

InnovationPulse™

Santa Barbara, California

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2018 Conference on IP Statistics for Decision Makers

First IPSDM Big Data Analytics Challenge

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Background

- Core team
 - **Luciano Kay**
 - InnovationPulse
 - Institute for Social, Behavioral and Economic Research, University of California Santa Barbara (UCSB)
 - **Carlos Mozzati**
 - InnovationPulse
 - Secretaria de Tecnologias para la Gestion, MGyRE, Gobierno de la Provincia de Santa Fe, Argentina
- Based in Santa Barbara, California

The problem

- Knowing **who** is doing **what** and **where** in terms of innovation activity is still too difficult or expensive for most organizations.
- Examples:
 - Early stage startup identification
 - Emerging trend anticipation to maximize equipment ROI
 - Strategic decision based on up-to-date landscape maps (e.g. main players, technologies)

Our solution

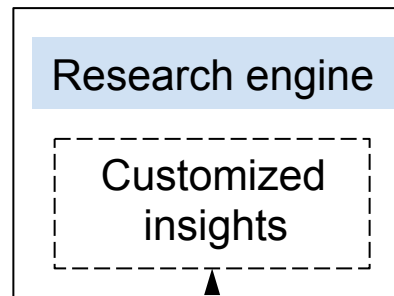
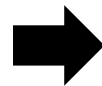
- A research engine that...
 - ...gathers and pre-processes data
 - ...responds to new data with new analysis in real time
 - ...makes resulting analysis available to everyone
- A different approach, focus
 - Historical vs. Current activity
 - Data sets vs. Data streams
 - Human research vs. Human-bot interaction
- Current status
 - Prototype publicly available at <https://www.innovationpulse.com>

What we've built so far

Prototype data

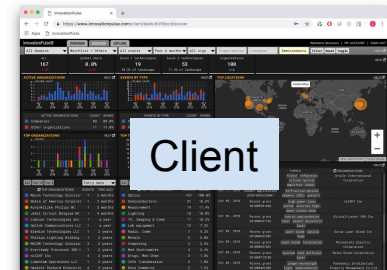
- USPTO patent data
- Wikipedia data
- APIs
- Training and Seed data

Innovation
Events
•
Status
Updates



Analysis

- Technologies
- Entities, portfolios, topics
- New entrants
- Landscape
- Timelines, growth
- Other



Technologies

- AWS
- Machine learning
- Crowdsourcing
- Domain, technology definitions

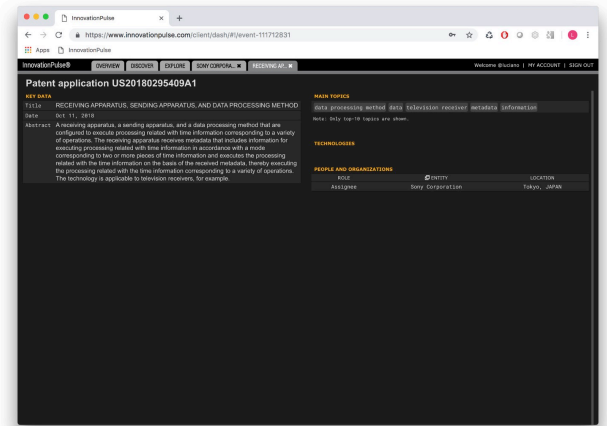
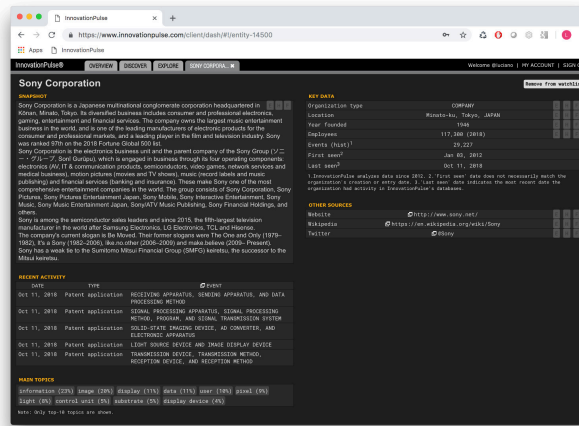
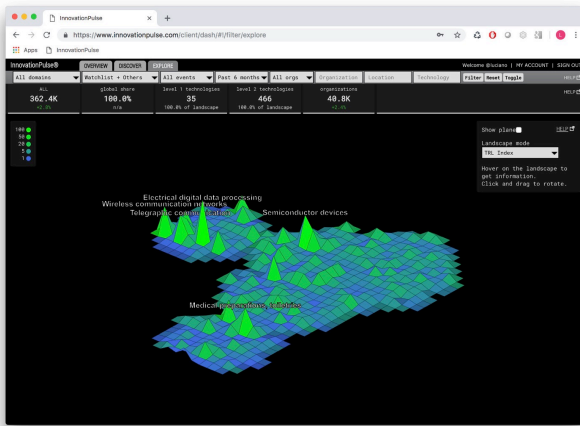
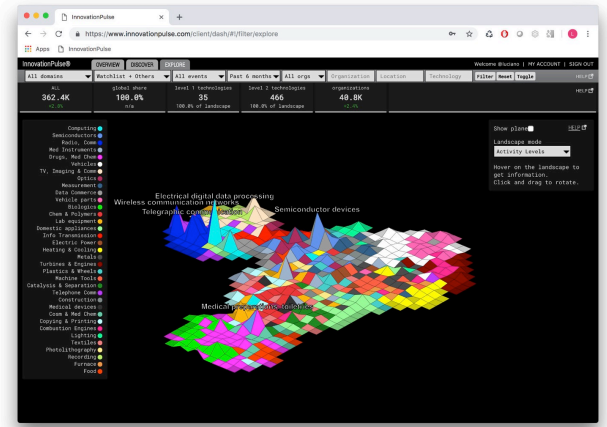
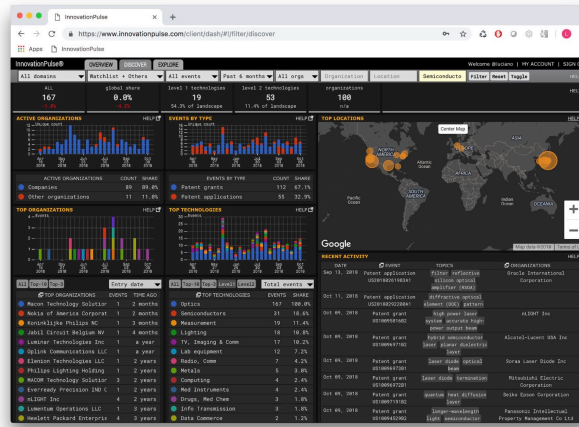
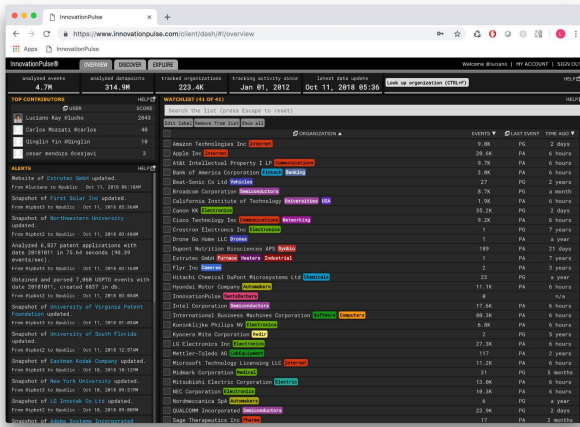
Components

- Analysis modules
- Task managers
- Other

Dashboards

- Overview
- Discover
- Explore

How does it look like?



Next steps

- Technology
 - Data source expansion
 - Along the innovation pathway
 - Across countries, industry sectors
 - Increasing depth, level of detail
 - Software development
 - Automated insights
 - Events classification
- Business
 - Entered Y Combinator's Startup School (Silicon Valley)
 - Started working more closely with select users
 - Contact us: luciano@innovationpulse.com