

A person in a dark suit is seen from behind, interacting with a large, glowing digital display. The display is filled with various data visualizations, including line graphs, bar charts, and pie charts, all in shades of blue and white. The person's hands are raised, touching the screen. The background is a dark blue gradient with faint, glowing patterns.

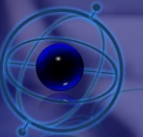
# Leadership and Cyber Risk Intelligence

*Tuesday June 20, 2017*



# Leadership demands *Informed* Decision Making

*False urgency* and *Impatience* are *not* excuses  
for avoiding doing your homework

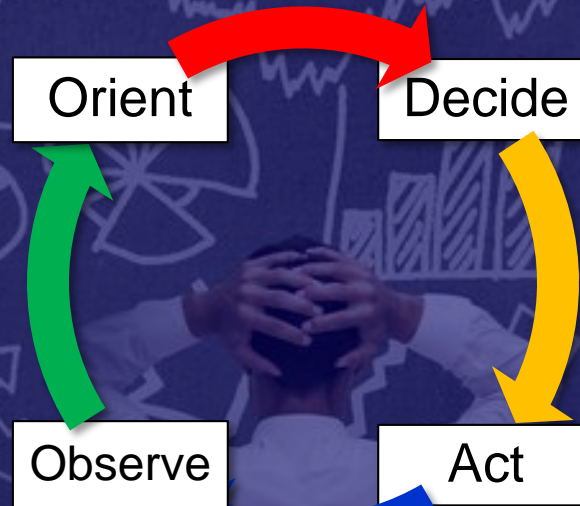




**Cybersecurity**  
Leadership  
is charged with...

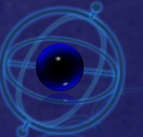
Reporting

Mitigating **Risk**  
due to Cyber  
Dependencies



Reactive

Proactive





The "Risk Formula" (model)

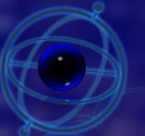
$$\text{Risk} = \sum f \{ T \times V \times C \}$$

## Fundamental **Elements** of Risk

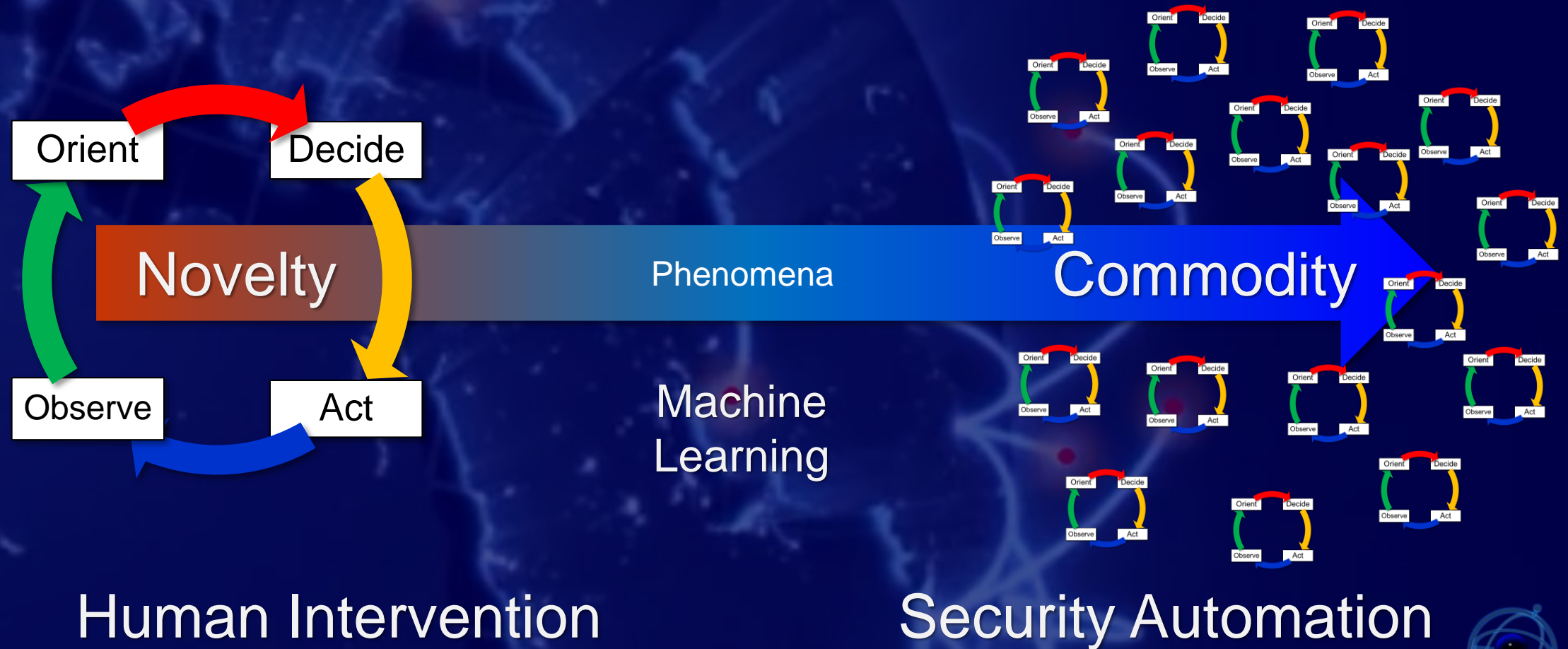
T = Threat

V = Vulnerability

C = *Consequence*



# A Broad Spectrum of Threats





# Informed Decisions Demand...

*What If?*



*What Else?*

*What?*

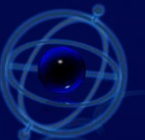
*So What?*

*Now What?*

the  
“*What Imperatives*”™



... **Context**



# “7 Vectors of **Cyber Risk Intelligence**”™

## **Integrates** a wide range of **existing data sources**

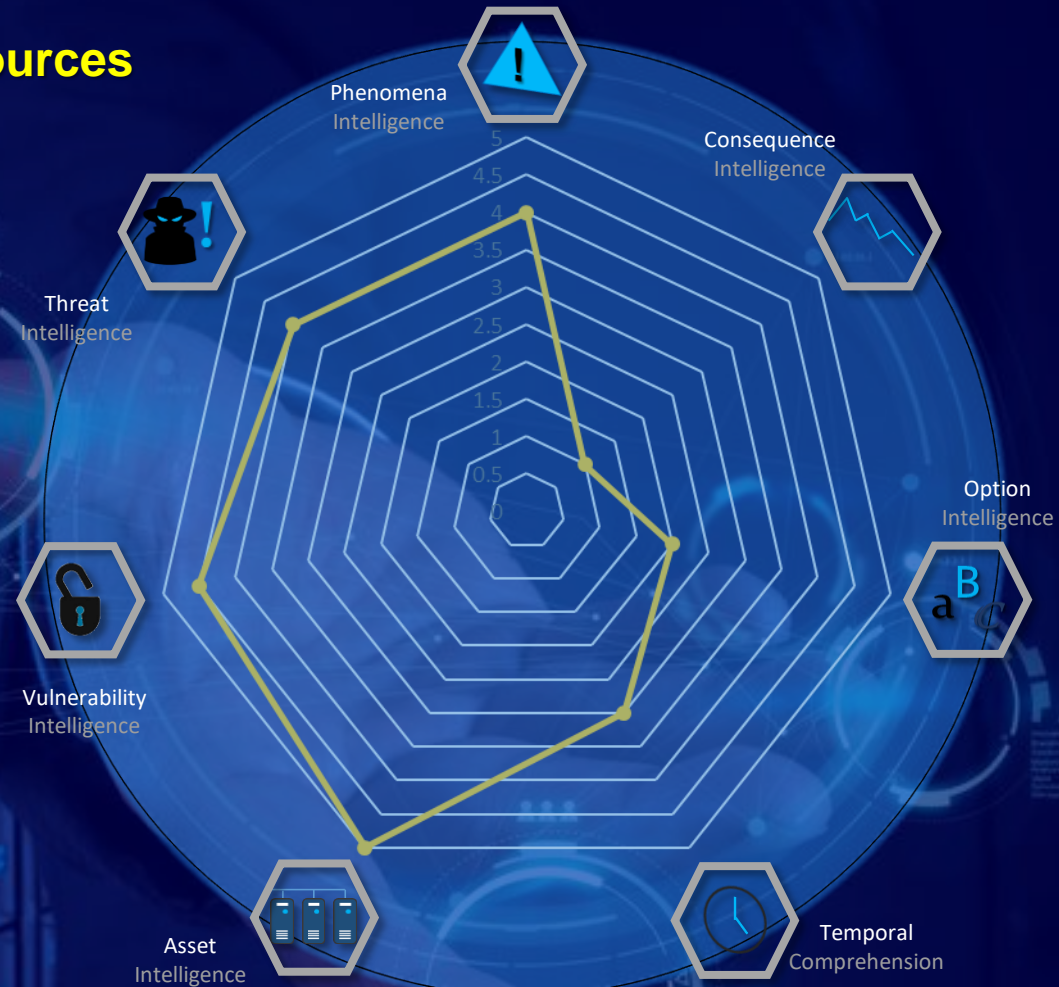
- Asset & Config Management
- Vulnerability & Patch Management
- Cyber Threat Intelligence
- Event Monitoring and Management
- Cyber Analytics and Threat Hunting

## **Adds Contextual Intelligence**

- “Consequences” via Dynamic Business Impact Analysis
- Countermeasures, including their Business Impact Analysis
- Temporal Comprehension

## **Provides continuous Critical Context**

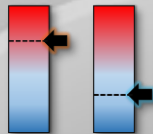
- To Response decisions
- To Proactive planning/investment decisions
- To Reporting... across all Stakeholders





# Leadership

Cyber Risk Mitigation



$$\text{Risk} = \sum f\{T \times V \times C\}$$

Novelty

Phenomena

Commodity

Decisions



Questions



What?

So What?

What Else?

Now What?

What If?

Answers



Assets

Vulnerabilities

Threats

Phenomena

Consequences

Options

Time

# Cyber Risk Intelligence

