



# COGENCY AI-COSCIENTIST

**"Cogency AI" is the name of our company, and "AI Co-Scientist" is the name of our product, positioned as a competitor to Google's AI Co-Scientist.**

**The name Cogency was chosen because it denotes logical reasoning. Additionally, it can be interpreted as a combination of "Co"—symbolizing cooperation between humans and AI—and "Agency", reflecting agentic AI.**

**We are building an Agentic Reasoning Cooperative AI Scientist.**

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# Learnings to Action

## Project Moving Forward

- Based on the PMR analysis, the project will focus on refining the AI Co-scientist to meet the needs of Academic & Research Institutions, which have the highest strategic value
- Continuous PMR will be performed over the semester by gathering direct feedback from potential users and refining the product's features to enhance adoption
- Regular validation of assumptions through surveys, interviews, and targeted studies with research institutions

## Future PMR Activities

- Conduct targeted surveys with researchers and institutions
- Analyze adoption barriers and adjust the product accordingly
- Continue monitoring AI research tool trends and competitor developments

# BHM Selection

## Chosen Market Segment

- **Academic & Research Institutions** (Universities, Research Institutes, Labs)
- This segment offers:
  - High strategic value and credibility
  - Alignment with the team's expertise (even with moderate per-user revenue)

## Further Segmentation

- Focused on research-intensive institutions - actively seeking AI tools to enhance research efficiency
- Segmentation ensures the product targets high-adoption environments with scalable opportunities

## Comparison to Other Candidates

- Private R&D Organizations: High accessibility and innovation-driven but lacks credibility and alignment
- Pharma & Biotech Companies: High revenue potential but complex sales cycles and compliance issues
- Government & Public Research Agencies: Prestigious but bureaucratic, with limited adaptability to AI tools

## Why This Segment Works

*Academic & Research Institutions share similar purchasing behaviors, with streamlined sales cycles and strong word-of-mouth potential through research networks and conferences*

# The Process

## Workflow & Collaboration

- Team leader (Chrysis) assigns tasks based on team strengths
- Communication via Slack, GitHub, and regular post-lecture meetings for progress updates
- Independent work on separate tasks, collaborative approach on related deliverables
- Collaborative tools (Miro, Canva) employed for interconnected tasks

## Team Dynamics Assessment

- Strengths: Strong consent-based decision making; mutual respect for team member choices
- Values: Honesty as first priority; commitment to quality deliverables
- Engagement: Team collaborating with passion and mutual trust
- Effective task allocation system demonstrated in previous assignments

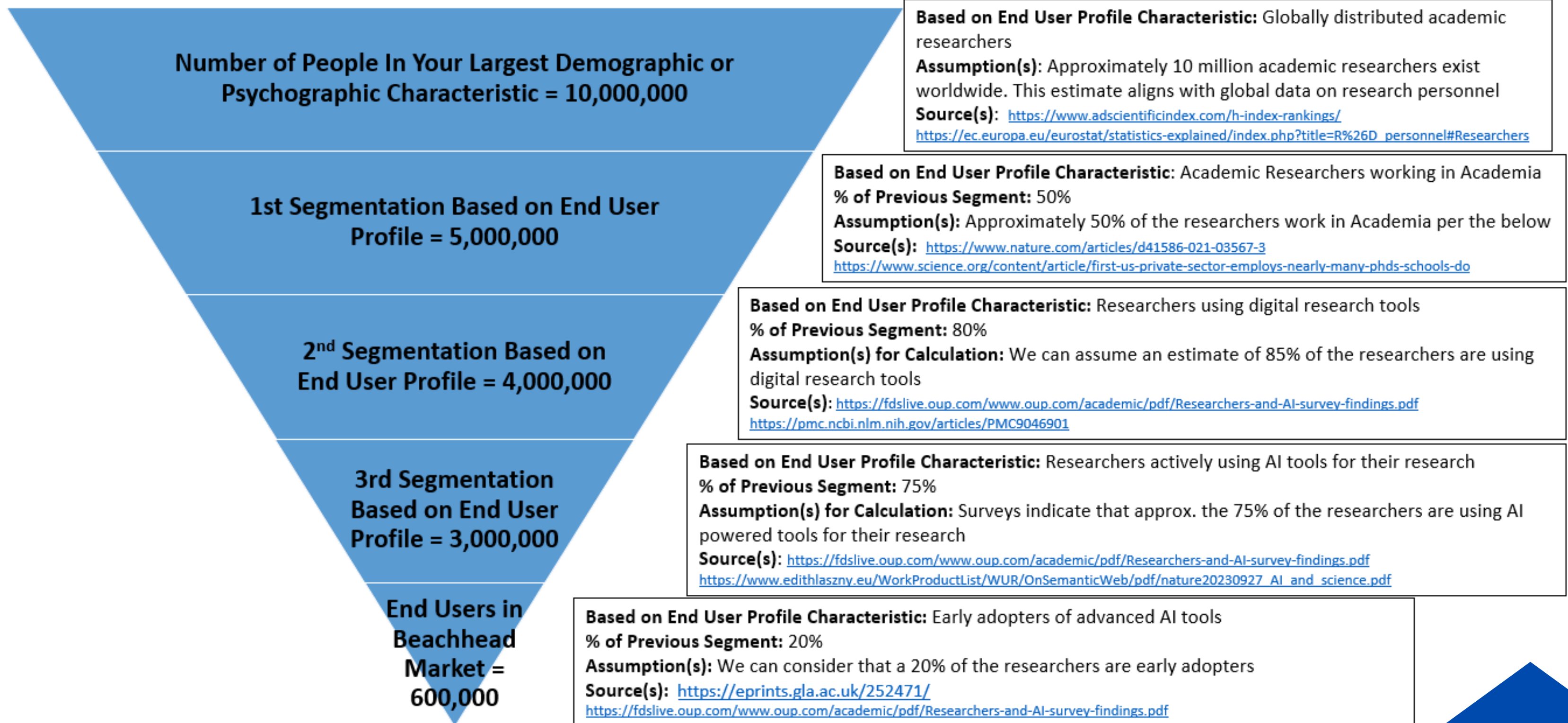
## Norms Assessment & Future Plans

- Current workflow norms functioning effectively - no updates needed
- Identified Challenge: Delivery/pitching of progress needs improvement
- Fine-tuning Plan: Enhance marketing knowledge and presentation skills through practice
- Continue leveraging individual strengths while maintaining collaborative assessment



# TAM (Step 4)

## Top-Down Estimate of Number of End Users in Beachhead Market



# Persona (Step #5) Chrysis Andreou

**Age & Study:** 30, Master's in AI

**Why persona?** Founder & Early Adopter (AI Co-Scientist), provide ongoing critical feedback.

**Demographics:** Active in academic/tech communities

**Psychographics:**

- Rational: AI advancement, open-source AGI
- Emotional: Fear of falling behind, innovation drive
- Social: Active on X, university events, tech meetups

**Priorities:**

- Academic excellence (30%)
- AI innovation : Build AI Co-Scientist (20%)
- Deep learning research (20%)
- Research impact (15%)
- Collaboration & funding (15%)

**Watering Holes:** Campus, conferences, tech events, online communities



# Full Life Cycle Use Case

## (Step #6):

### Need Recognition

- Researchers identify inefficiencies in current methods (time-consuming literature reviews, error-prone experimental design, resource-intensive analysis)

### Discovery & Adoption

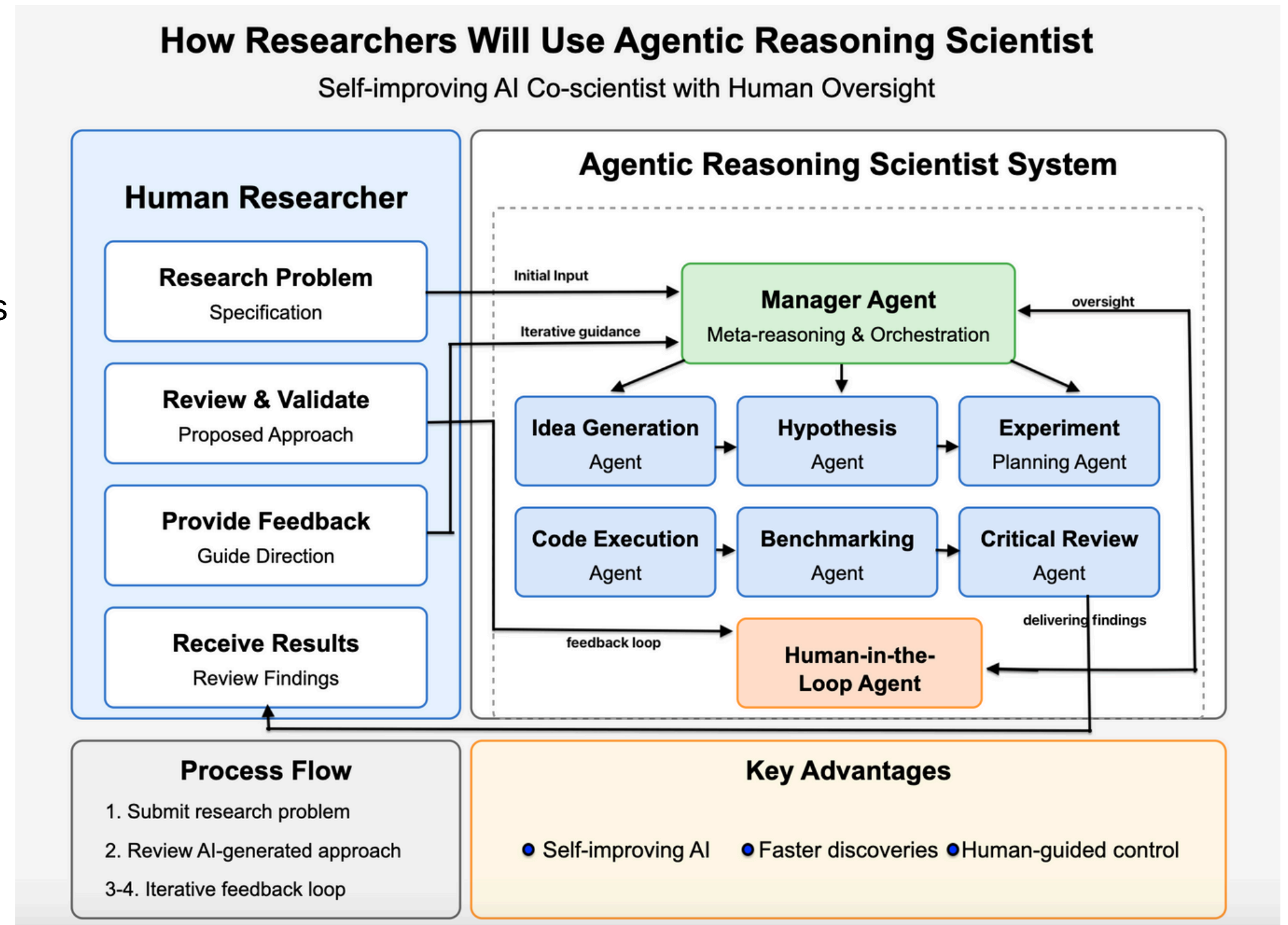
- Researchers learn about our system through academic conferences, peer recommendations, and online research communities

### Usage Flow

- [System Diagram - Agentic Reasoning Scientist]

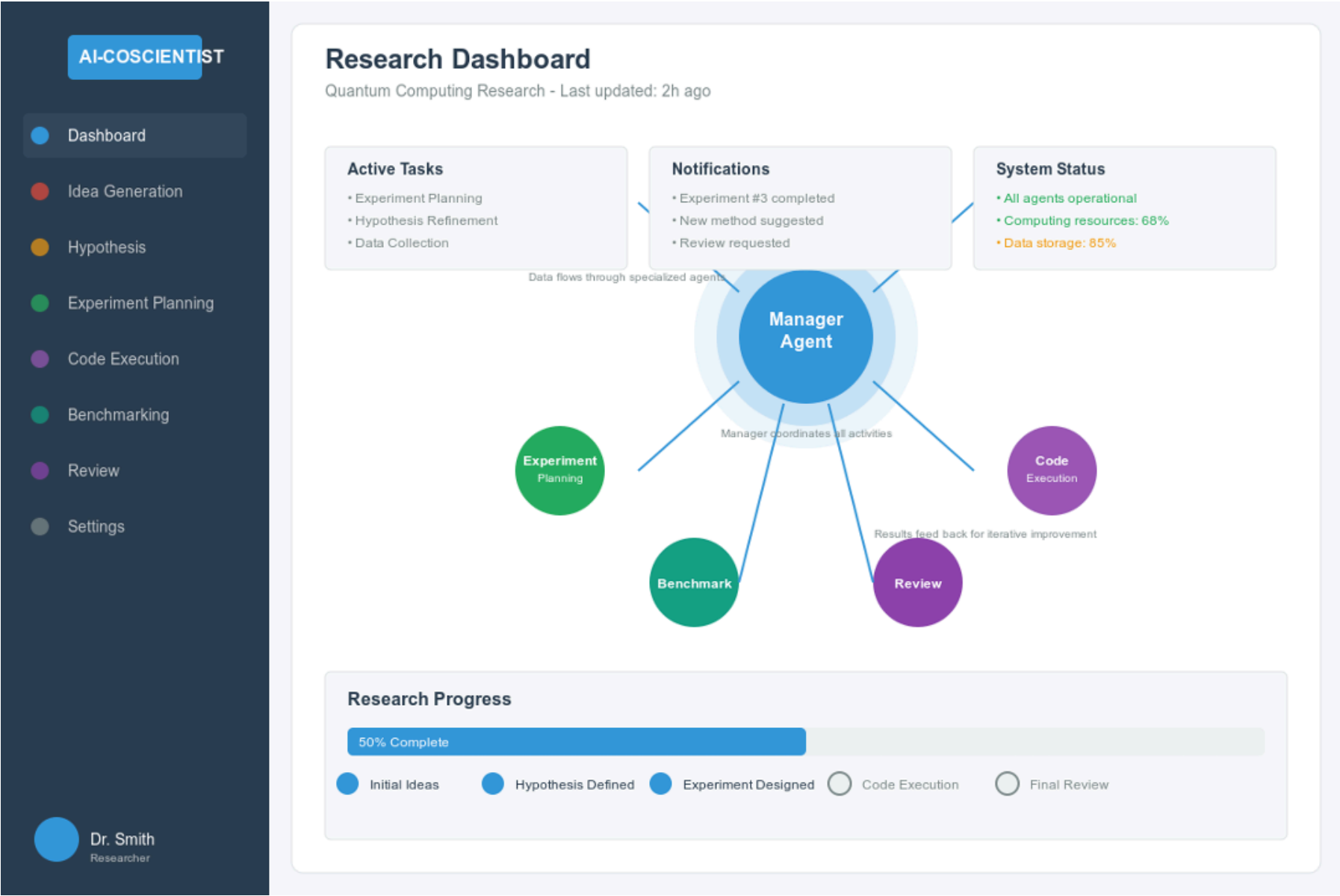
### Value Measurement

- Quantifiable metrics: Research speed (30-50% faster), publication quality, novel insights generated
- Success determined by comparing pre/post-adoption outcomes and breakthrough discoveries

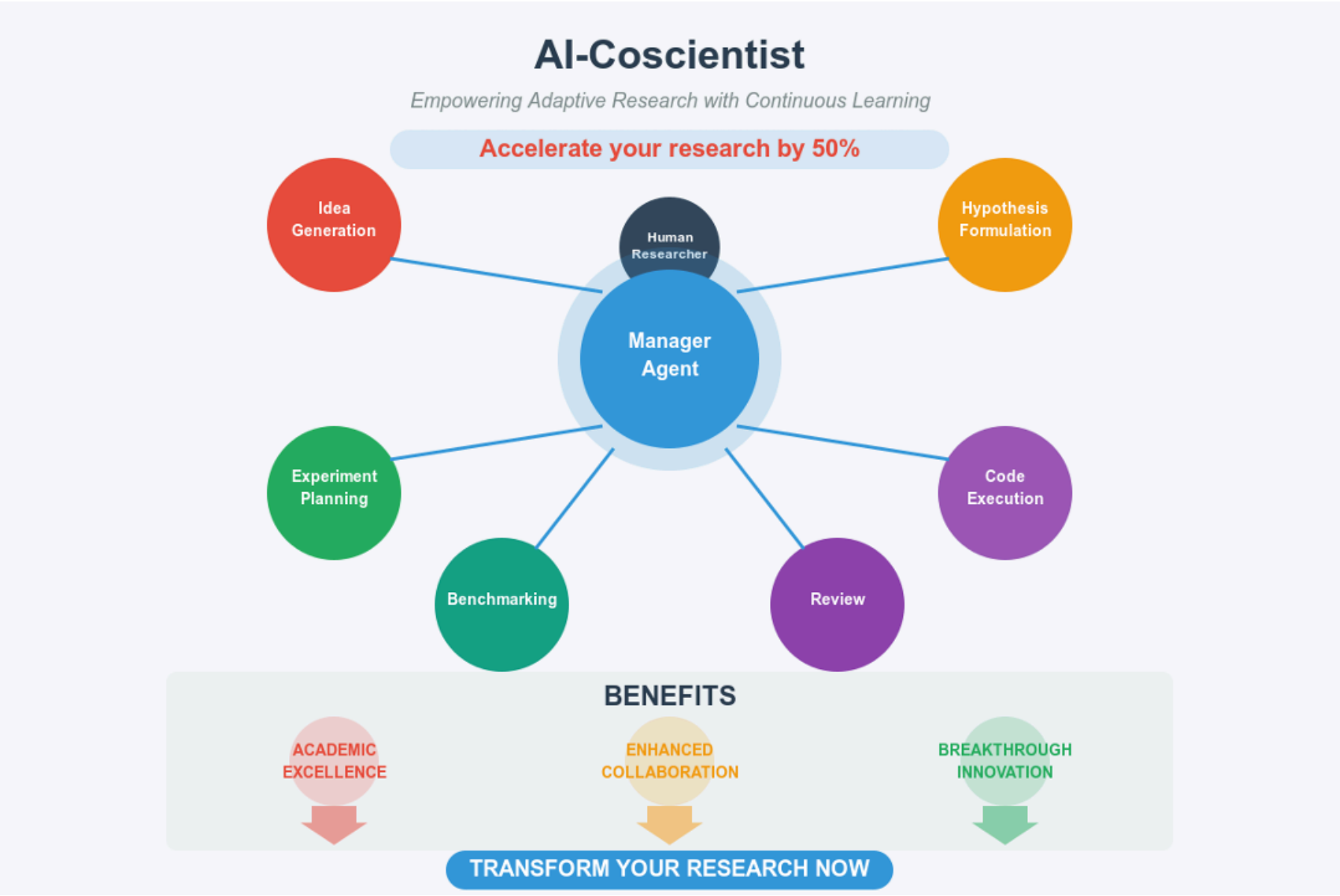


# High Level Product Specification (Step #7)

## Dashboard



## Brochure





# Quantified Value Proposition (Step #8)

“As is” state

Component 1 = Literature Review	Component 2 = Experiment Planning	Component 3 = Data Analysis	Component 4 = Information Aggregation	Component 5 = Progress Tracking	
Task Completed = Manual review	Task Completed = Basic planning	Task Completed = Basic analysis	Task Completed = Manual collation	Task Completed = Manual tracking	
Units = 10 hours	Units = 10 hours	Units = 10 hours	Units = 10 hours	Units = 10 hours	Total Units = 50 hours
<div>#1 Priority of Persona = Academic Excellence</div>					
Units = 5 hours	Units = 5 hours	Units = 5 hours	Units = 5 hours	Units = 5 hours	Total Units = 25 hours
Task Completed = Automated review	Task Completed = AI-driven planning	Task Completed = Advanced analytics	Task Completed = Seamless integration	Task Completed = Real-time tracking	Summary of Benefits = 50% time saved
Improvements = A utomated literature sourcing, filtering, and summarizing.	Improvements = AI-powered experiment design optimizing hypothesis testing.	Improvements = Real-time, precise insights from complex data analysis.	Improvements = Integrated data streams for comprehensive insights.	Improvements = Continuous progress updates with milestone tracking.	Reason for Benefits = Automation and integration reduce manual work

“possible ” state

Summary of Benefits  
Significant time savings,  
enhanced research  
quality, and accelerated  
breakthroughs

Reason for Benefits  
Automation and  
integration  
streamline workflows,  
cutting manual effort and  
error.



**THANK  
YOU**