptive stage, utilizing more or less traditional BI approaches: get all your data together and use visualization to get quick views on what has happened.



## IoT Insecurity: Top Connected Device Security Concerns | Threatpost | The first stop fo...

- 1 views

[threatpost.com/...119389](#)

technologies infrastructure security devices IoT

shared by [tmmorgan](#) on 27 May 17 - Comment - Like - No Cached - Save To My Library - More

A study by HP's security unit Fortify found that 70 percent of popular consumer IoT devices are easily hackable. When Kaspersky Lab examined industrial controls systems exposed to the Shodan search engine it found seven percent of 172,982 ICS components vulnerable to attack had "critical" issues.

### Top 10 Tags

[View All](#)

<a href="#">technologies</a>	158
<a href="#">products</a>	90
<a href="#">attitudes</a>	80
<a href="#">tracking</a>	57
<a href="#">monitoring</a>	54
<a href="#">quantified self</a>	54
<a href="#">parental</a>	53
<a href="#">values</a>	45
<a href="#">needs</a>	37
<a href="#">remote monitoring</a>	25

## Diaper Free: Gentle Wisdom of Natural Infant Hygiene - 1 views

[www.naturalchild.org/...ingrid\\_bauer.html](#)

diaper-free elimination parental monitoring values

shared by [cstuebner](#) on 17 Jul 17 - Comment - Like - Cached - Save To My Library - More

[cstuebner](#) on 17 Jul 17

There are as many different ways of approaching parenting as there are cultures. However, in cultures where mothers are still parenting in the same gentle ways they have for generations, the similarities are also striking. Nurturing practices such as natural weaning ("extended nursing"), co-sleeping, carrying the baby in close physical contact, responding promptly to cries or distress, and never leaving a baby alone, are all virtually universal in traditional societies that have not become overly "westernized". In the majority of non-industrialized cultures, mothers also know how to tune into their babies' elimination needs, and how to keep them clean and dry without diapers.

# Dubai “Residency & Foreigners Affairs” Scanning Sampler

## Hits re: Smart City

**Safe cities: Using smart tech for public security**

**The truth about smart cities: ‘In the end, they will destroy democracy’**

**Smart governance as key to multi-jurisdictional smart city initiatives: The case of the eCityGov Alliance**

**Data Sabotage: The Serious Security Risk of Smart Cities**

**Singapore Is Taking the ‘Smart City’ to a Whole New Level**

**Unsecured speeding cameras wide open to smart city hackers**

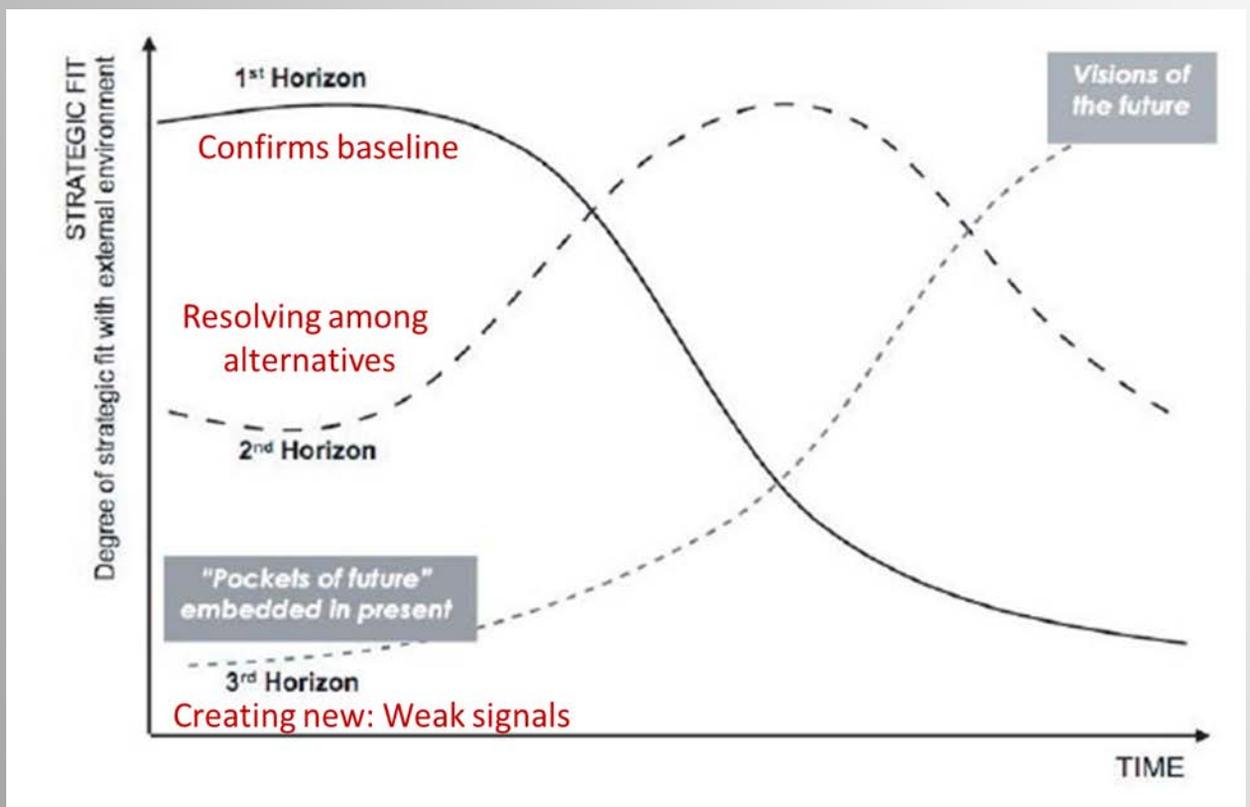
**Cyber-security in smart cities: the case of Dubai**

**Data Sabotage: The Serious Security Risk of Smart Cities**

**Dubai to build cyber shield to protect smart city data**

**Urban Informatics: Putting Big Data to Work in Our Cities**

# Three Horizons



# Tagging on the Three Horizons

## Forestry Project

Top 10 Tags	<a href="#">View All</a>
<a href="#">Horizon 2</a>	462
<a href="#">horizon 1</a>	400
<a href="#">climate</a>	309
<a href="#">ecosystems</a>	308
<a href="#">Technology</a>	260
<a href="#">stewardship</a>	214
<a href="#">industry</a>	207
<a href="#">Horizon 3</a>	171

# Kidtech: Situating Scanning on 3 Horizons

## Domain: VALUES

### H1 now to 2020

- **Peer-to-peer learning:** parents value opinions of other parents for reviews, lessons-learned
  - BabyCenter
  - Fatherly
- **Fear-driven technology:** marketing around sleep technology driven to avoid harm to the baby
- **Fears over privacy:** data collection for infants is in its infancy, and security has not been fully vetted.
- **Healthy, active lifestyles:** from organic foods to exercise, parents look for self-care.
- **Uncertainty about screen time:** how much time is healthy for infants/toddlers to look at a screen?
- **Demand for tracking:** there are technologies to track everything from food consumption (and processing) to sleep patterns and movement, geared toward a deeper understanding of parent-child relationships
- **Data overload:** on the other hand of demand for tracking, uncertainty and uneasiness of what to do with all the data
- **Nontraditional families** — more children are being raised in homes other than a male and a female parent, and that is mattering less.

### H2 2021-2026

- **Specialized instruction:** in home training for things like potty training.
- **Entrepreneurial moms:** millennial moms start businesses out of the home for work/life balance
- **Connected daycare:** convenience and safety combine when day care has streamlined/on demand processes with real-time statusing
- **Everything on demand:** Parents expecting customization across all aspects of parental life as a standard service. (subscription services, push-for-service)
- **Smart goal setting:** Instead of setting huge goals, set small, actionable goals that help optimize outcomes with low impact (Apps that aim; Glow Baby)
- **Better voice assistants:** more reliable voice, ubiquitous could give advice, thoroughly review products based on values on demand.
- **Augmented chores:** tools and tech to make the day-to-day formative and fun (bath)
- **Gamification of parental education:** web apps help parents learn basic parenting through incentivized, social platforms. Doctors and counselors can access and help as well.
- **Interpersonal skills development fear:** with more automated/AI, parents fear children not relating to people as well.
- **Hacking risk of IoT data:** as data becomes even more prevalent, the stakes are higher for security
- **Values align with business:** More parents look at the values of the company they are buying from.

### H3 2027+

- **Resilience parenting:** as a response to over-protective parenting, parents focus on formation and experience over safeguarding and strict discipline.
- **Early talent spotting:** AI could notice patterns early on that the child is particularly gifted at and help explore their unique talents.
- **Augmented reality:** avoid technological isolation by enhancing physical world and physical interactions.
- **Longer lives:** fuller house with aging parents and grandparents
- **Smart contracts:** help manage IoT with rules (blockchain)
- **Expectation of using child-hood data:** if parents don't use data from early childhood for career placement or higher education opportunities, there is the fear of missing out.
- **Data twins:** a digital double to run simulations to see how decisions and activities impact the future or systems.
- **Tunable AI Nanny:** configurable advice and actions based on value inputs.

# Situating Scanning on the Three Horizons

<u>H1</u> now to 2020	<u>H2</u> 2021-2026	<u>H3</u> 2027+
<ul style="list-style-type: none"><li>Key scan hits</li></ul> <p>Watson</p> 	<ul style="list-style-type: none"><li>Key scan hits</li></ul> <p>Kids MD</p> 	<ul style="list-style-type: none"><li>Key scan hits</li></ul> <p>Lifelong diagnostics</p> 

# Deliverables

## ANALYZE

Strong signals = trends



Feeds the baseline forecast

Category	Description	Cite
Constants		
Trends (can say "more" or "less" of something)		
Plans		
Projections		

Weaker signals



Feeds the alternative forecasts

Category	Description	Foundation
Trend Breaks		
Unfulfilled Plans		
Events		
Issues		
Ideas		
Key uncertainties		



# BREAK

# Using Data Analytics in Scanning

Anne Boysen

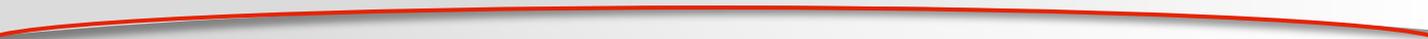




# Burners, Discordians, Rainbows: Signals from the Counterculture

Eric Kingsbury





# LUNCH

# Sharing the Tools we use for Scanning

Houston Foresight



# Scanning & Implications Analysis Using Values Forms

Tim Morgan



# After Capitalism

Maria Romero





# BREAK

# Foresight Jeopardy

Founding Futurists	Contemporary Futurists	Foresight Classic Books	Foresight Contemporary Books	Foresight Organizations	Movies about the future
<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>
<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>
<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>
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<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>
<b>FINAL JEOPARDY</b>					

# The Fringe Panel



# The Molitor Emerging Issues Model

Jay Gary



# APF Presentation





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# “After Hours”

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