

The background features a complex, abstract graphic on the right side. It consists of numerous concentric circles and dots in shades of blue and green, creating a sense of depth and data visualization. Overlaid on this are two semi-transparent circles, one red and one green, with lines connecting various points within and between them, suggesting a network or flow of information.

# Department of Justice (DOJ) Big Data Analysis

AN ANALYSIS INTO A DECADE OF AMERICAN CRIME

*November 4, 2020*

**VALUENEX**



# DOJ Big Data

The analysis was performed using VALUENEX panoramic view technology, the VALUENEX Radar. The data consisted of 13,087 Department of Justice (DOJ) press releases from 2009 to 2018. Each press release contains the following fields:


- Title: title of release
- Contents: text of release
- Date: posted date
- Topics: array of topic tags (if any provided)
- Components: array of agencies & departments (if any provided)


The dataset comes from Kaggle and can be accessed [here](#).

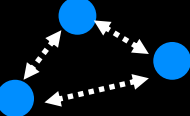



# Understanding the Radar

Gain actionable insight for strategy-making by analyzing output (distance, density, white space, distribution, and more) of the radar chart.

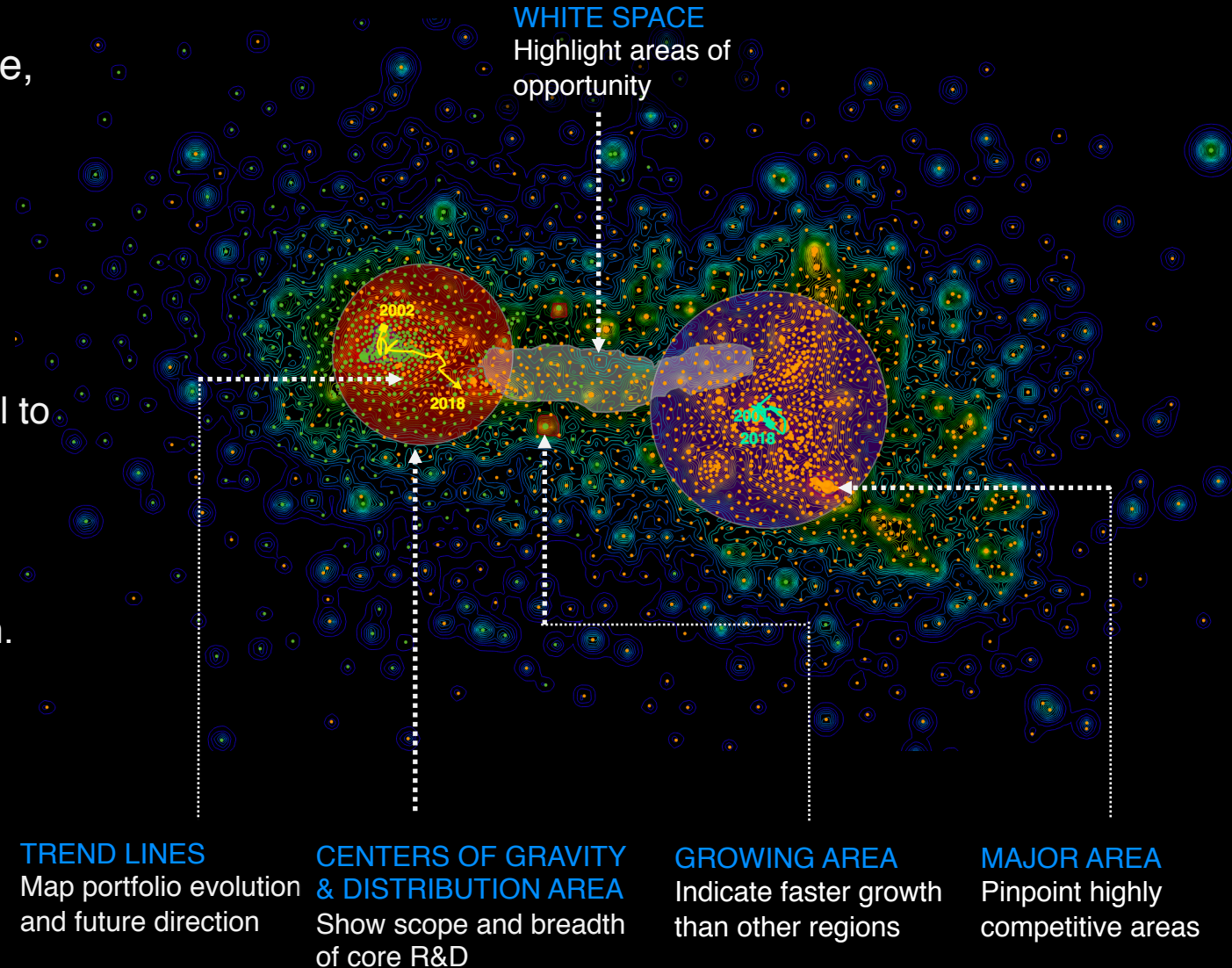
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Each circle is called a **cluster**. They contain similar documents.
- 

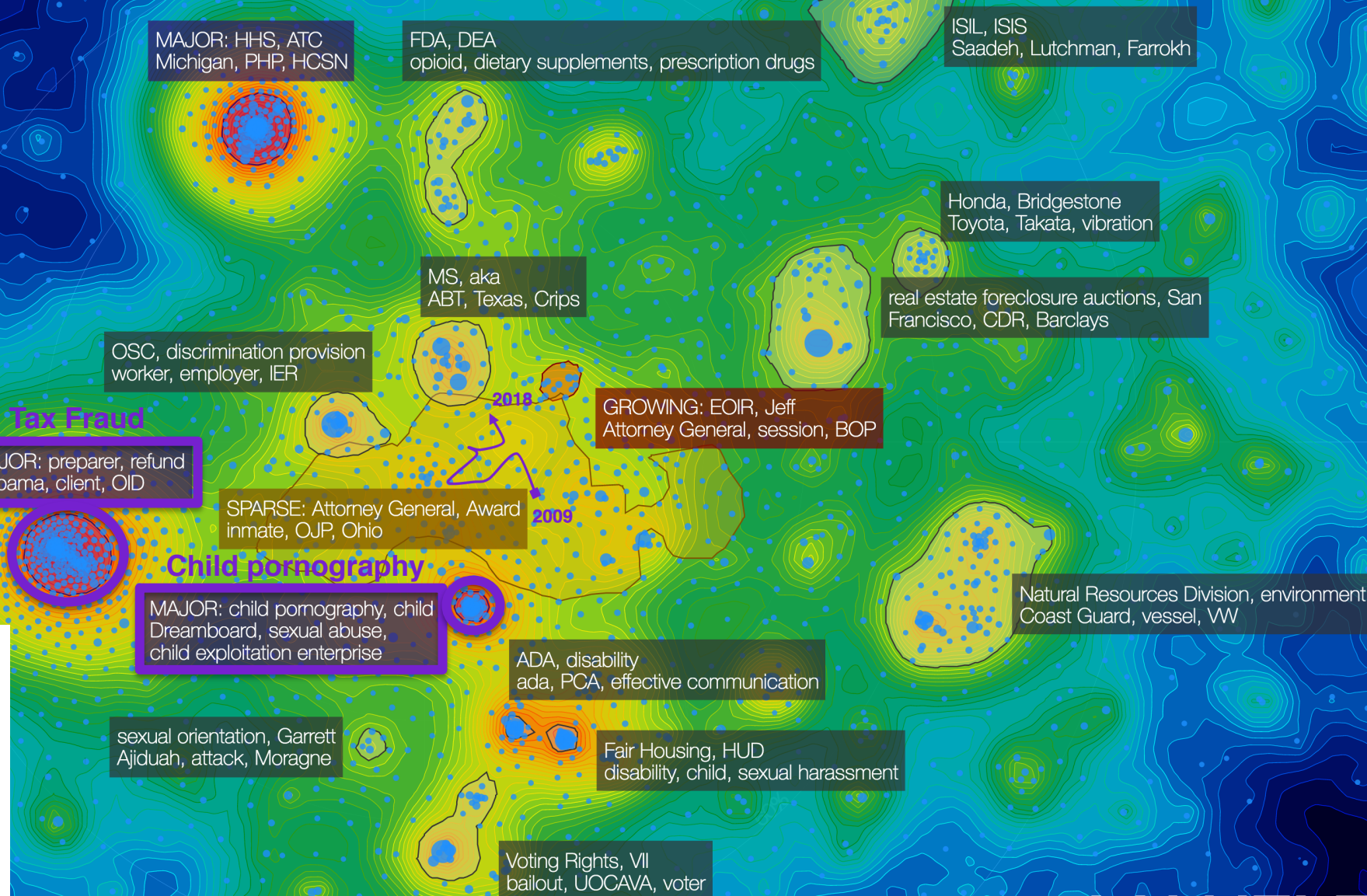
The **size** of each cluster is proportional to the number of documents in it.
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The **distance** between clusters indicates the similarities between them.
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The axes have no particular meaning.



From the radar, we observe areas that depict releases related to **tax fraud** (through keywords such as preparer, refund) all the way to issues such as those in **child pornography**.



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# Understanding Radar Trends

- **FEDERAL POLICY**
  - Determine if crime trends match resources and policy goals, and adjust as appropriate
- **STATE AND LOCAL LAW ENFORCEMENT**
  - State and local crime trends tend to track national crime trends, so resources can be appropriately allocated, and mitigation programs can be implemented
- **LAW ENFORCEMENT**
  - Plan for increased enforcement in major areas, as well as determine if there are areas that deserve more attention
- **WHITE COLLAR CRIMINAL DEFENSE**
  - Prepare for increased defense work in correct areas, including training and personnel



# Implications of Analysis

- MAJOR AREAS

- Health Care Fraud
- Child Exploitation and Abuse
- Tax Fraud (Alabama?)

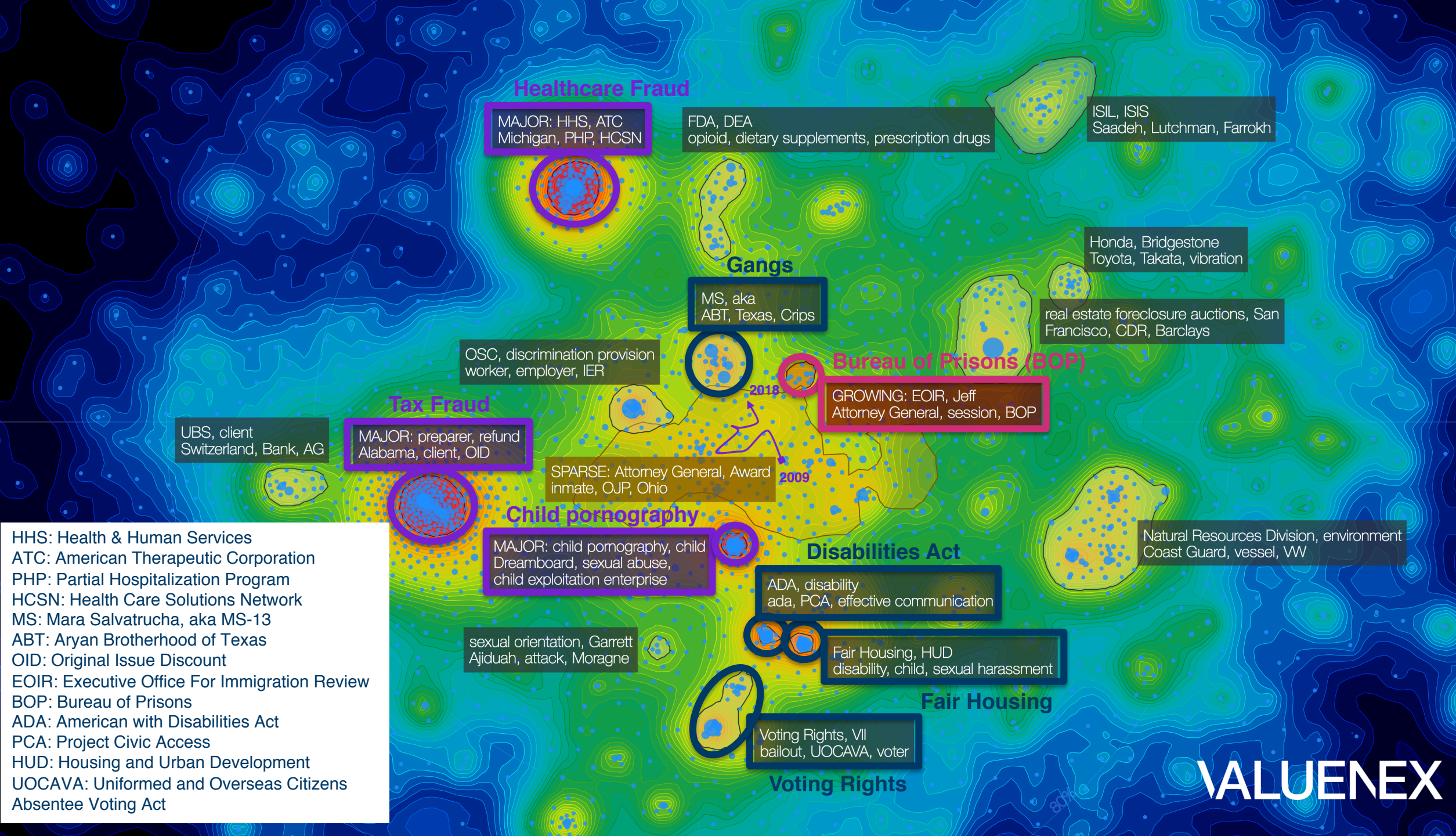
- GROWING AREAS

- Bureau of Prisons

- OTHER AREAS OF INTEREST

- Voting Rights, Americans Disabilities Act, Fair Housing





HHS: Health & Human Services  
ATC: American Therapeutic Corporation  
PHP: Partial Hospitalization Program  
HCSN: Health Care Solutions Network  
MS: Mara Salvatrucha, aka MS-13  
ABT: Aryan Brotherhood of Texas  
OID: Original Issue Discount  
EOIR: Executive Office For Immigration Review  
BOP: Bureau of Prisons  
ADA: American with Disabilities Act  
PCA: Project Civic Access  
HUD: Housing and Urban Development  
UOCAVA: Uniformed and Overseas Citizens  
Absentee Voting Act



# VALUENEX

FOR MORE INFORMATION:

[www.valuenex.com](http://www.valuenex.com)  
[customer@valuenex.com](mailto:customer@valuenex.com)