

# **Tectonic Shifts that Will Affect Your Career in Privacy and Cybersecurity**

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InfraGuard – Houston Technology CSC Webinar

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# Overview

- Preface
- The Current Symptoms
- Some (necessary) History
- The Real Battles
- A Framework for Understanding the Trends
- The Trends
- Conclusions



# Preface

This is going to be *hard*

This is going to be *unpleasant*

I'm going to ruffle some feathers

IF I have ever  
hurt you, I am  
Sorry

But the historical context is vital  
... and it pertains to **you**

Patience & Attention are important

This is the civics they didn't  
teach you in high school  
(but should have)

# Things to Remember...

- Don't Panic (it's not time for that)
- This is **not** a conspiracy
  - Natural result of adopted policies
  - Things like this have happened in the past
- A good outcome is **never** guaranteed
- Yes, it's bad – but it could always be worse

# **The Current Symptoms**

- **Mass Unemployment**
- **Shrinking Middle Class / Limited Social Mobility**
- **Alarming Rise of “Zombie” Corporations**
- **Gargantuan (un-payable) Debt**
- **Geopolitical Instability**
- **Trouble Dealing With Natural Disasters**

# The Major Pathologies

- **Anger & Disillusionment**
- **Substance Abuse & Suicidal Thoughts**
- **Rise in Violent Crime**
- **Reduced Adherence to the Law by Individuals, Corporations and Governments**
- **Reduced Social Cohesion**

# Some Necessary History

- Confluence of Major (Historical) Events
  - U.S. is ending its third *Polybian cycle*
  - Humanity is undergoing a *Third Industrial Revolution*
  - Resource base is *depleting*
  - Advent of the *Internet* levels the international playing field -- **making income disparity harder to maintain**
  - Widespread problems due to *financialization*

**This is an old story...**

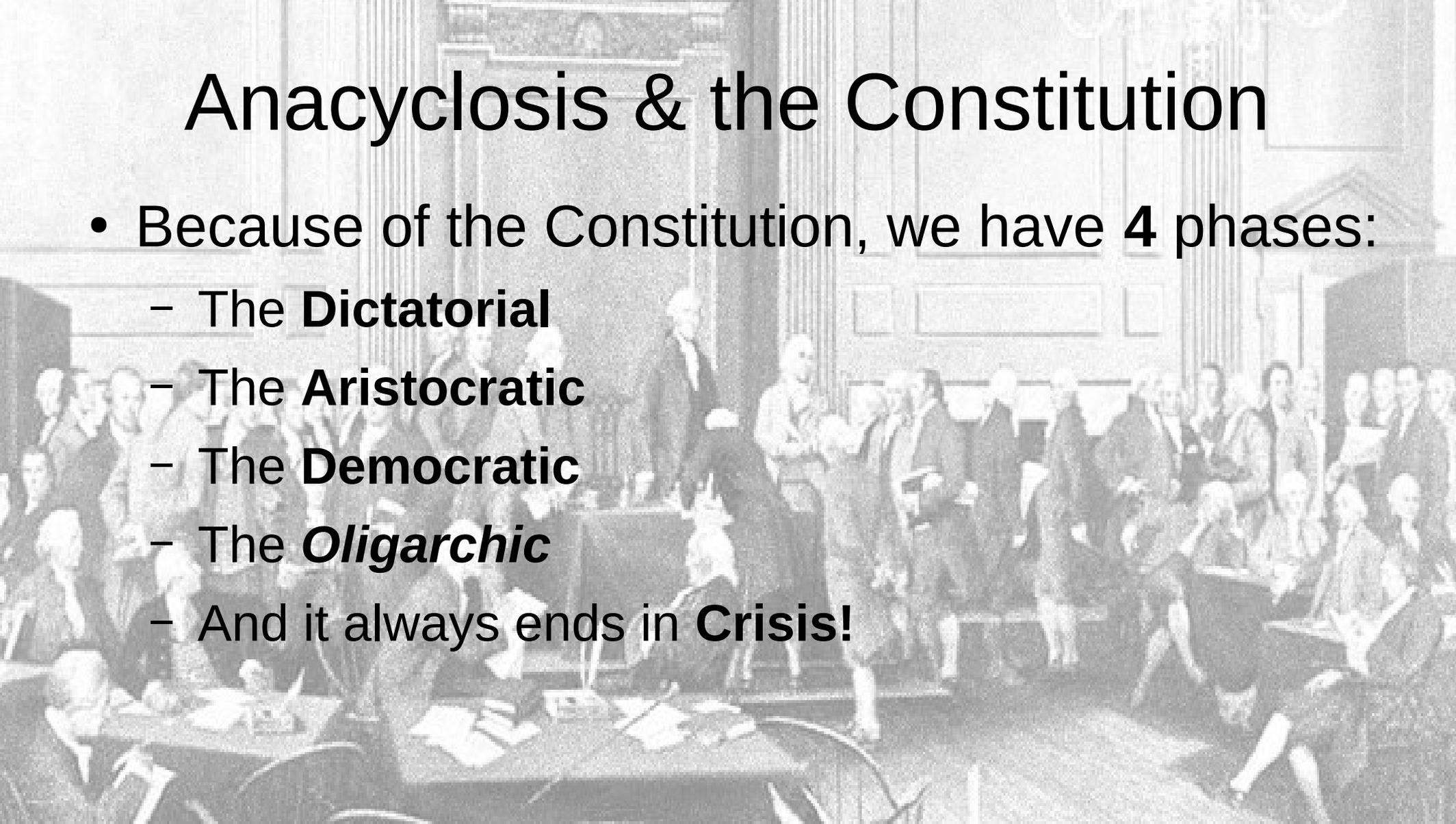
# Polybian Cycles

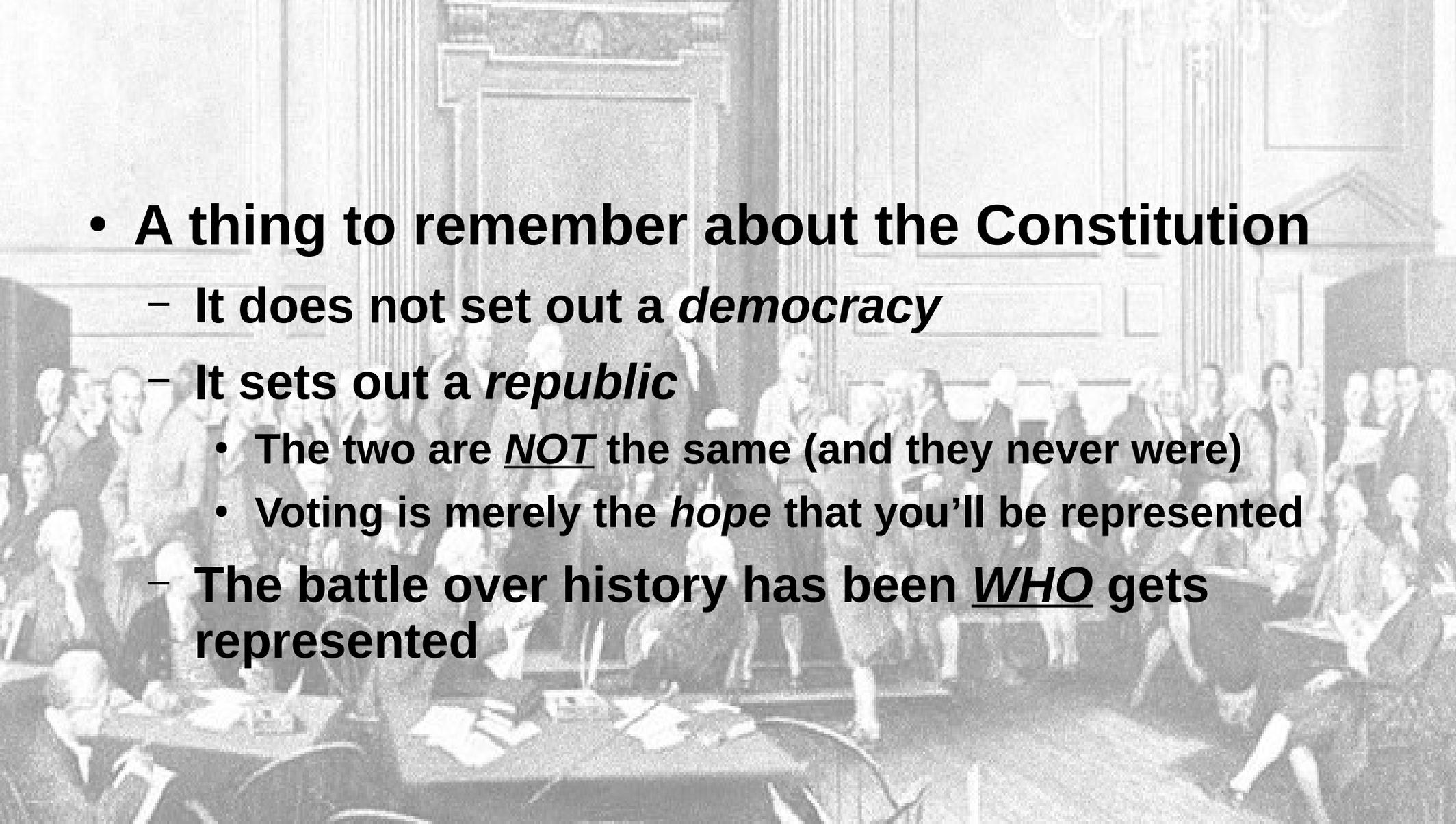
- From *The Histories*
  - Anacyclosis
    - Rule by the One, the Few, the Many
  - Three Phases
    - Dictatorial
    - Aristocratic
    - Democratic



# Anacyclosis & the Constitution

- Because of the Constitution, we have 4 phases:
  - The **Dictatorial**
  - The **Aristocratic**
  - The **Democratic**
  - The ***Oligarchic***
  - And it always ends in **Crisis!**





- **A thing to remember about the Constitution**

- It does not set out a *democracy*

- It sets out a *republic*

- The two are NOT the same (and they never were)

- Voting is merely the *hope* that you'll be represented

- The battle over history has been WHO gets represented

**Dictatorial Phase**



**Aristocratic Phase**

Adams, Jefferson  
Madison, Monroe  
John Quincy Adams

Johnson, Grant,  
Hayes, Garfield,  
Cleveland, Harrison,  
McKinley

Truman & Eisenhower

**Democratic Phase**

Jacksonian  
Democracy

The Progressive Era



**Oligarchic Phase**

Westward Expansion  
via Manifest Destiny

The Roaring 20's

From 1980 - 2008

**Crisis!**



# Adding to the list...

A group of about ten people are sitting on a concrete ledge, looking out over a city. In the background, there is a large building under construction or demolition, with several cranes visible. The scene is somewhat hazy, suggesting a dusty or smoggy atmosphere. The people are dressed in casual clothing, and some are looking towards the camera while others are looking away.

- Resource Depletion
  - Water, Oil, Industrial Metals, etc.
  - Resource Contention
- End of Globalization & Global Currency Reset
- Etc.
  - Pandemics
  - Climate Change
  - Artificial Intelligence & Other Automation

**“The weaknesses of mankind are generally accentuated under strange and unaccustomed conditions.”**

*–Cyril Benstead*

**When people (and companies) are  
worried about their conditions,  
their overriding concern is:**

**CONTROL**

Fundamentally, control requires...

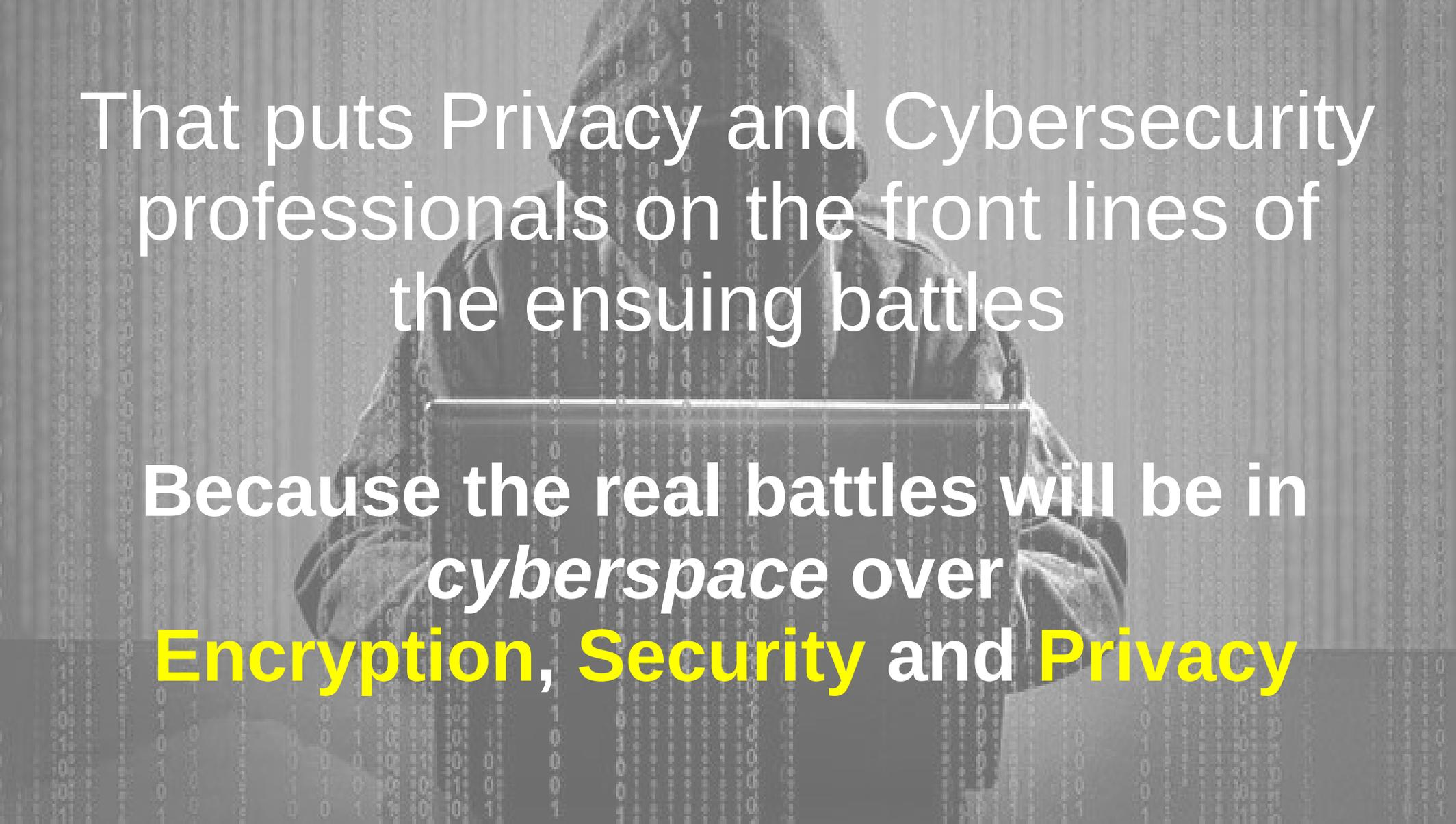
**POWER to Coerce**

**TRUST**

**Accountability**

Unfortunately, the current situation has caused Americans to *lose* **trust** in one another, and corruption has replaced **accountability**

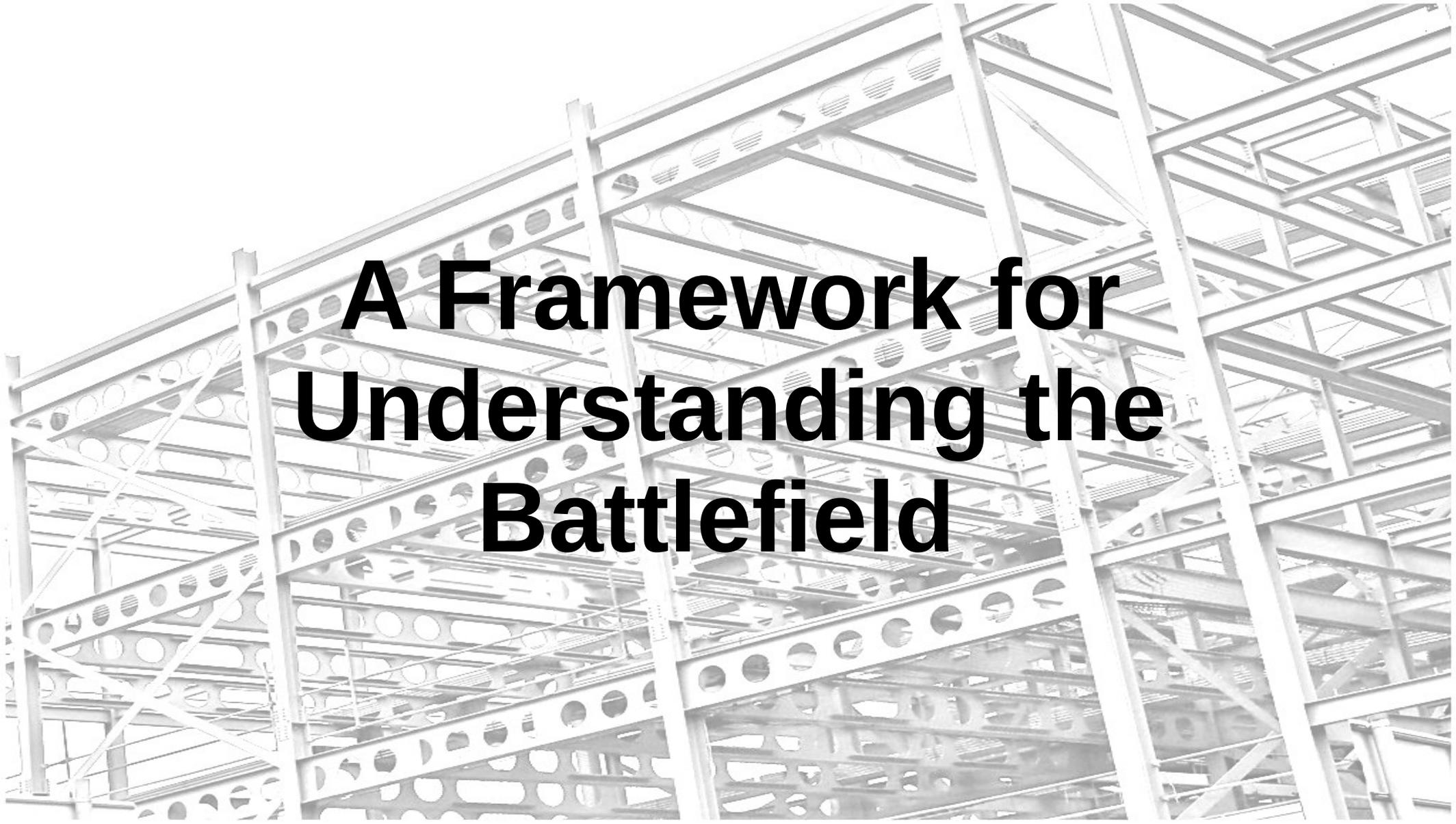
Consequently, Americans are putting their faith in **technology** rather than people



That puts Privacy and Cybersecurity professionals on the front lines of the ensuing battles

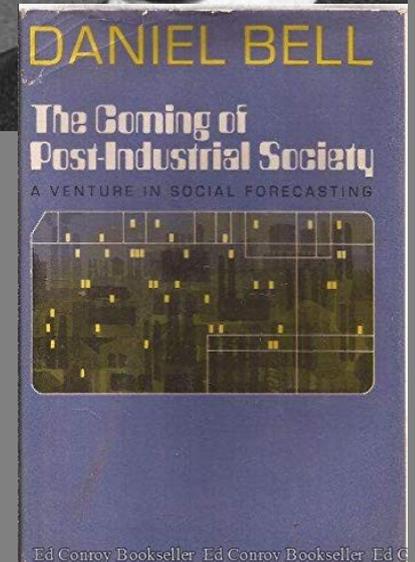
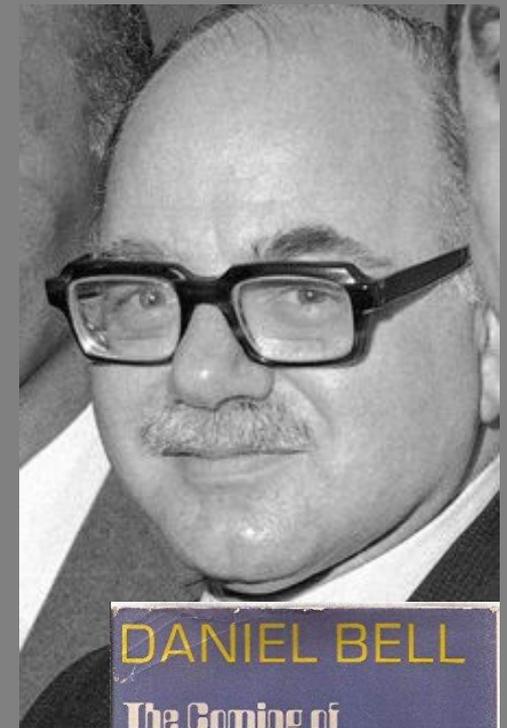
Because the real battles will be in *cyberspace* over **Encryption, Security and Privacy**

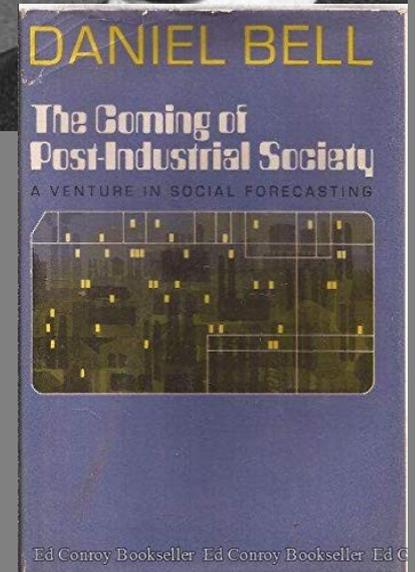
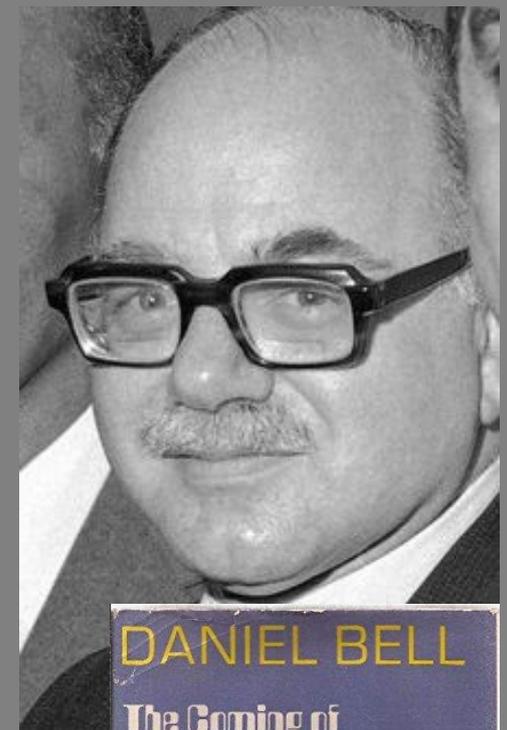
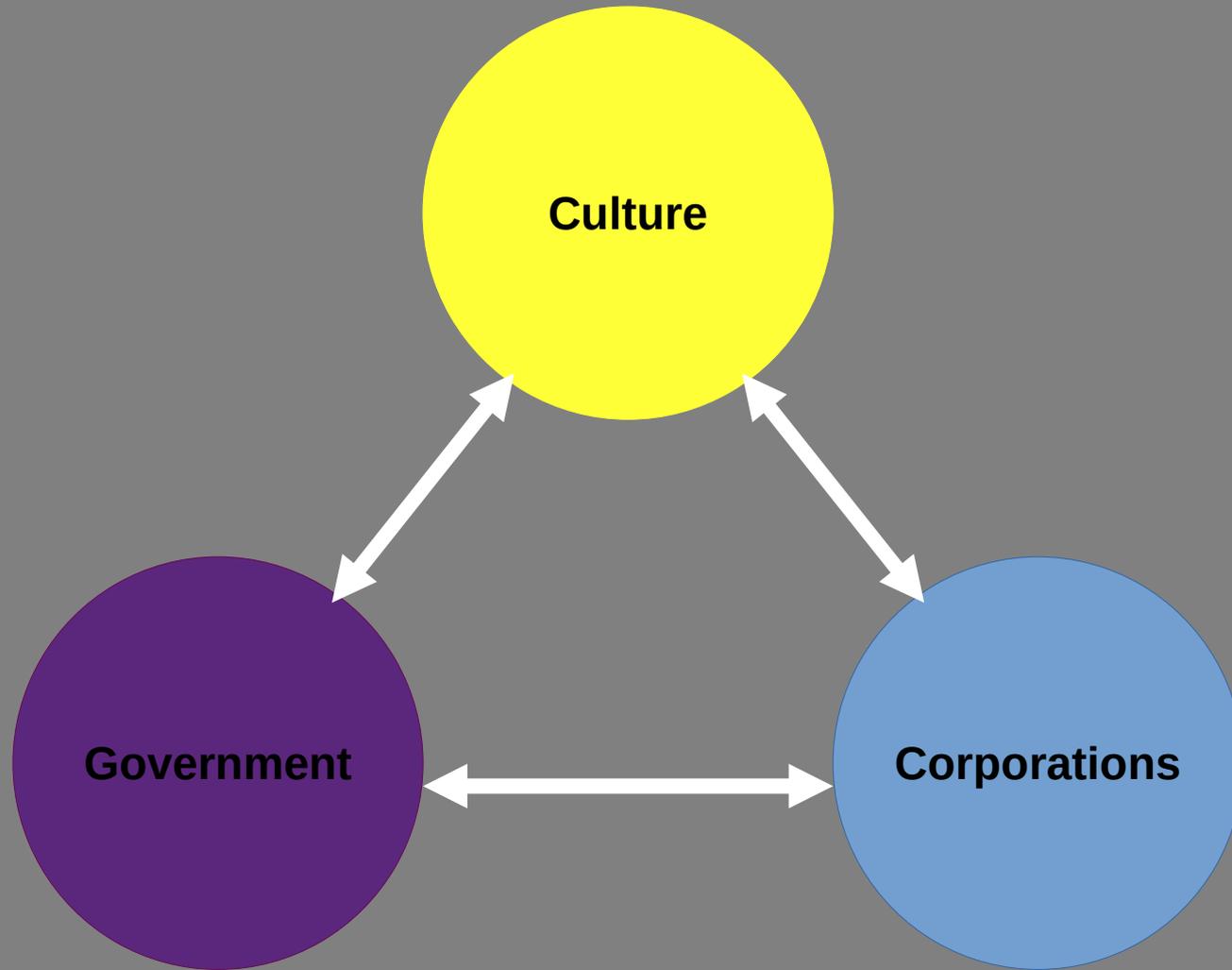
Take a deep breath



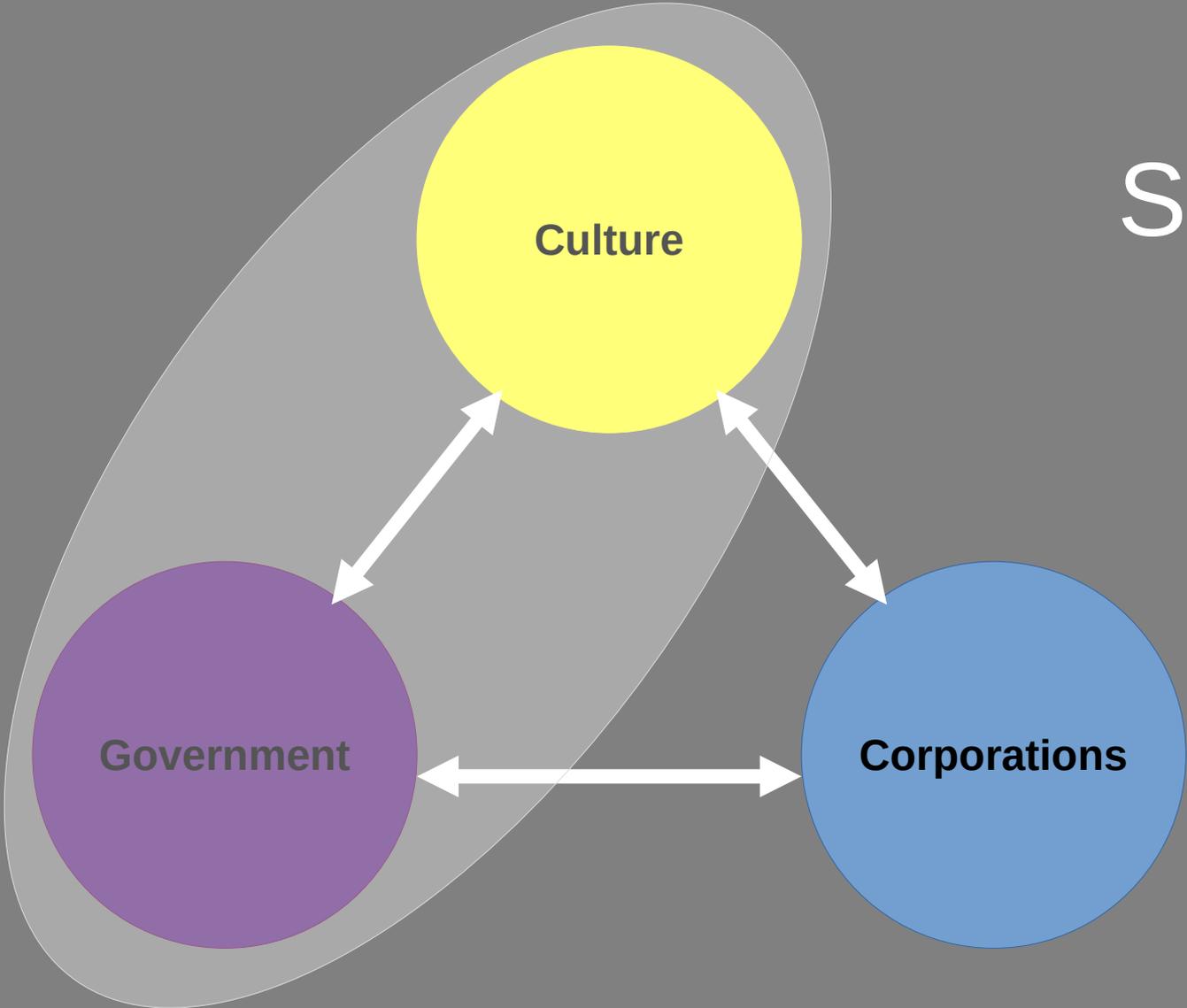
# **A Framework for Understanding the Battlefield**

- **Pre-Industrial** society is dependent upon raw labor power and the extraction of primary resources from nature
- **Industrial** society is organized around the axis of production and machinery, for the fabrication of goods
- **Post-Industrial** society is organized around *information*, for the provision of services

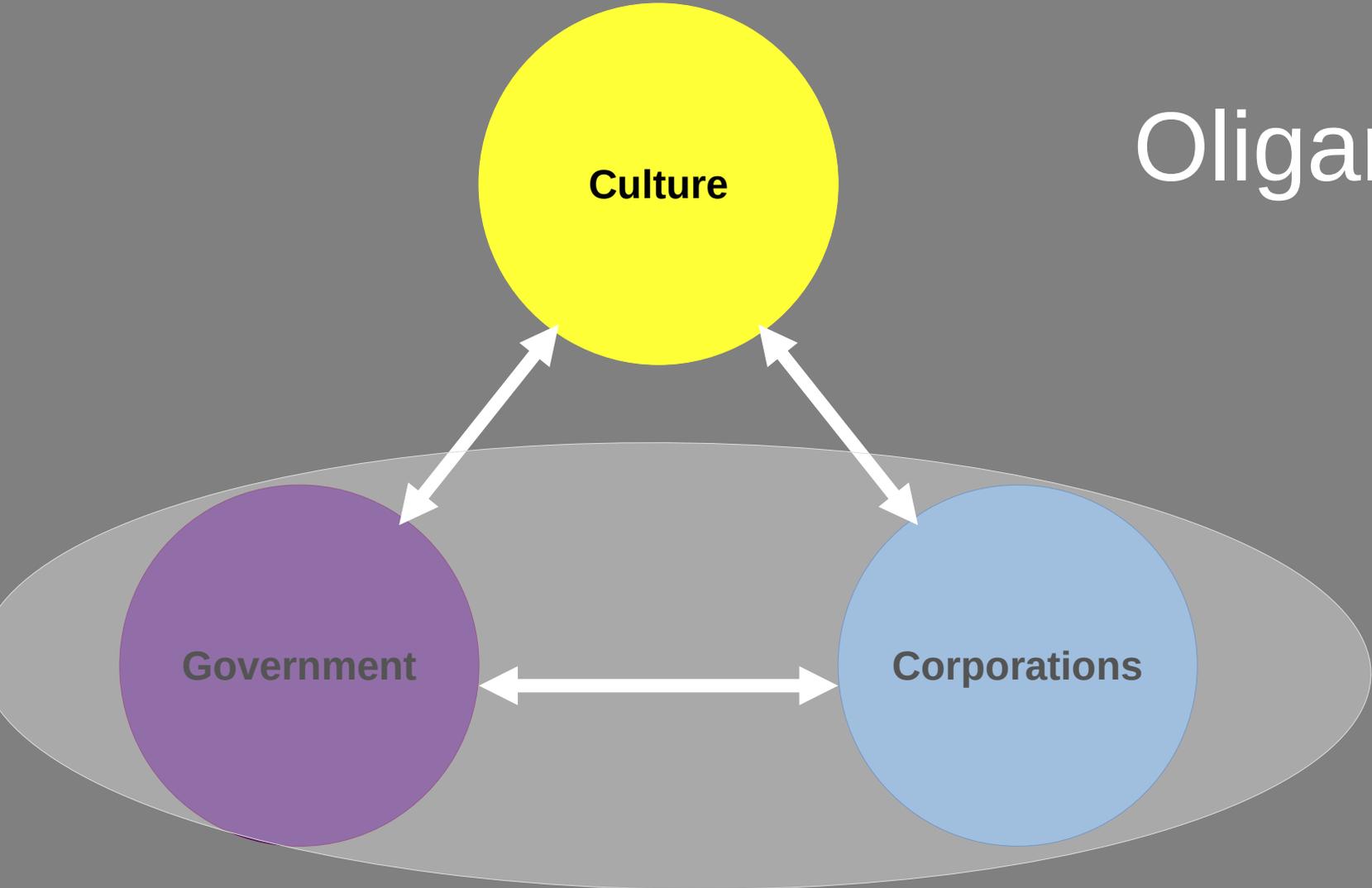




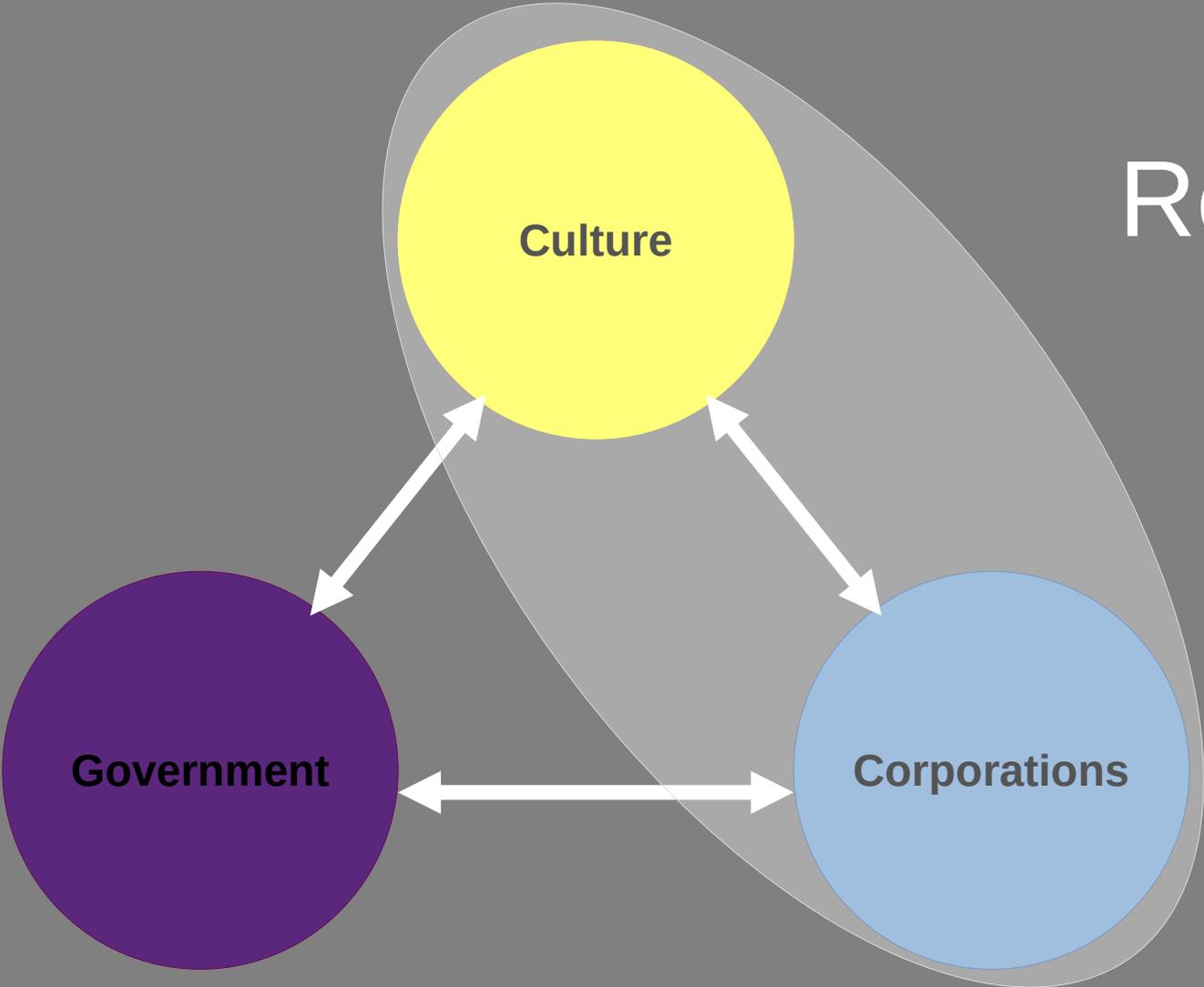
# Socialistic



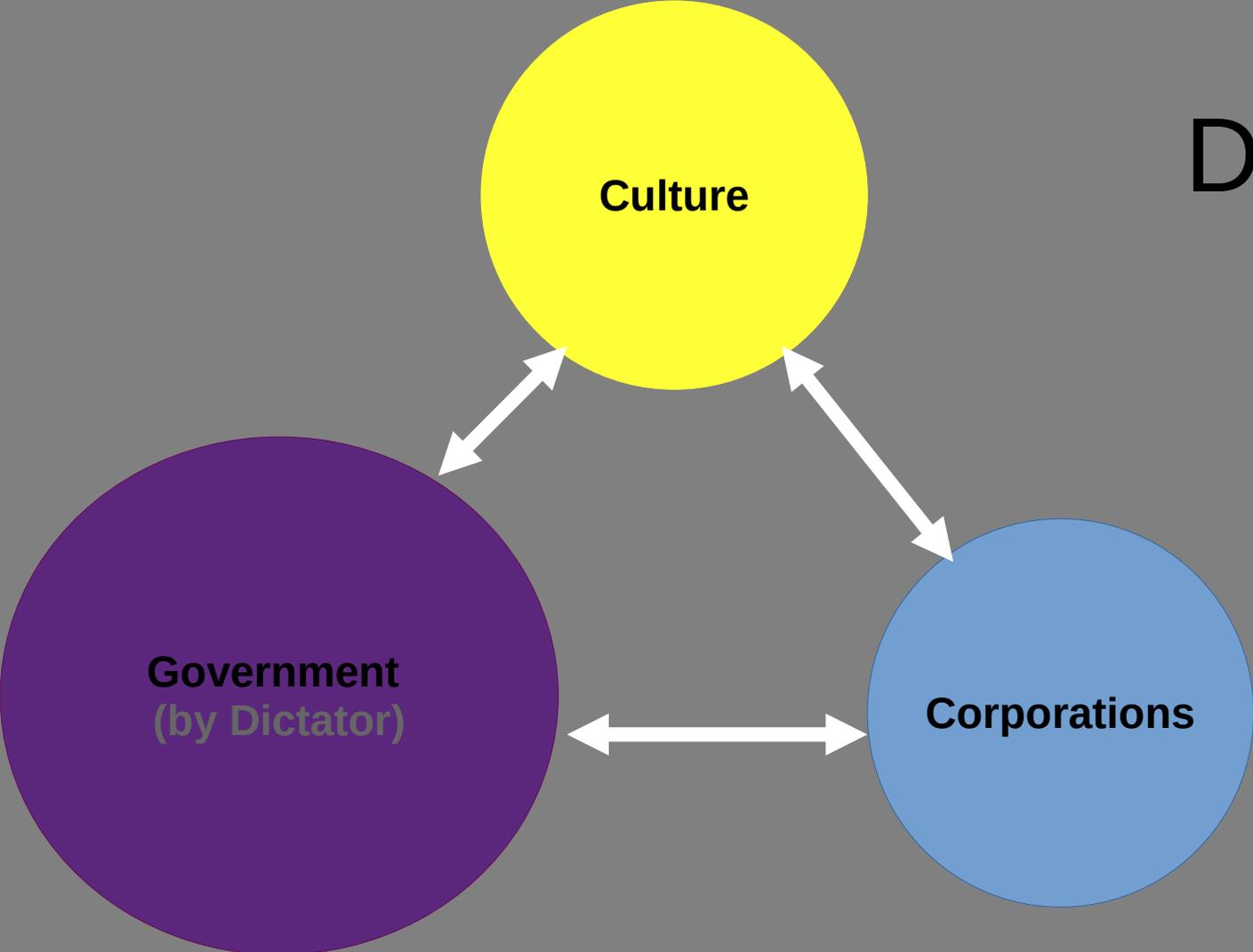
# Oligarchic



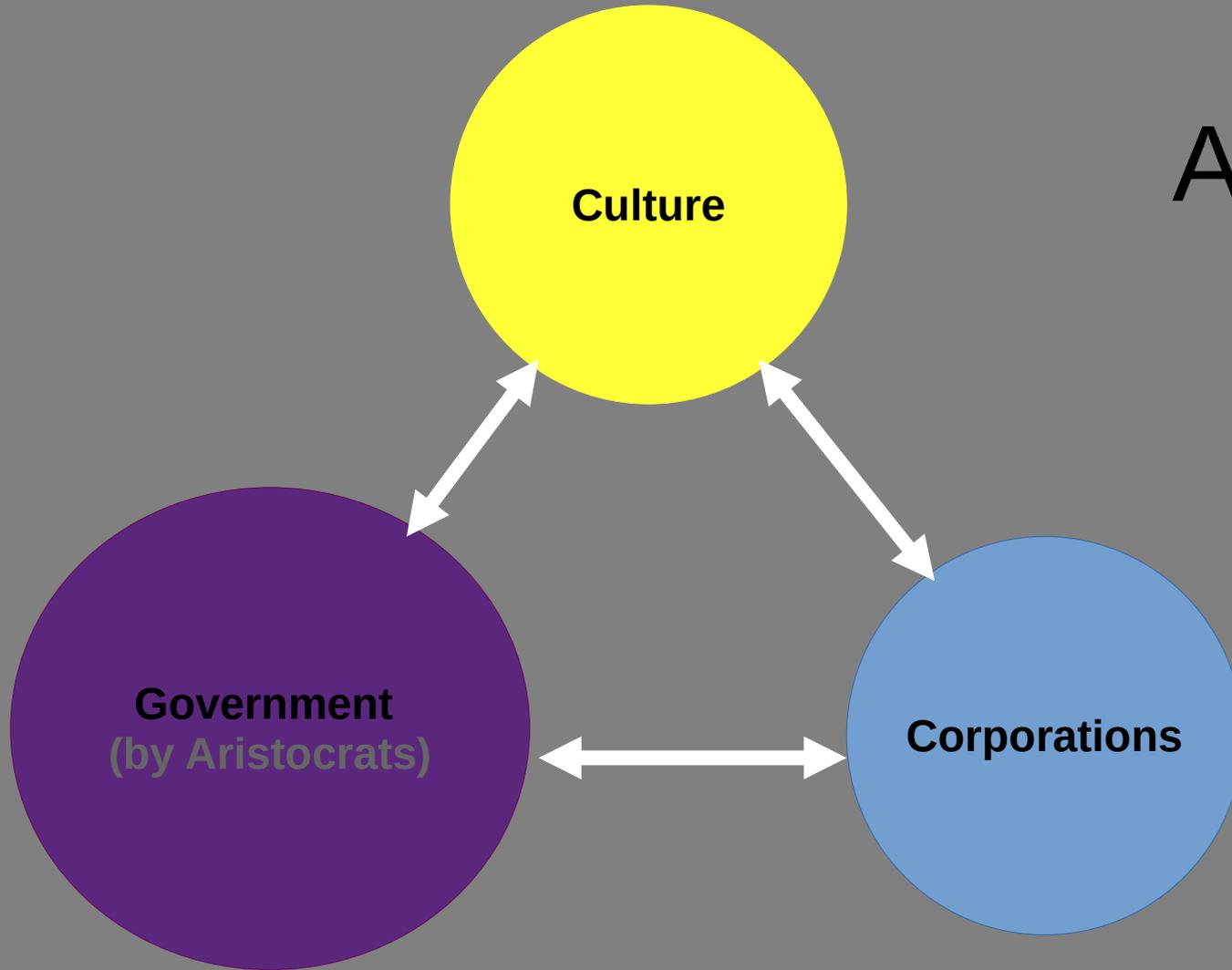
# Revolution



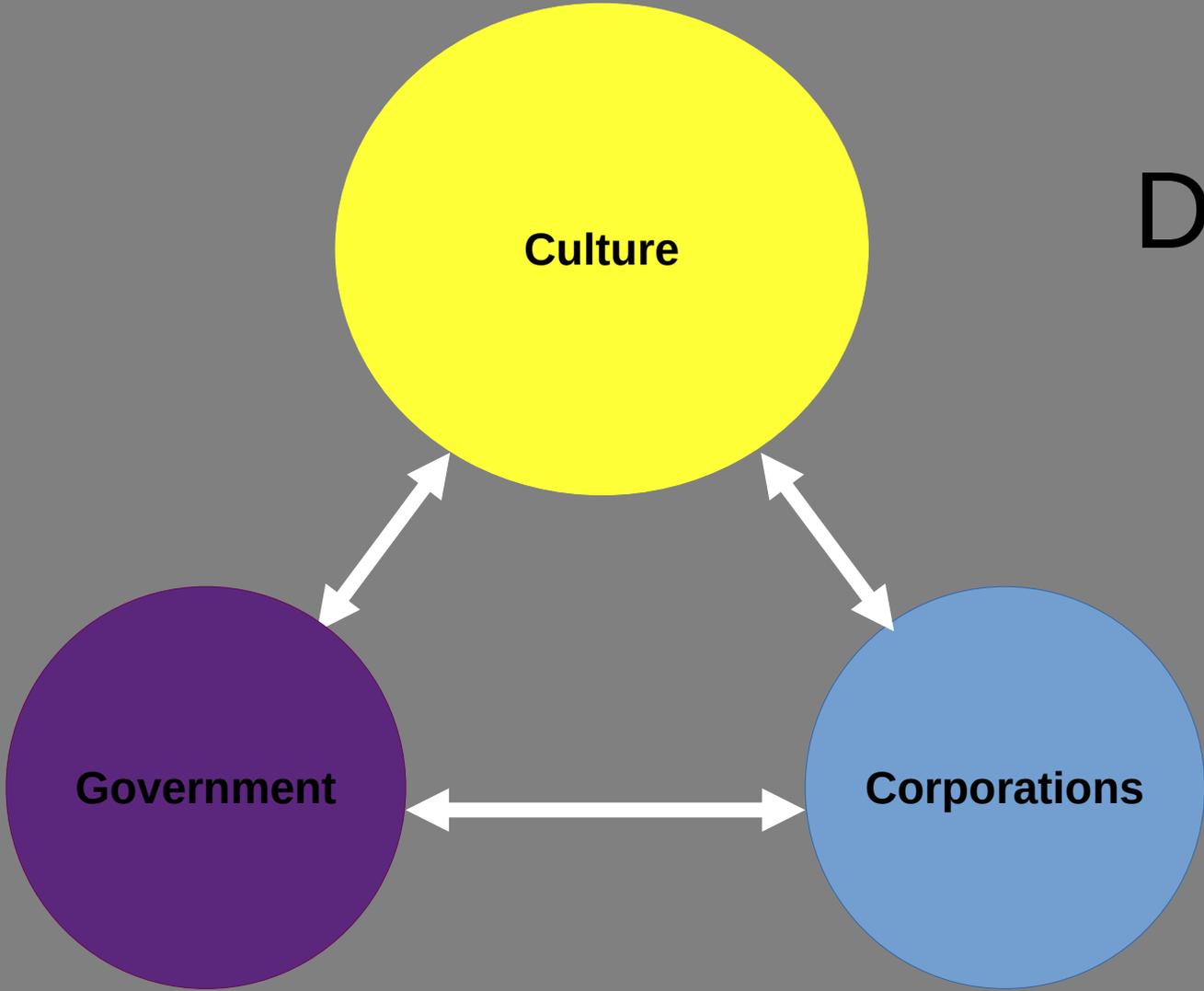
# Dictatorial



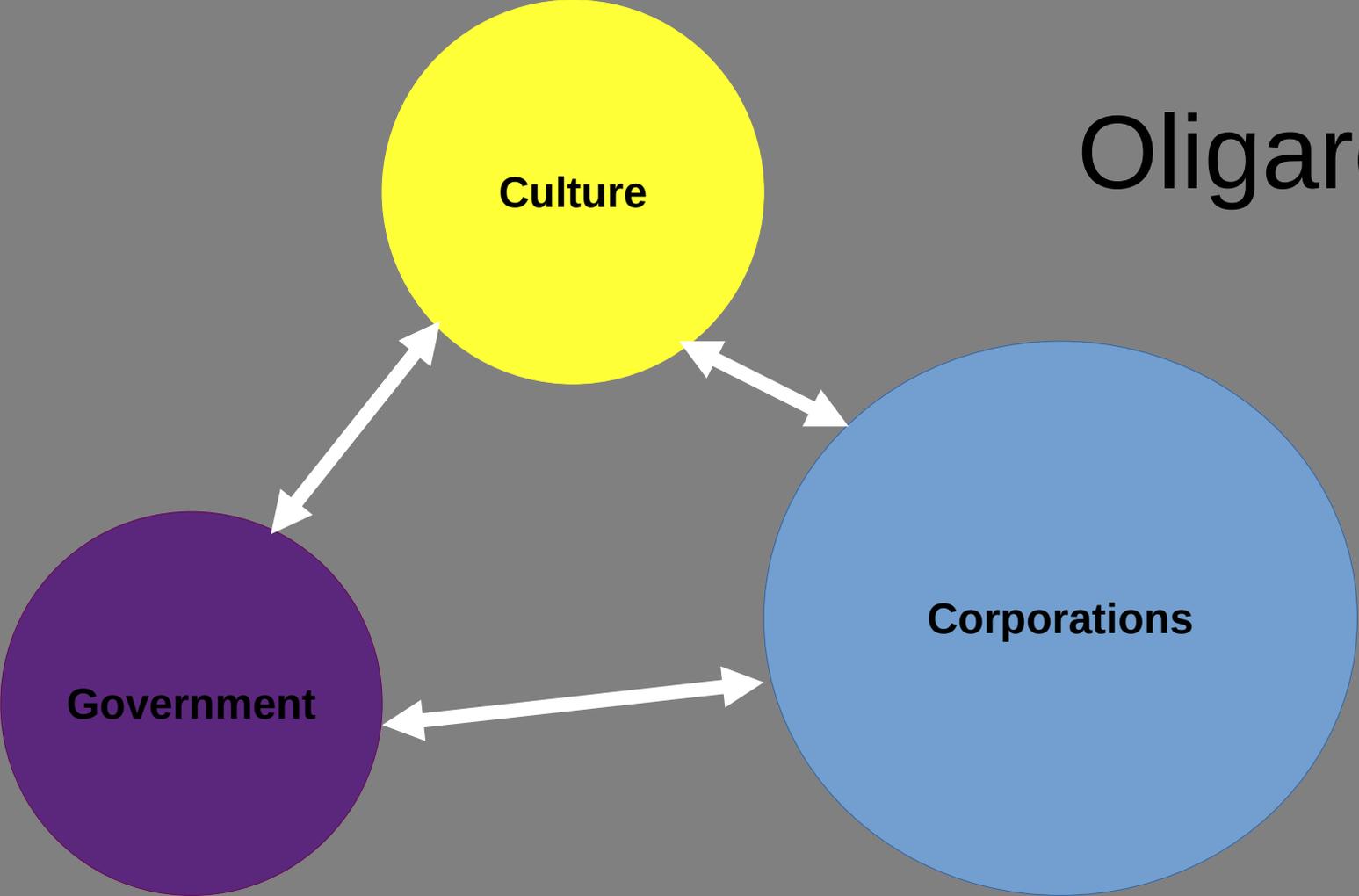
# Aristocratic



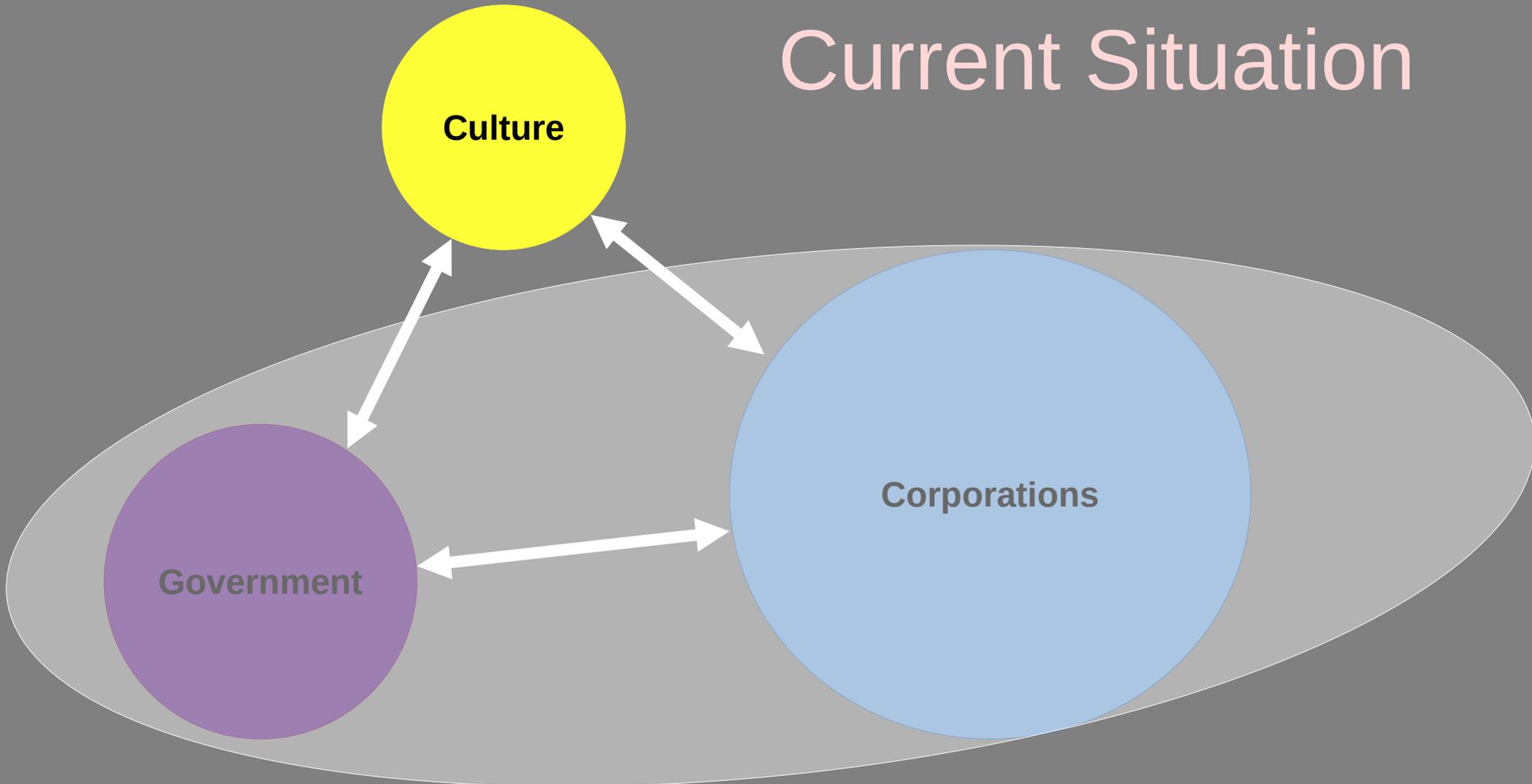
# Democratic



# Oligarchic



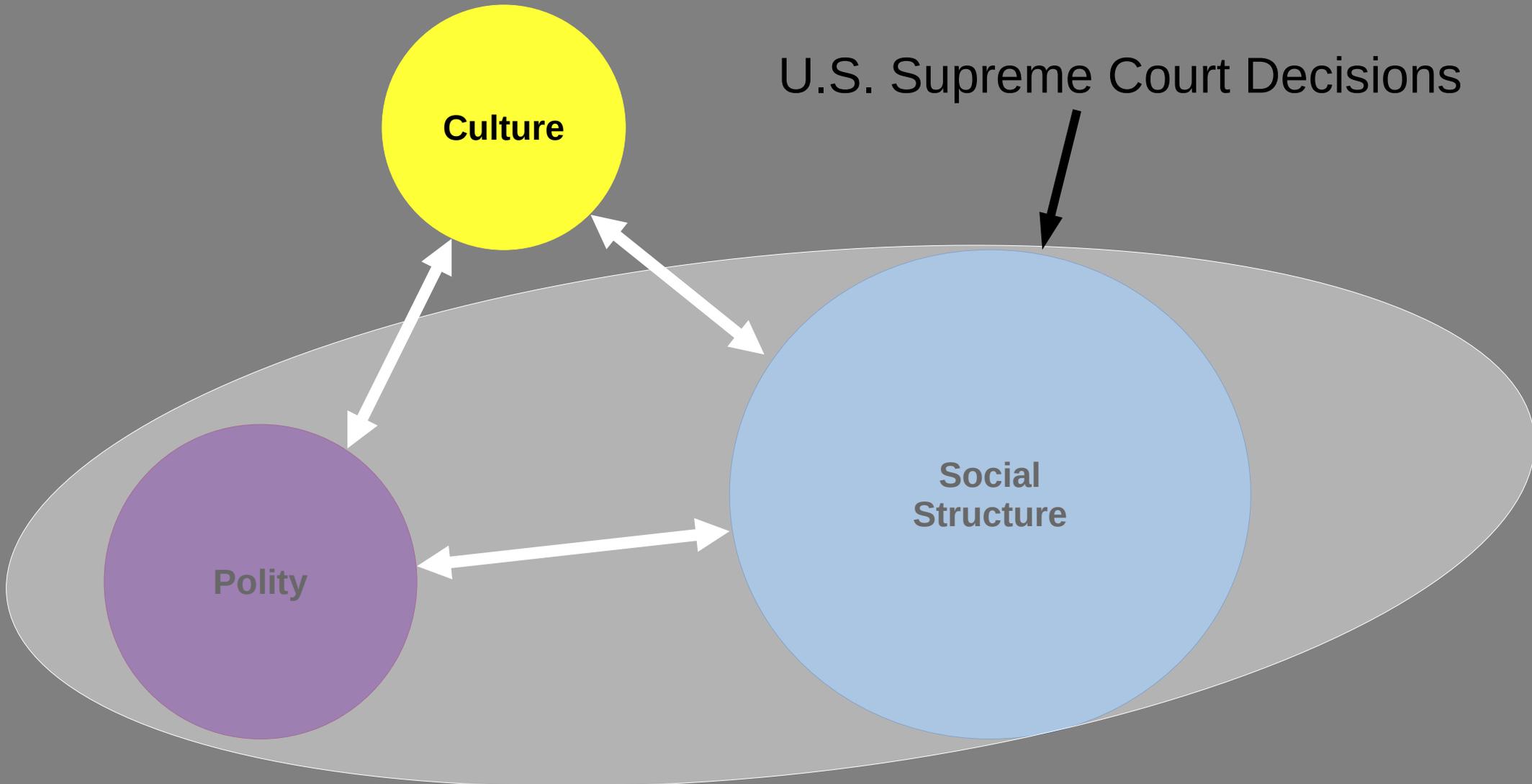
# Current Situation



**Culture**

**Government**

**Corporations**



**Culture**

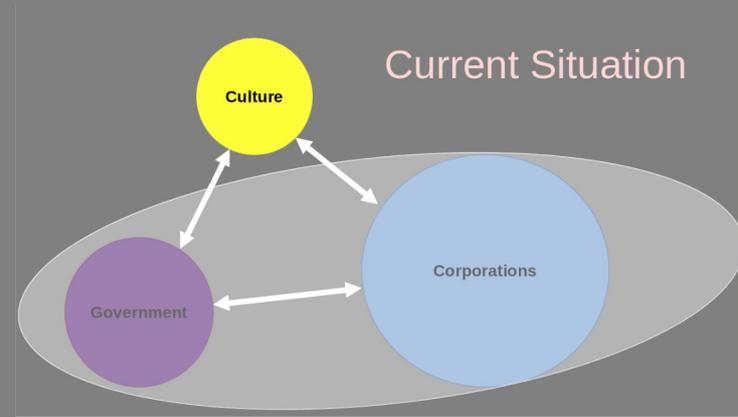
U.S. Supreme Court Decisions

**Polity**

**Social  
Structure**

# SCOTUS line of Caselaw

- *Dartmouth College v. Woodward* (1819)
- *Santa Clara Co. v. Southern Pacific R.R.* (1886)
- *Buckley v. Valeo* (1976)
- *First National Bank v. Bellotti* (1978)
- *Citizens United v. FEC* (2010)



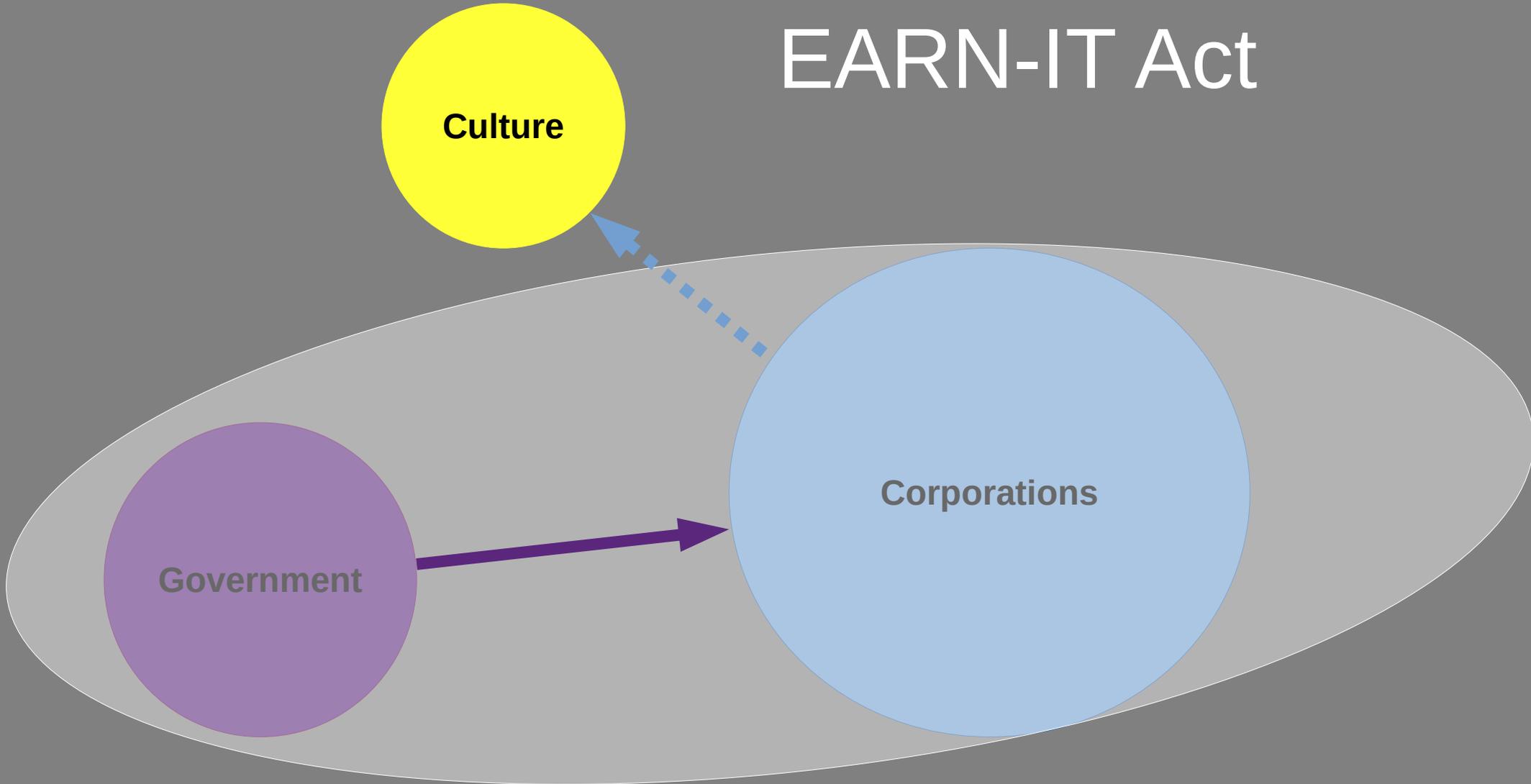
# **Putting the Framework in Practice**

# EARN-IT Act

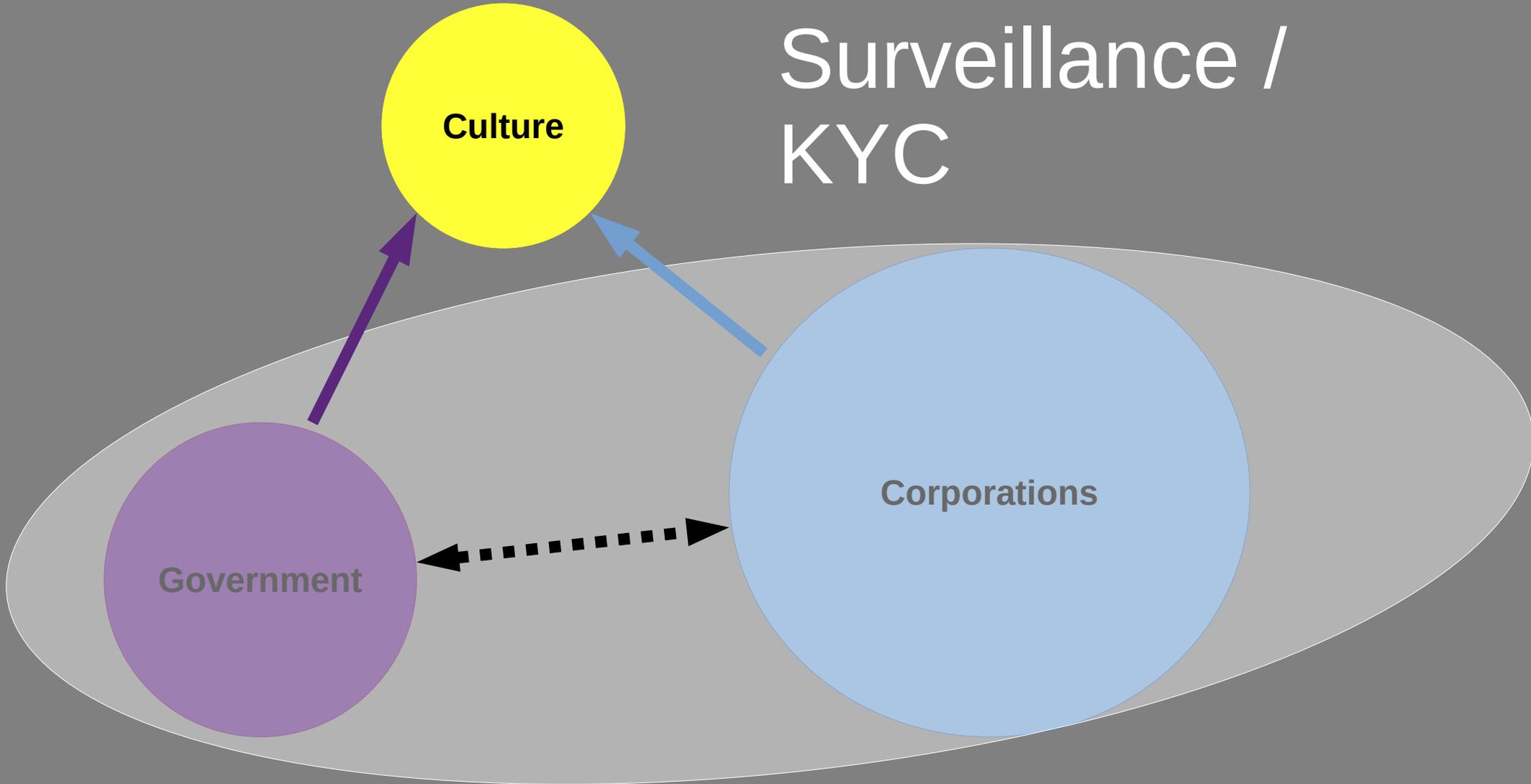
**Culture**

**Corporations**

**Government**



# Surveillance / KYC



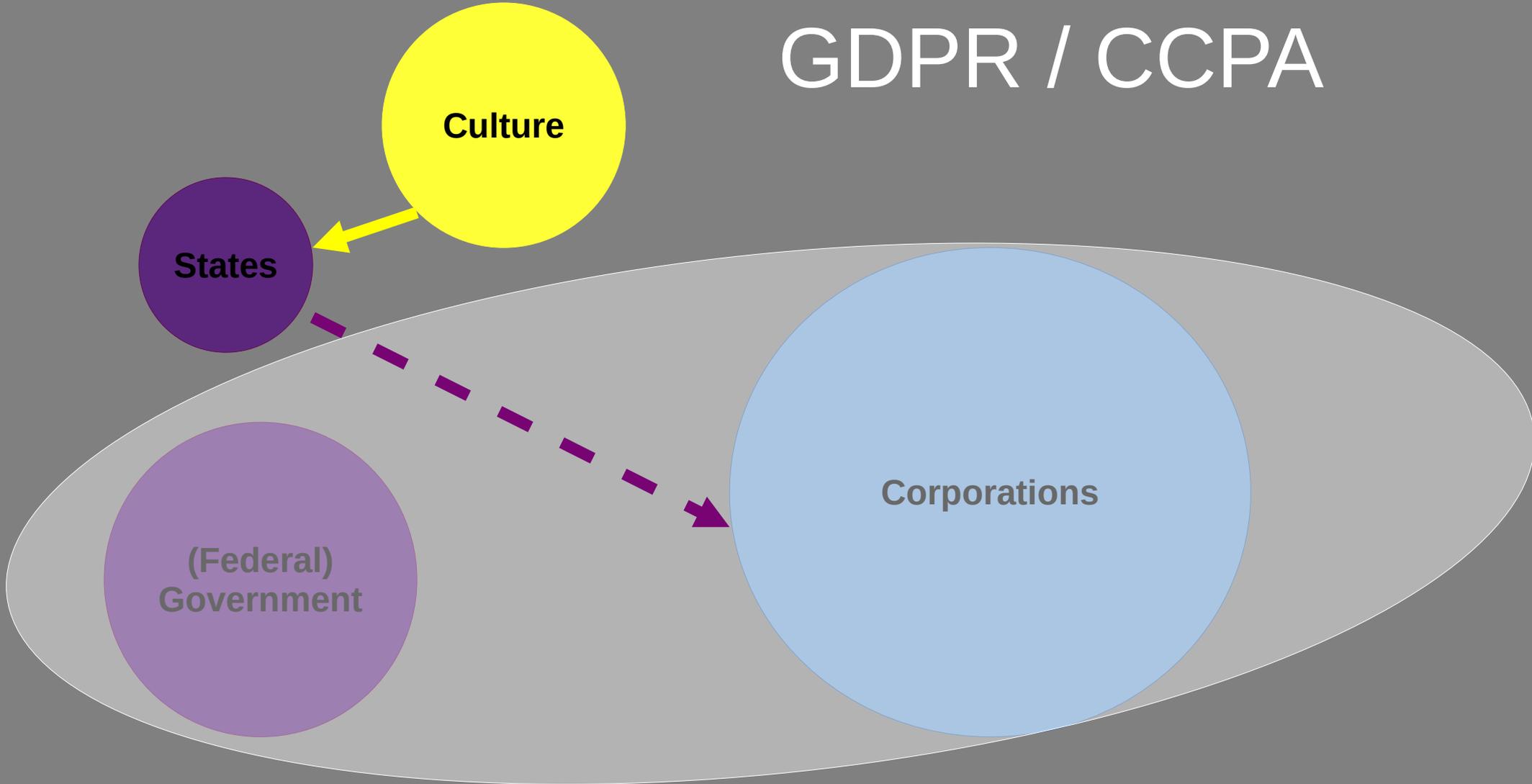
# GDPR / CCPA

**Culture**

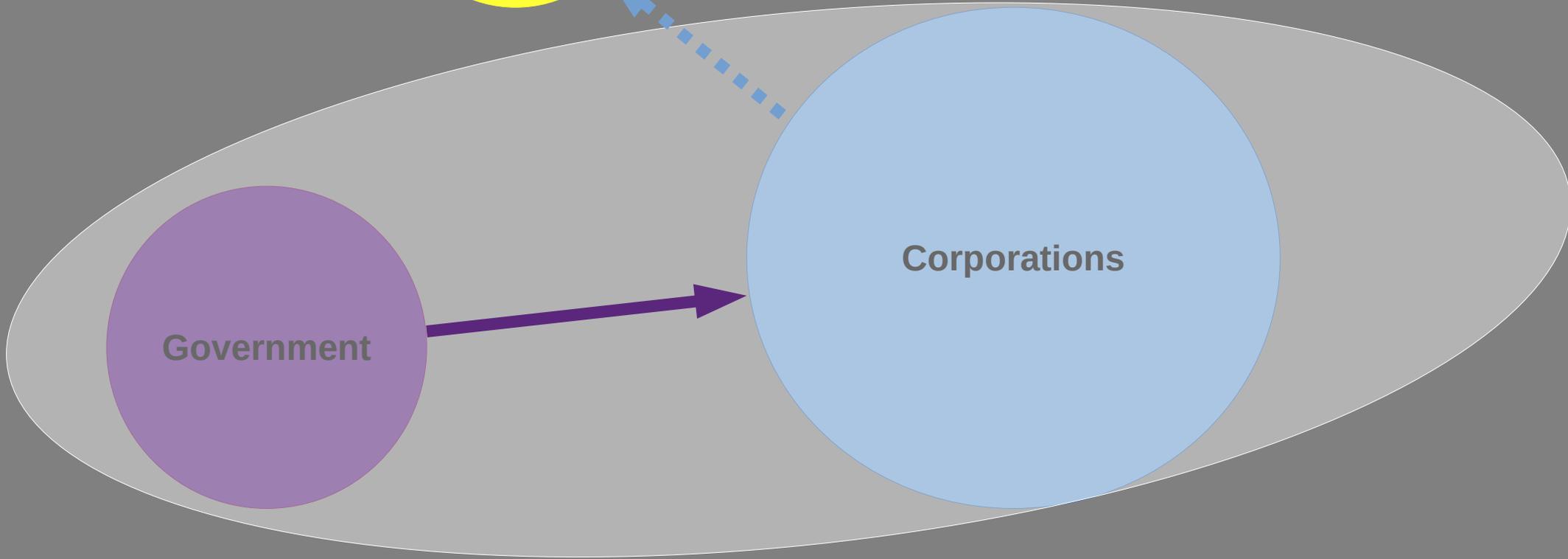
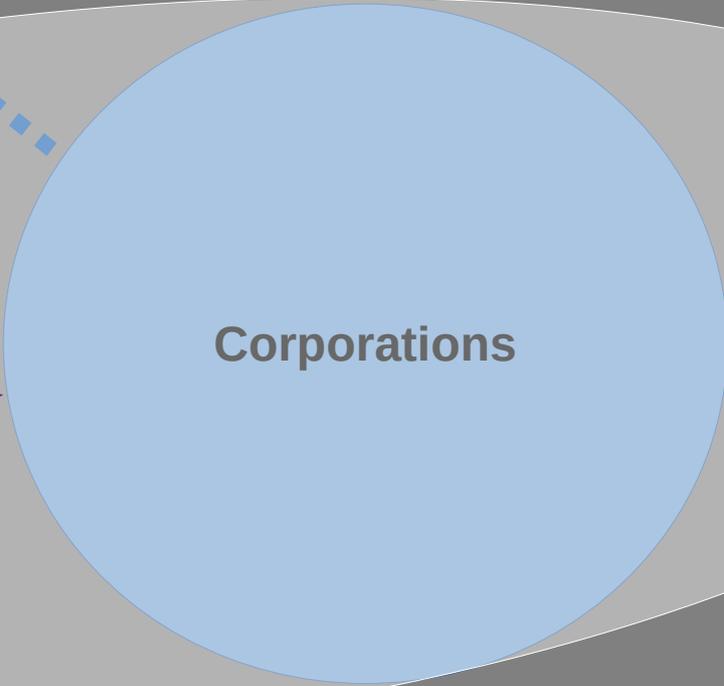
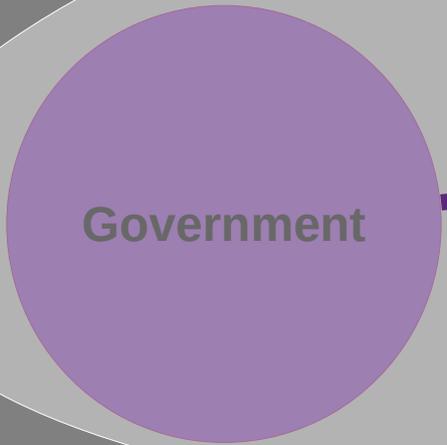
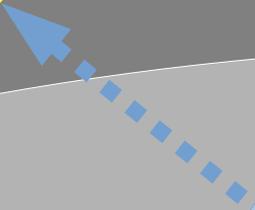
**States**

**(Federal)  
Government**

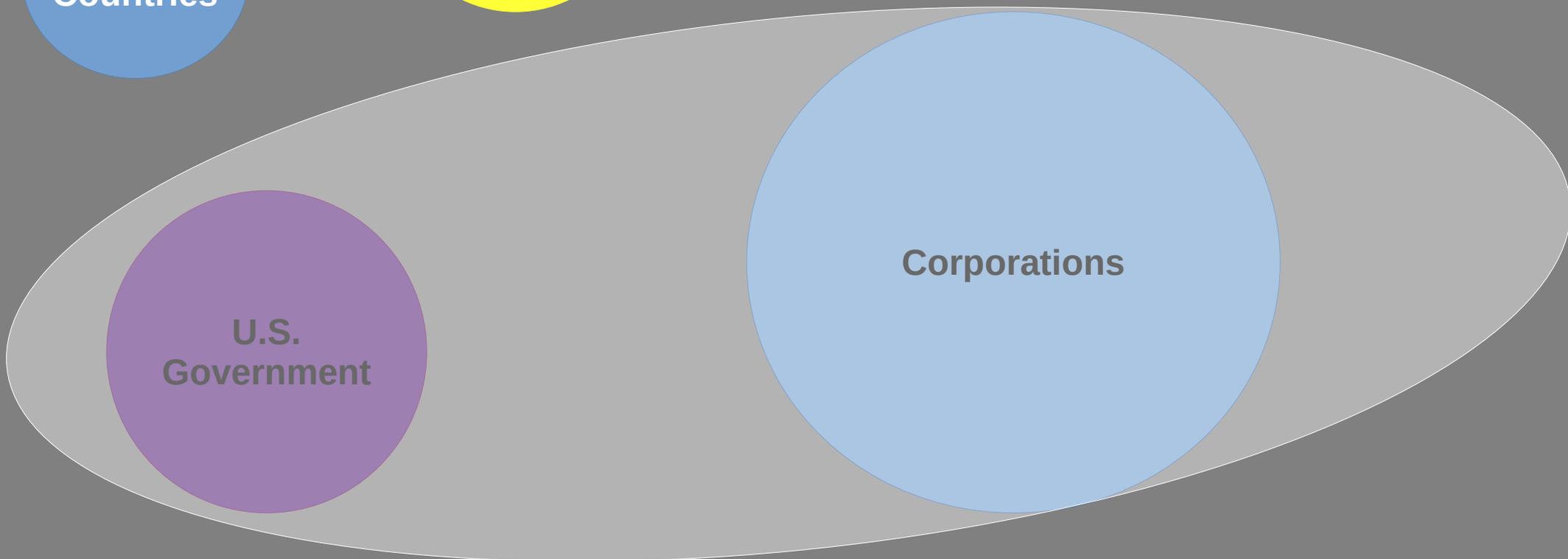
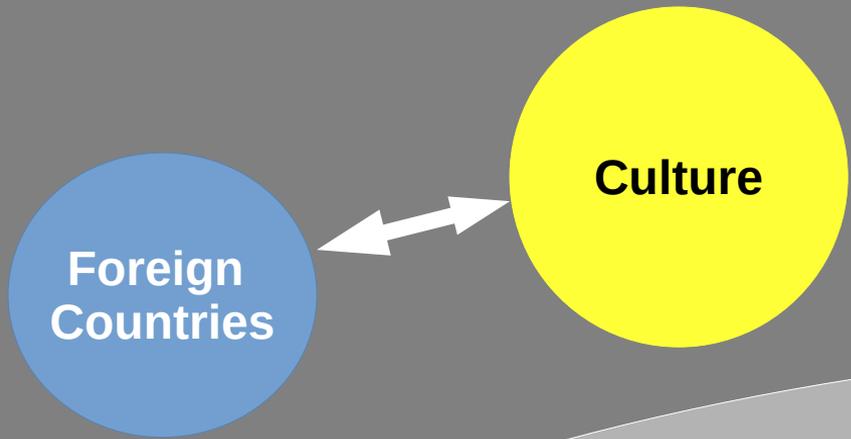
**Corporations**

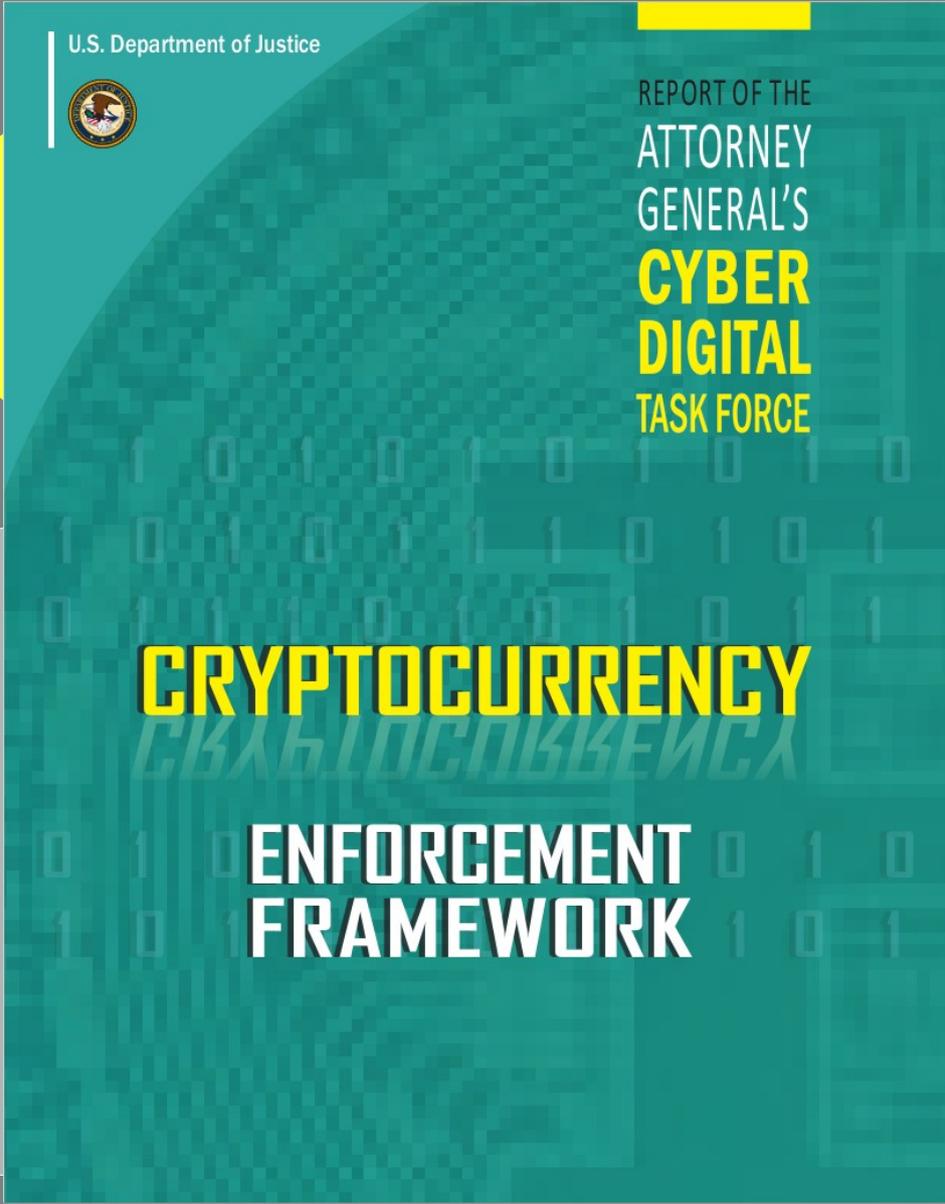
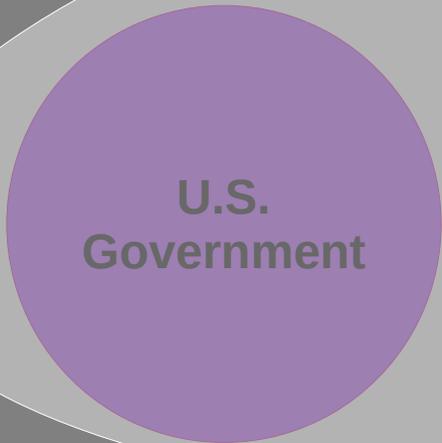


# Encryption / Key Escrow



# TikTok / WeChat

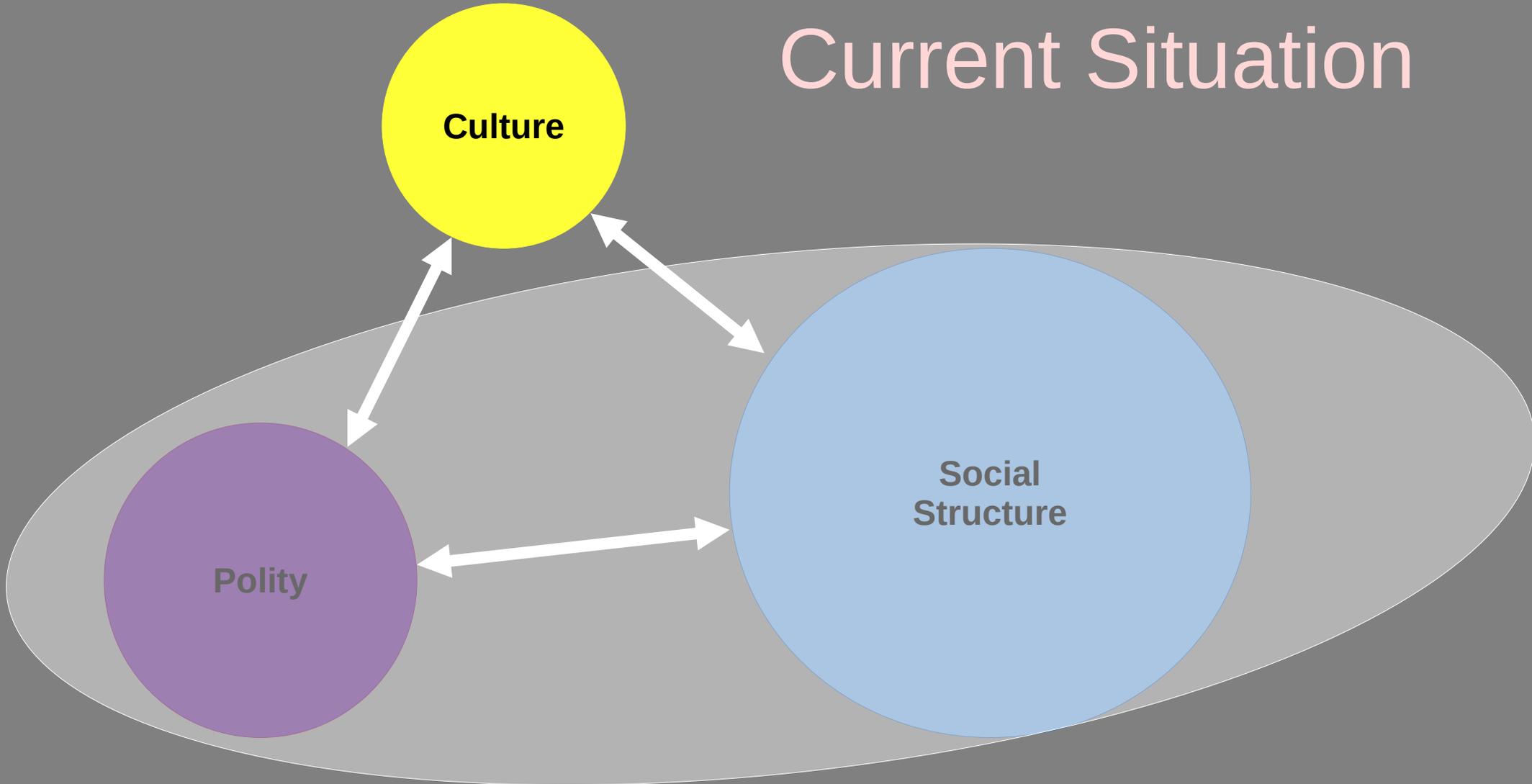




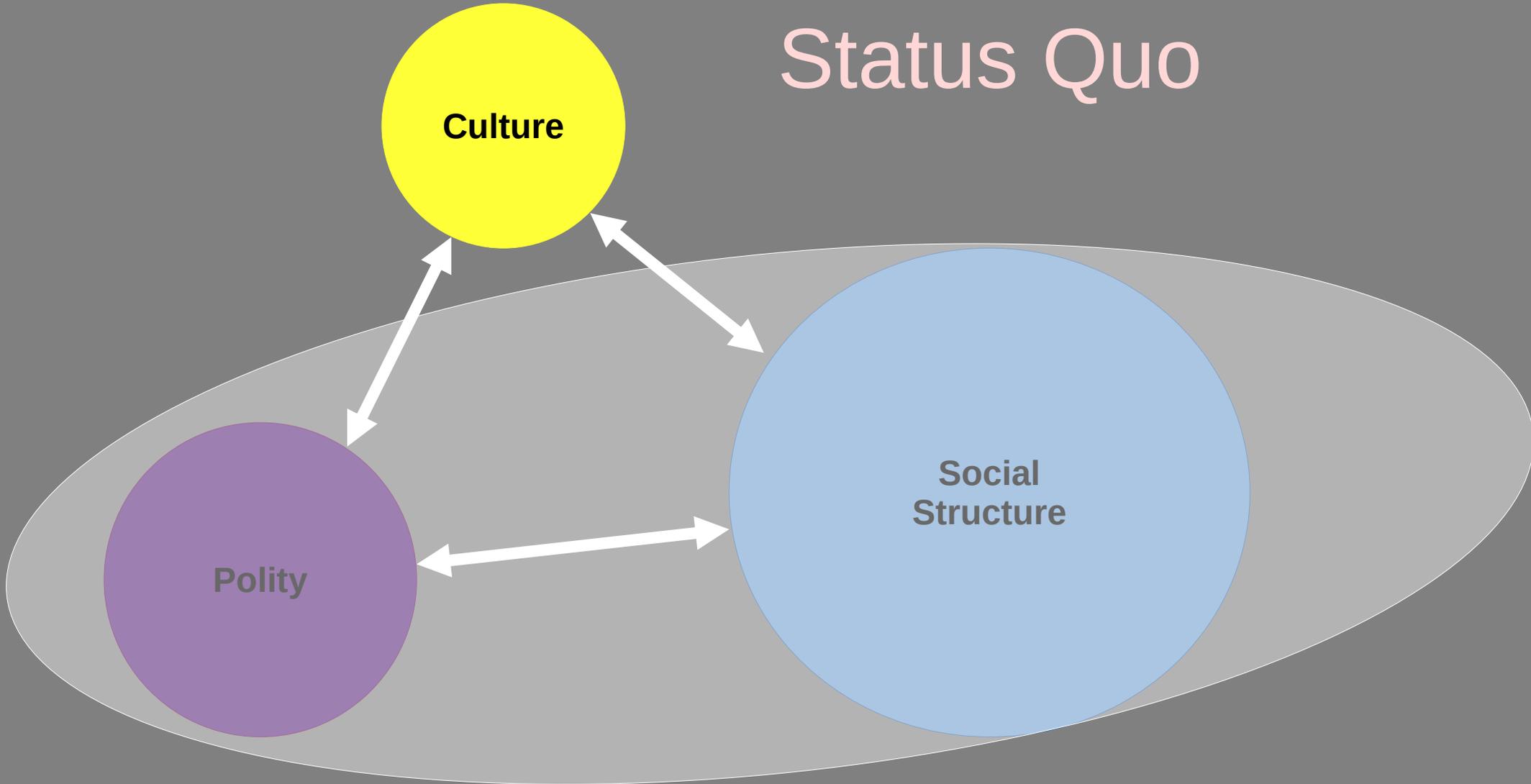
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# Likely Trends

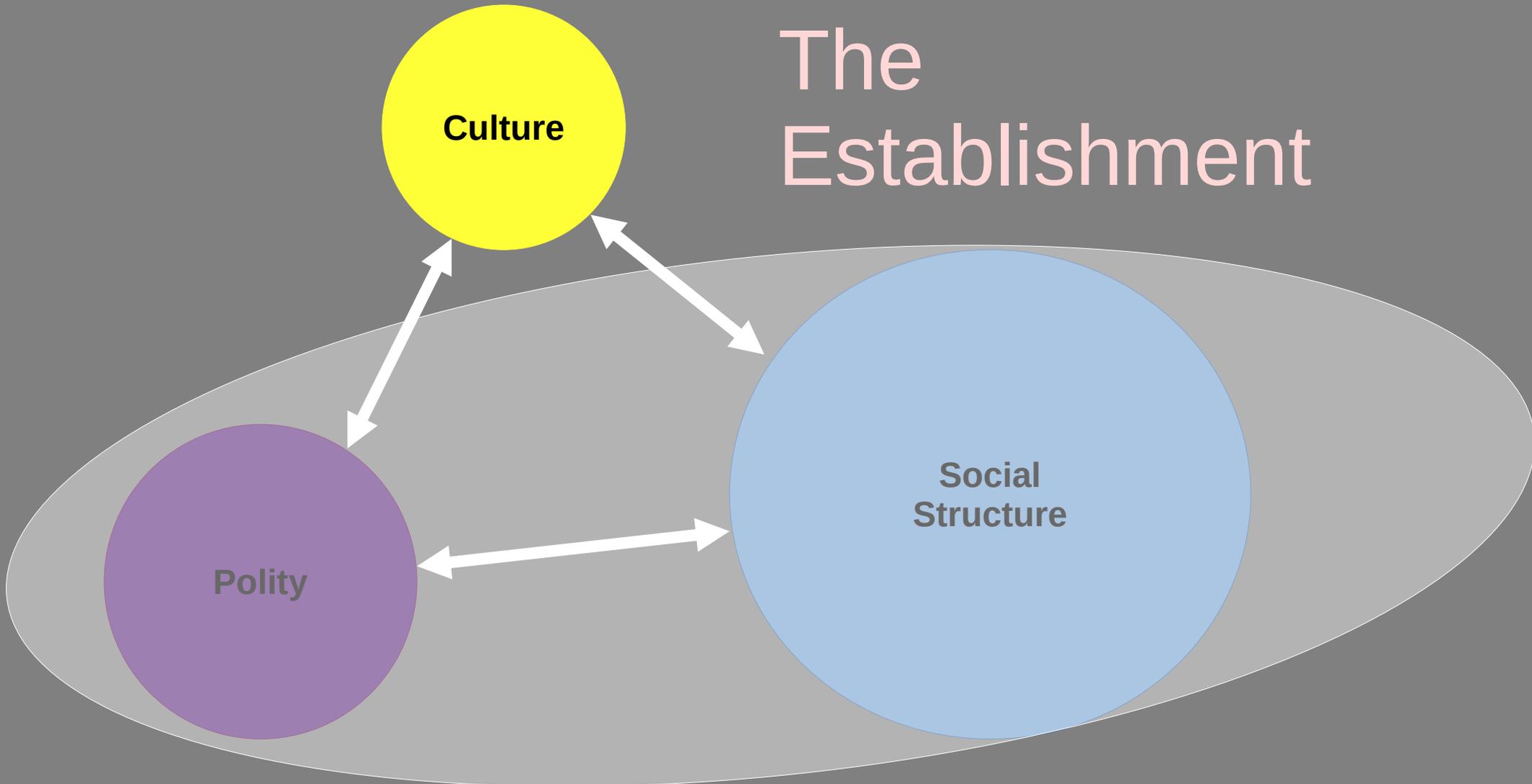
# Current Situation



# Status Quo



# The Establishment



# The Likely Trends

- The Oligarchs are in a commanding position
  - (Historically) Oligarchs will fight to maintain their position – **regardless of the cost, even if unsustainable**
  - The biggest asset that the Oligarchs have (for representation) are loopholes associated with *artificial persons*
    - Traditional Corporations
    - Artificial Intelligence in the form of Artificial Agents
  - Campaign Contributions (money as speech)
  - Revolving doors between government and corporations

# The Likely Trends

- What can the Culture do?
  - Organize!
    - For that, they need communications
    - Not Facebook or Twitter
      - They are owned and centralized
    - They need **Decentralized** communications (Blockchains / Matrix)
    - They will need **ENCRYPTION**
  - Amend the Constitution so that only humans are represented
    - Not corporations or AI

**Is there a way out?**

**Yes!**

**But it requires the Supreme Court**

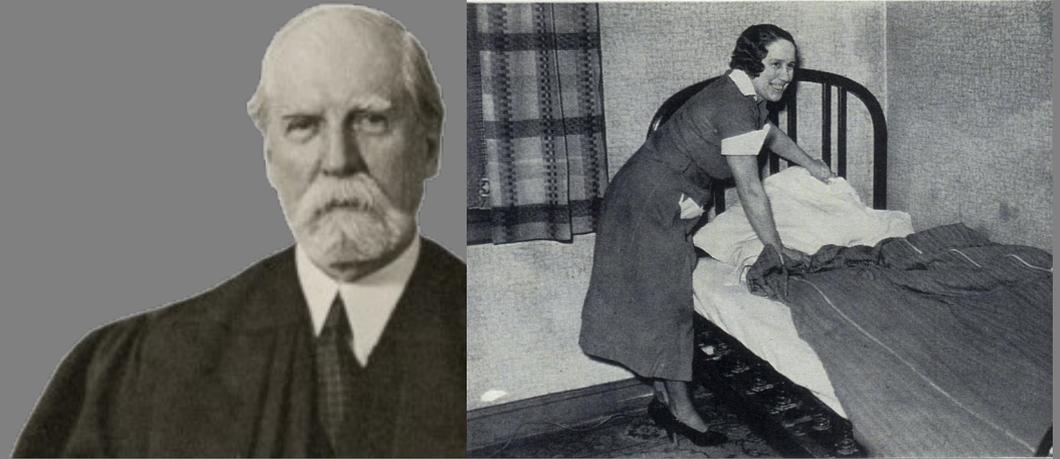
# The Supreme Court is Key

1857



No to  
solution

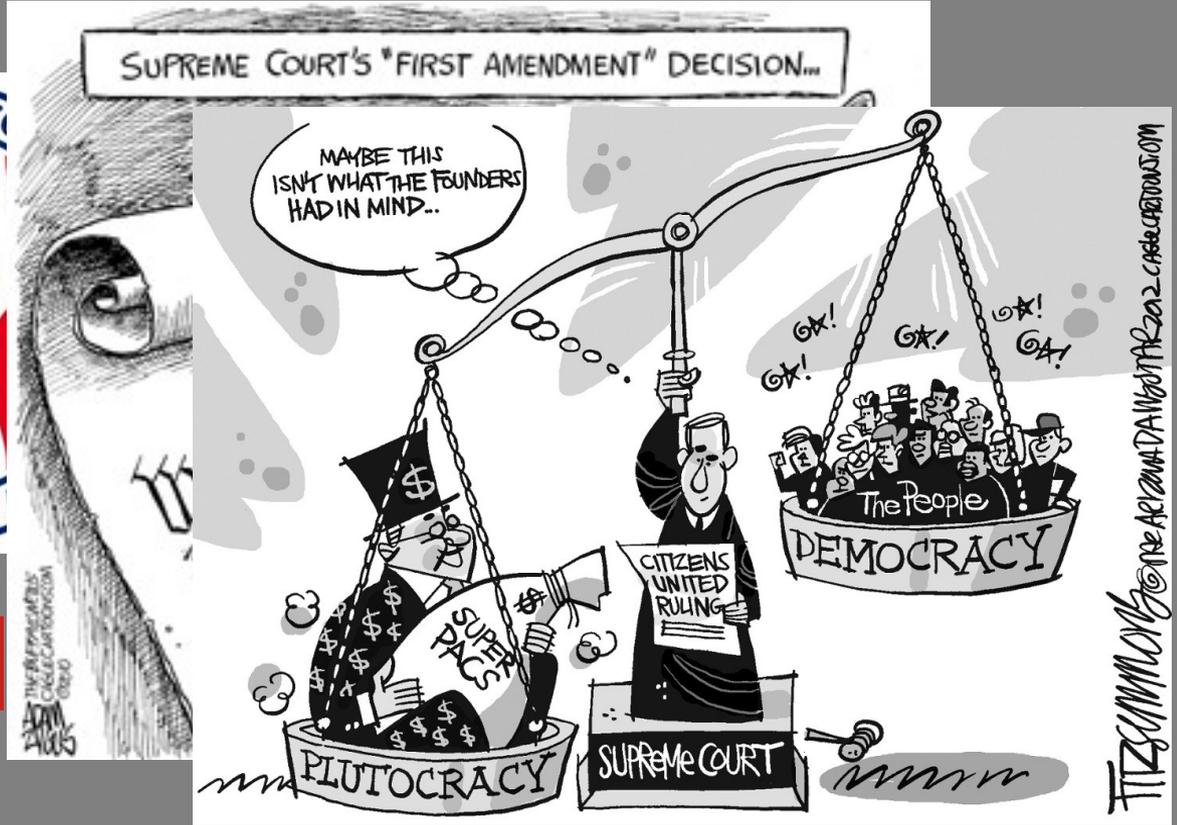
1937



Yes to political  
solution

# The Supreme Court is Key

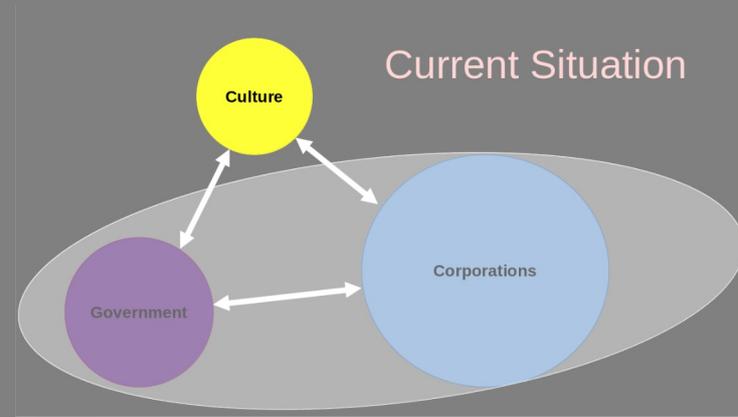
2010



No to political solution

# SCOTUS line of case law

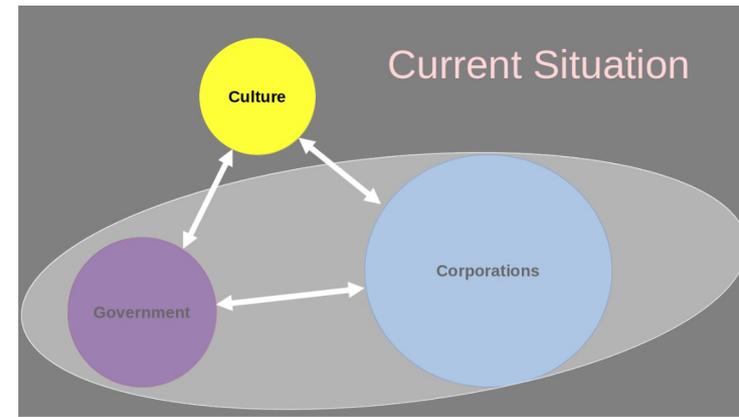
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**What does it all mean to me?**

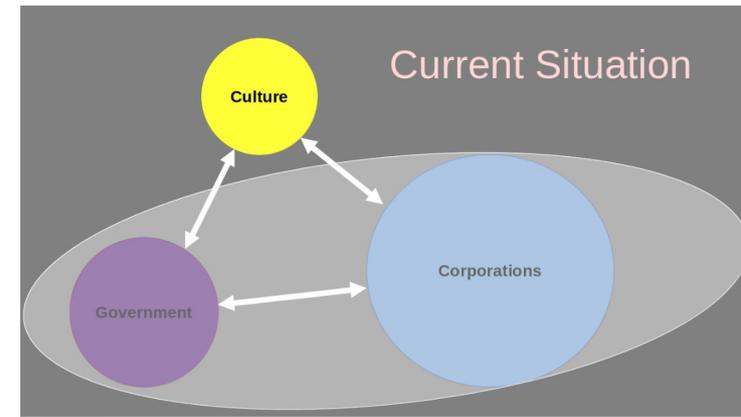
# As a Privacy/Security Professional

- Data is going to be (more) *politicized*
- Data is going to be (more) *weaponized*
- Thus, Data is going to be (more) *regulated*



# As a Privacy/Security Professional

- **Software** is going to be (more) *politicized*
- **Software** is going to be (more) *weaponized*
- Thus, **Software** is going to be (more) *regulated*



# As a Privacy/Security Professional

- A completely peaceful solution is unlikely
- The Oligarchs may (via your company) try to force you to do some things that will hurt...
  - Other people
  - Your government
- Decide soon how you are going to handle that

**Questions?**

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