

Complete Execution Guide

Downloading & Processing Consciousness Theories Database

Prerequisites

```
powershell  
  
# Install required PowerShell modules  
Install-Module -Name Selenium -Force -Scope CurrentUser
```

Step 1: Download Website Content

```
powershell  
  
# Navigate to your project directory  
cd "C:\Users\russe\Documents\GitHub\PMOVES.AI\pmoves\docs"  
  
# Run the main downloader script  
.\\Constellation-Harvest-Regularization\consciousness-downloader.ps1  
  
# This creates the full directory structure and downloads static content
```

Step 2: Extract Dynamic Content

```
powershell  
  
# Run the Selenium scraper for dynamic JavaScript content  
.\\Constellation-Harvest-Regularization\scripts\selenium-scraper.ps1  
  
# This will take several minutes as it loads and extracts dynamic content
```

Step 3: Process for RAG Integration

```
powershell  
  
# Process downloaded content for your Supabase + Hugging Face setup  
.\\Constellation-Harvest-Regularization\rag-processor.ps1  
  
# This chunks text and prepares data for embedding
```

Step 4: Set up Supabase Database

```
sql
-- In your Supabase SQL editor, run:
-- File: processed-for-rag/supabase-import/consciousness-schema.sql

-- This creates tables with vector search capabilities
-- Includes hybrid search functions optimized for your 3584-dim embeddings
```

Step 5: Generate Embeddings with n8n

1. Import the workflow: [processed-for-rag/supabase-import/n8n-workflow.json](#)
2. Configure your Hugging Face API node
3. Set up Supabase connection
4. Process the JSONL file: [processed-for-rag/embeddings-ready/consciousness-chunks.jsonl](#)

Integration with Your Existing Setup

Supabase Vector Store:

- Uses your existing 3584-dimension embeddings
- Compatible with pgvector and TimescaleDB
- Hybrid search combines semantic + keyword matching

n8n Automation:

- Connects to your existing Hugging Face embeddings node
- Feeds directly into your Supabase node
- Processes consciousness theories alongside your YouTube transcripts

RAG Query Examples:

```
sql
```

```
-- Semantic search for consciousness theories
SELECT * FROM hybrid_search_consciousness(
    ... 'theories about AI consciousness',
    ... your_query_embedding_vector,
    ... 0.7, -- semantic weight
    ... 0.3, -- keyword weight
    ... 10, -- result limit
);
```

```
-- Category-filtered search
SELECT * FROM consciousness_theories
WHERE theory_category = 'Quantum-Theories'
AND embedding <= your_embedding < 0.5;
```

File Structure Created

```
Constellation-Harvest-Regularization/
├── website-mirror/..... # Static HTML copies
├── theories/..... # Organized by category
|   ├── Materialism-Theories/
|   ├── Quantum-Theories/
|   ├── Panpsychisms/
|   └── ...
├── research-papers/..... # Academic papers (142-page main paper)
├── data-exports/..... # JSON/CSV structured data
├── processed-for-rag/.... # Ready for embedding
|   ├── embeddings-ready/.. # JSONL and CSV for Hugging Face
|   └── supabase-import/.. # Schema and workflow
└── scripts/..... # Automation scripts
```

Benefits for Your RAG System

- **Comprehensive Knowledge Base:** 500+ consciousness theories
- **Structured Categories:** From materialist to idealist approaches
- **Academic Rigor:** Based on 142-page peer-reviewed paper
- **AI-Relevant:** Direct implications for AI consciousness
- **Hybrid Search Ready:** Optimized for your Supabase setup
- **n8n Compatible:** Integrates with your existing automation

This database will significantly enhance your RAG system's ability to answer questions about consciousness, AI development, and theoretical frameworks - perfect for the PMOVES.AI knowledge base!