Your AI Research Assistant
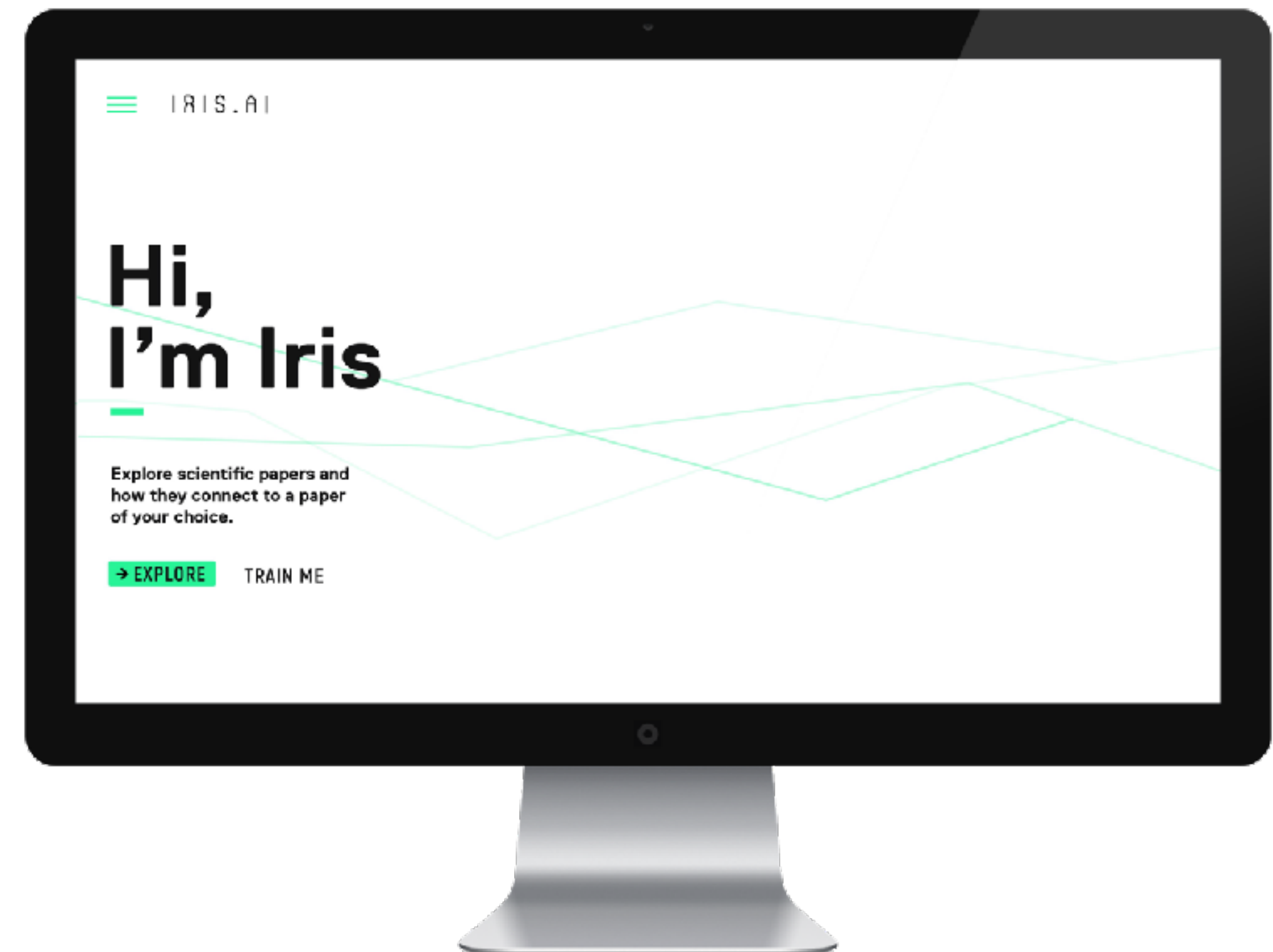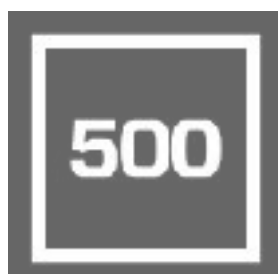
(Who will grow up to be the world's first AI Researcher)

FAST COMPANY

2017 Top 10
Most Innovative Company
in Artificial Intelligence

TechCrunch DISRUPT

2016
London
Startup Battlefield Contestant

500

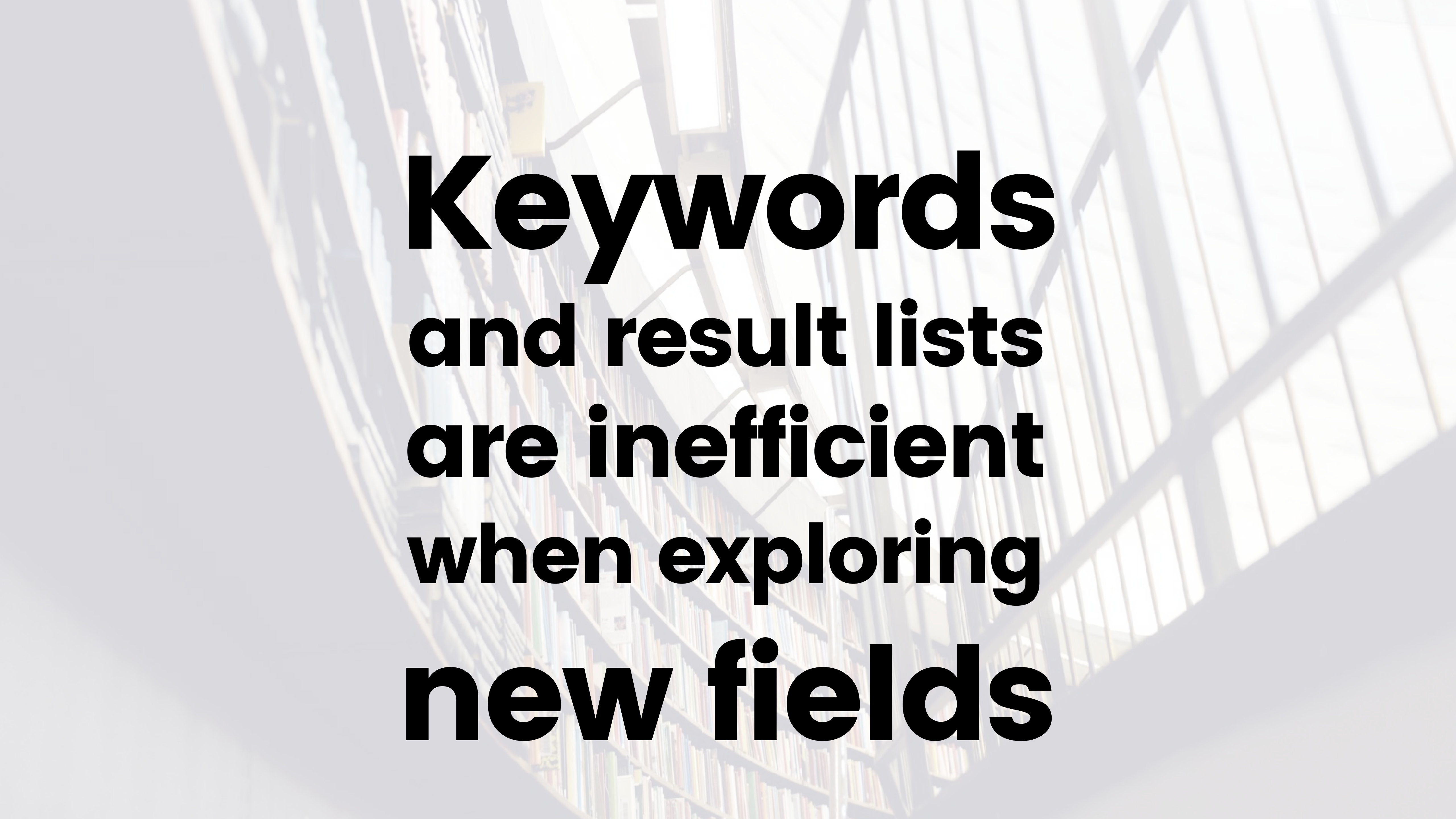FOUNDERS FACTORY

Singularity UNIVERSITY

IRIS.AI

Hi,
I'm Iris

Explore scientific papers and
how they connect to a paper
of your choice.

→ EXPLORE   TRAIN ME

3000+
research papers
are published daily

Keywords

and result lists are inefficient when exploring new fields

R&D departments & research institutes

waste weeks

on what could be done in hours

Iris AI 2.0 can read scientific text

IRIS.AI

1 You give Iris AI a **scientific text** over 500 words

2 She extracts the key **concepts**, places them in a **vector** space, infuses them with **contextual synonyms** and models the **topic clusters**.
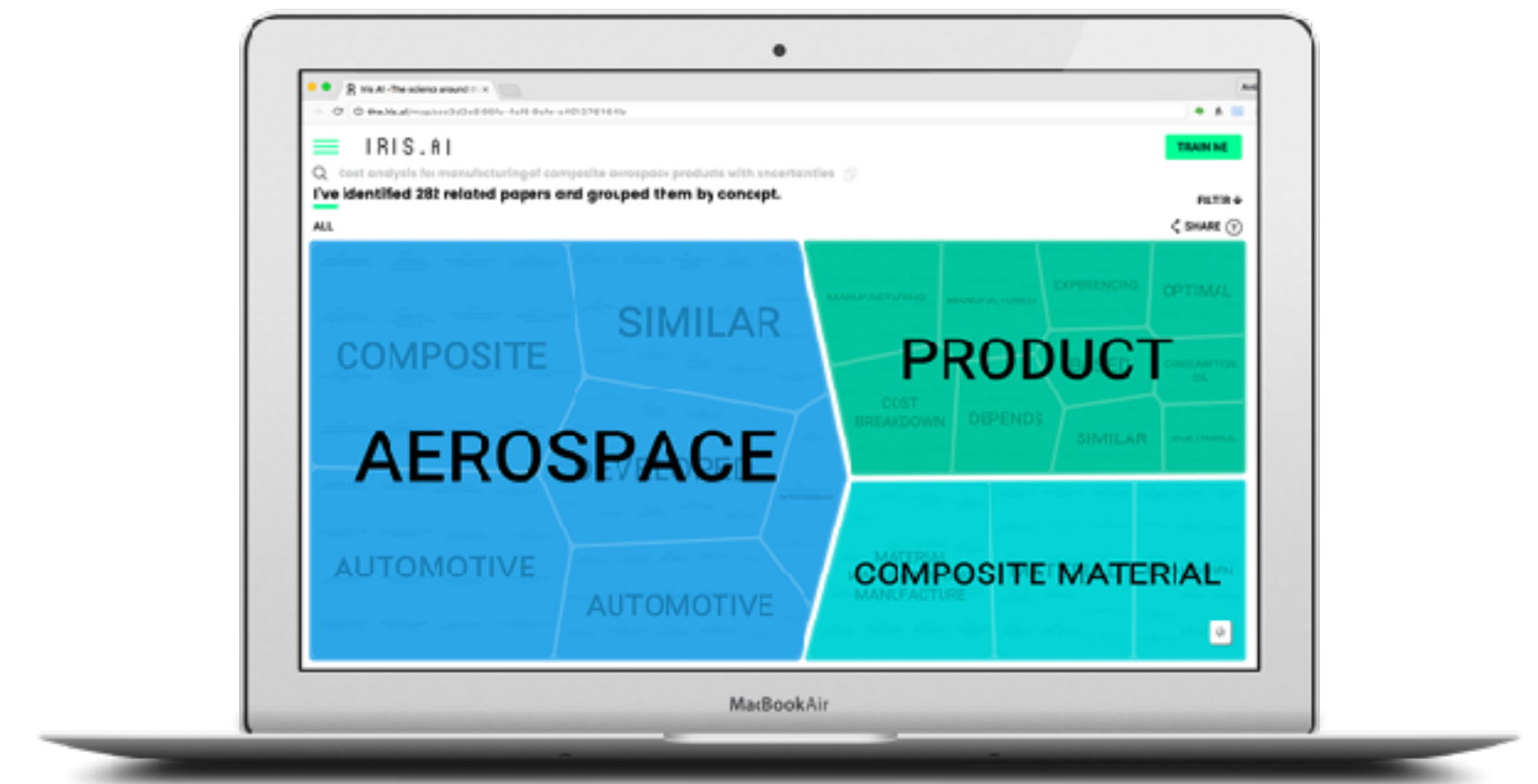
3 These topic clusters are used to create a **fingerprint** of the document

4 The document fingerprint is used to **identify contextually related texts**.

5 The topics and the correlating texts found can be **visually navigated** by the end user – or connected to via an **API**.

TRY THE FREE VERSION

OF OPEN ACCESS PAPERS

Iris 2.0 is only the beginning

IRIS.AI

2017
Context exploration

Allows you to map out a research landscape.

2020
Proactive Assistant
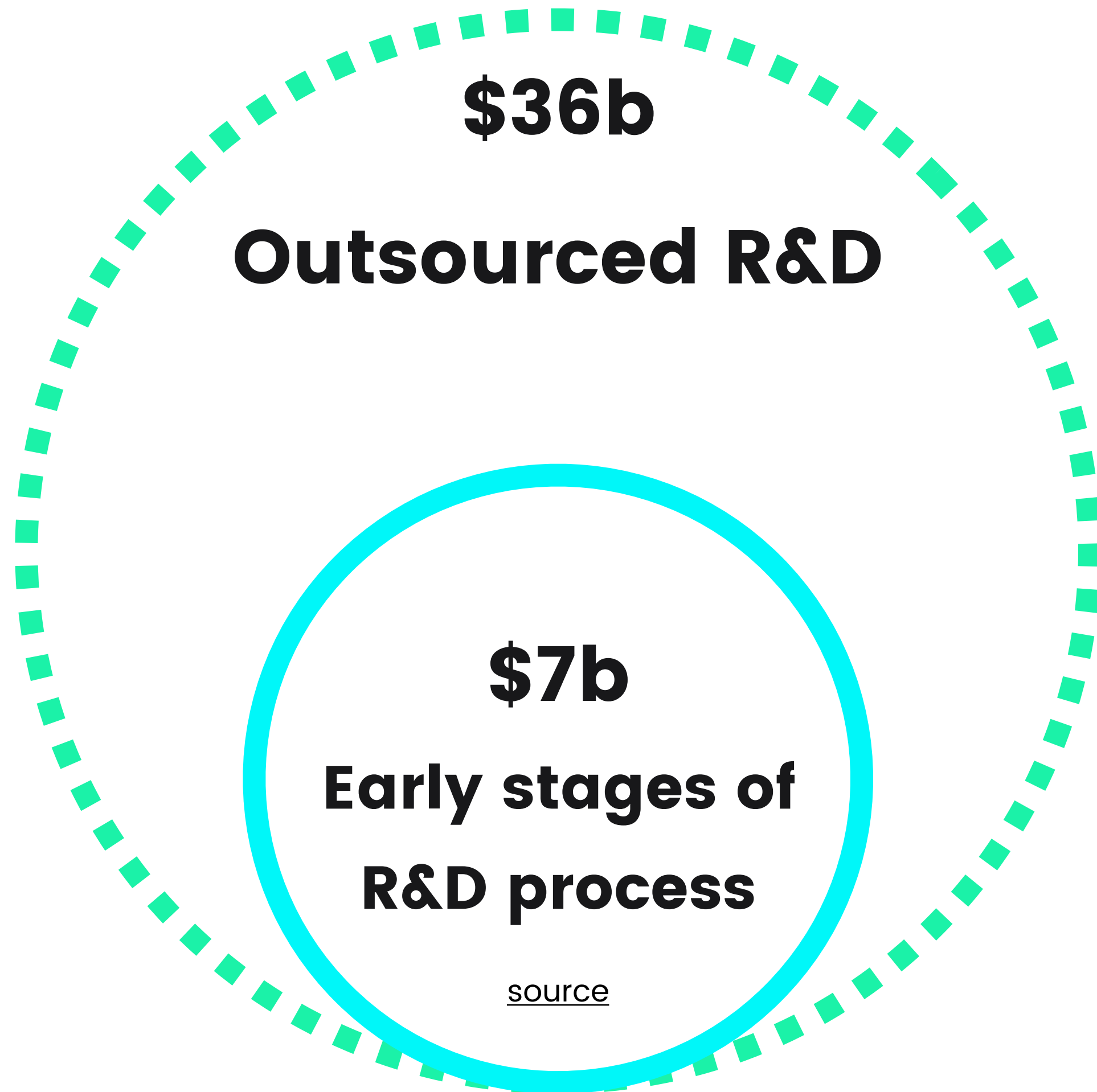
Suggests relevant content and solutions and summarizes them for you.

2025
AI Scientist

Reads a body of content, creates a hypothesis, runs an experiment and publishes the results.

Outsourced R&D market

IRIS.AI

$36b

Outsourced R&D

$7b

Early stages of
R&D process

source

11 million
R&D personnel
worldwide

source

... and blue ocean opportunities long term

Market trends

IRIS.AI

R&D under pressure

Open innovation, requirements for digitization, automation moving on from sales/ marketing: all points to a radical shift in processes and tools for R&D.

Opening Science

General movement towards Open Access and Open Science; the European Union among those putting pressure on publicly funded researchers.*

* source

NLP breakthroughs

Breakthroughs in image recognition are revolutionizing applied AI use cases; similar breakthroughs are about to take place in Natural Language Understanding.*

* basis for assessment

Business model

IRIS.AI

Free basic tool for data collection and community building

Scithons™

Easy early revenue in scalable platform model

Low-barrier intro to tool even for large corporations

Already generating revenue

SaaS model

R&D Departments

Free text input and connection to paywalled and internal content.

First pilots in progress

API licensing

Core tech access

Connect, retrain and adapt core technology into other corpus and processes.

Limited offer from 2018

Scithon™

/ˈsiθɒn/

noun

an event where teams of researchers compete online or in person to solve a company's R&D challenge using existing literature, typically for a cash prize.

See video

Scithon™: go-to-market sales strategy

Nov-Dec 2016	Jan-June 2017	July-Sept 2017	Oct-Dec 2017
Phase 1: Sell first 6 Scithons™	**Phase 2: Deliver 6 on-site events**	**Phase 3: Pilot Scithon™ platform**	**Phase 4: Scale digital events**
5 of 6 sold before public announcement.	First 6 events at cost. $10k fee + $5k prize.	Learnings from events allows precise design.	As events go digital, margins increase.
	<u>Company gets unique offer of SaaS pilot</u>	Proven scalability; Kaggle, TopCoder, HackerOne.	Continued SaaS opportunities.

Market validation

Paying customers

skhole

HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI

UNIVERSITÄTS
KLINIKUM FREIBURG

Pilot partners

swerea|SICOMP

AVANCEZ
1829
CHALMERS
UNIVERSITY OF TECHNOLOGY

Our
Future
Health

Volume users

80.000

tool users

11%

active users

11:19

average time
spent each visit

Competitors

IRIS.AI

Competitive edge

Open crowd trained tool; Scithons™ for building community and early revenues; science as corpus for deep tech positioning.

Long-term tech

	IRIS.AI	OMNITY	Semantic Scholar	Yewno	Meta	Google scholar	Quid	inno	UNSILO
Open public tool	✓	✓	✓	X	✓	✓	X	X	X
Beyond keywords	✓	✓	✓	✓	X	X	X	X	X
Beyond results list	✓	✓	X	✓	X	X	✓	X	X

Scithon™ competitors

INNOCENTIVE   kaggle

Technology

Neural model for Natural Language Processing

AI Technology

Non-semantic neural topic modeling with input tailored hierarchy building through heuristic functions

Coming soon

All in one neural network

Architecture

Relational database
Python based API platform
HTML5/CSS3 client

Coming soon
General Machine Learning framework
Non relational database
Scithon™ platform

AI Learning

Unsupervised learning
Supervised learning through community of AI trainers

Coming
Reinforcement learning

Science: A strategic starting point

IRIS.AI

Uniquely positioned

for pushing the frontier of NLP on

vast and complex text understanding

Talent Acquisition

Strategy:

Build solid relationships with CS Departments at Unis, with industrial PhD and MSc.

Made possible by tool being directly useful to individuals and departments.

First secured: Chalmers UoT

Science Vocabulary

>200k words in vocabulary of current corpus
(ref: Reuters RCV1 ≈38k)

Requires architecture and capacity for complex and massive corpus and vocabularies.

Solid advantage in core tech tackling new fields

Founding team from Singularity University

IRIS.AI

Anita Schjøll Brede
CEO

Has built several high-tech startups

SingularityU GSP15
Chalmers, MSc Entrepreneurship
HiOA, BA Theatre comm
Stanford & UC Berkeley

4 high-tech startups

Victor Botev
CTO

Has done AI research & built products

Chalmers, MSc Computer Science
Sofia, MSc Artificial Intelligence

Skrill
cPac
Chalmers

Maria Ritola
CMO

Has created global communities

SingularityU GSP15
HSE, MA Economics
ESCP-EAP Paris

UN
Bank of Finland
Demos Helsinki

Jacobo Elosua
CFO

Has secured billion dollar deals

SingularityU GSP15
ICADE, MA int'l business administration, BA law, BA economics

UBS Investment Bank
Civio

Experienced tech team

IRIS.AI

Kaloyan Marinov

Theoretical Mathematician

Postdoc, Technical University of Denmark

PhD Mathematics, Washington University

Jonas Lööf

Machine Learning Research engineer

12 years practical experience with Human Language Technology and Pattern Recognition

Senior Research Scientist, Nuance Communications Deutschland

PhD, Aachen University

Vova Krekhovetsky

Full Stack Developer

8 years experience as full stack and front end developer.

Eugene Gurikov

Quality Automation

Driven quality assurance and automation engineer.

People who love us

IRIS.AI

Startup networks

TechCrunch **STARTUP BATTLEFIELD**

500

Singularity University

R&D partners

tu technische universität dortmund

SINTEF

UNIVERSITY OF GOTHENBURG

CHALMERS
UNIVERSITY OF TECHNOLOGY

Trainer community

4.500
individuals
**helping
Iris learn**

Closing seed round Spring 2017

Financing to date

€400k raised in convertible notes from angels

Current burn rate €30k

Team of 11

Runway until at least June 2017

Next milestones

Securing 18-month runway:

Develop and scale digital Scithon™ platform

Researching and developing 3.0 and 4.0

Kickstart SaaS sales

Investor profile

Targeted syndicate:

Aligned with the big vision (i.e. appropriately crazy)

R&D, B2B and AI knowledgeable

No bullshit - integrity and transparency

Detailed financial projections available on request

I'm gonna have to
**Science
the shit**
out of this!

The Martian

IRIS.AI

Get in touch to be part of our adventure!

Anita Schjøll Brede

CEO & Co-Founder

anita@iris.ai

(+47) 45 50 73 80