

FIGURE 1: DIAGRAM OF CARBON ACCOUNTING PROCESSES

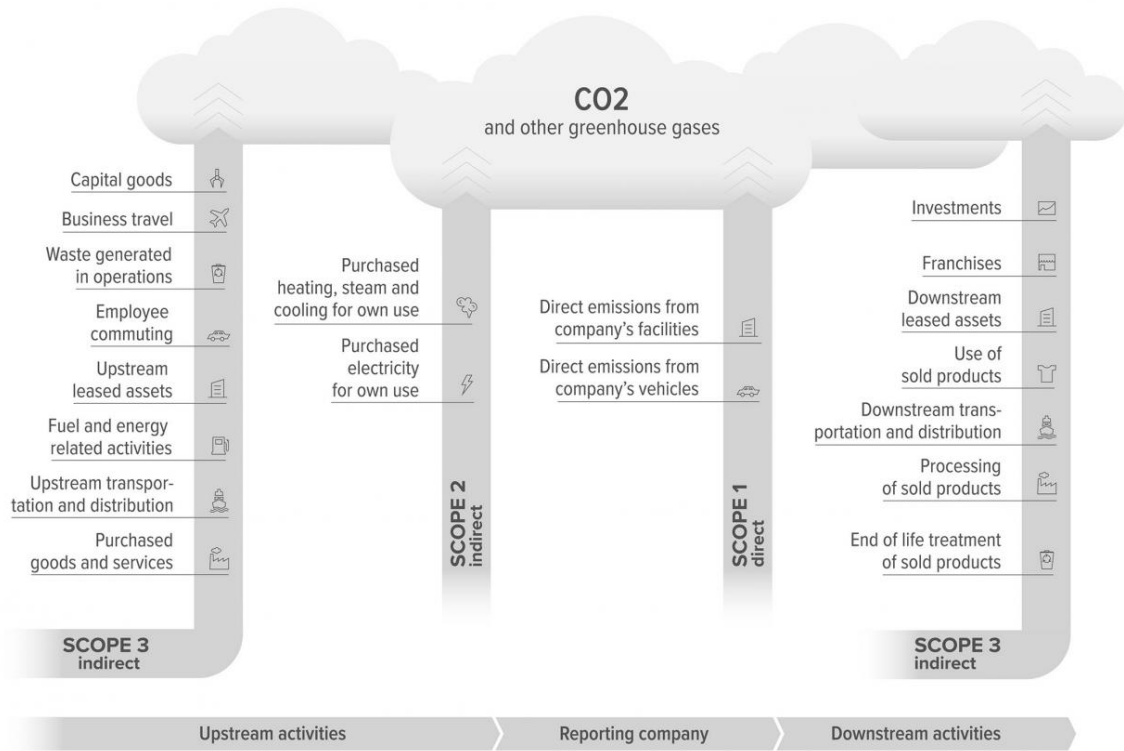


FIGURE 2: DIAGRAM OF GHG PROTOCOL DEFINITION OF SCOPE 1, 2, AND 3 ACCOUNTING

Figure [1.1] Overview of GHG Protocol scopes and emissions across the value chain

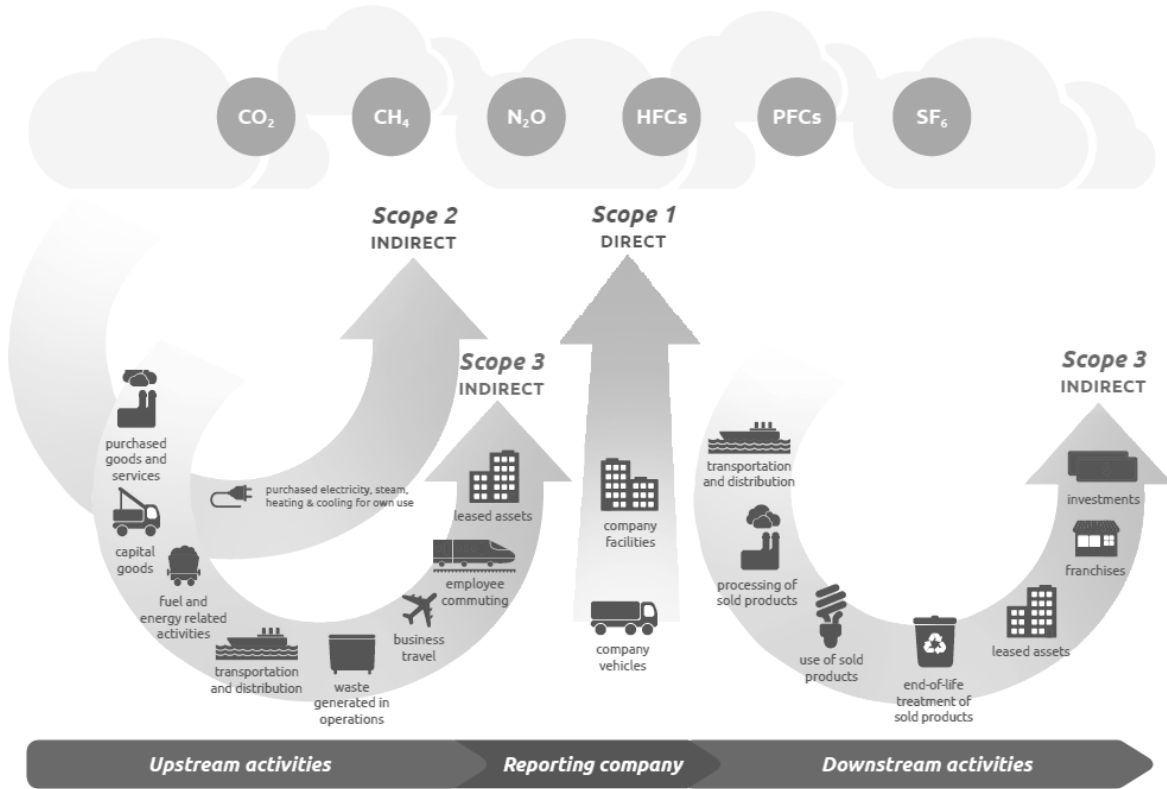


FIGURE 3: DIAGRAM OF DIGITAL MONITORING, REPORTING, AND VERIFICATION

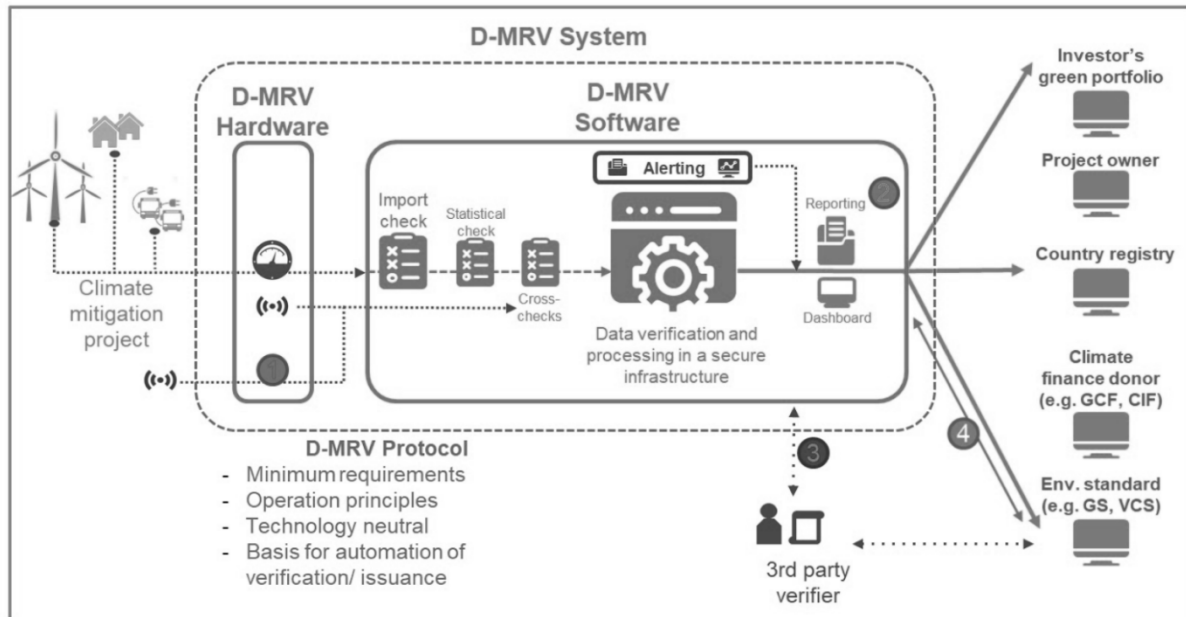


FIGURE 4: DIGITAL MRV AS PROPOSED BY THE WORLD BANK CLIMATE WAREHOUSE

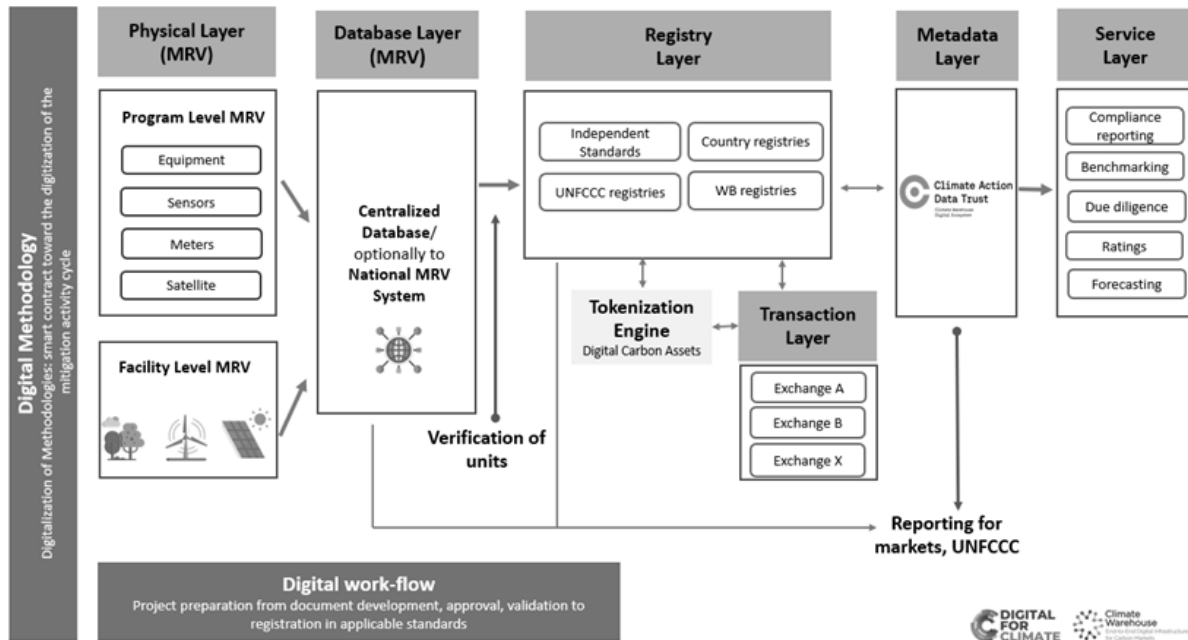


FIGURE 5: COMPARISON OF DeFED BANK TO TRADITIONAL BANK (JP MORGAN)

Comparison Chart

JP Morgan Bank	DeFED Bank
Deposits are transactions	Deposits are not transactions
Rehypothecation / Reuse at will	Rehypothecation / Reuse fully waived
Title transfer required	Title transfer avoided
Bank owns deposited assets	Customer owns deposited assets
Liability fully on customer	Liability fully on bank
No FDIC insurance guarantee	Full FDIC insurance guarantee
No yield generation on deposits	10-20% compounding yield on deposits
Customer can't utilize assets	Customer can utilize assets
Bank charges fees	Bank doesn't charge any fees
Bank hours 9am – 4pm weekdays	Bank is always open

FIGURE 6: DIAGRAM OF ALL 17 SUSTAINABLE DEVELOPMENT GOALS



FIGURE 7: DEPOSIT TOKEN PROCESS

Exhibit: Deposit tokens process

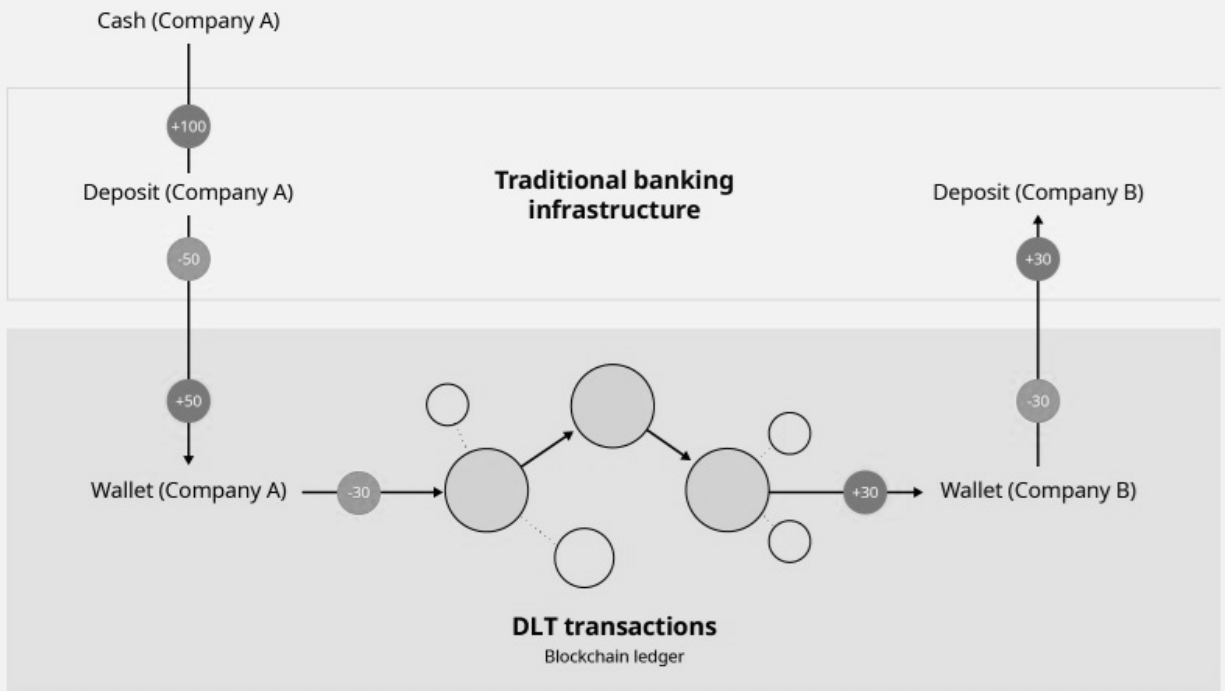


FIGURE 8: BANK SERVICES AND MENU OUTLINE

DEFED Web4 Banking Dashboard Design

Key Features of the DEFED Banking Dashboard:

1. Modern Web4 Design

- Dark theme with gradient accents for a futuristic feel
- Clean layout with intuitive navigation

2. Digital Wallet Section

- Shows all requested cryptocurrencies with prices and amounts:
 - PARYS Carbon RWA (\$142.75, 350.25 tokens)
 - PARYS Mining RWA (\$87.40, 120.50 tokens)
 - PARYS Real Estate RWA (\$210.30, 85.75 tokens)
 - REMIT (\$0.85, 42,500 tokens)
 - REPAY (\$1.25, 15,000 tokens)
- Each wallet card displays price, amount, value, and 24h change
- Buy/Sell actions for each cryptocurrency

3. Comprehensive Service Menu

- Deposit
- Withdraw
- Transfer
- Payments
- Personal Loans
- Commercial Loans

4. Dashboard Overview

- Total balance card (\$87,430.25)
- Transactions card (\$12,450.00)
- Loan balance card (\$45,000.00)

5. Responsive Design

- Adapts to different screen sizes
- Collapsible sidebar for mobile view

6. Interactive Elements

- Active state indicators for menu items
- Hover effects on cards and buttons
- Notification system

FIGURE 9: DIGITAL BEARER INSTRUMENT MODEL OF PRIVATE TOKENIZED MONEY

Digital bearer instrument model of private tokenised money

Graph 1

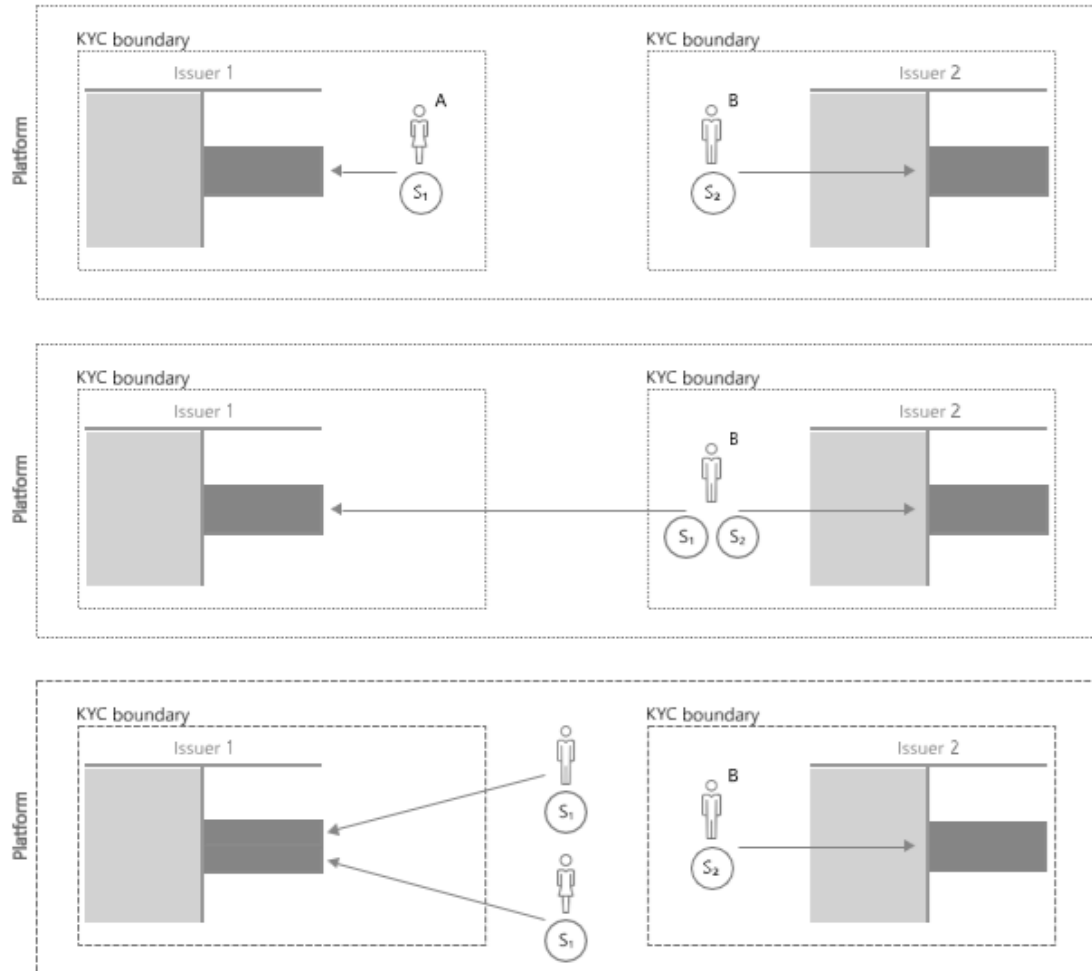


FIGURE 10: BURN/ISSUE MODEL OF PRIVATE TOKENIZED MONEY

Burn/issue model of private tokenised money

Graph 3

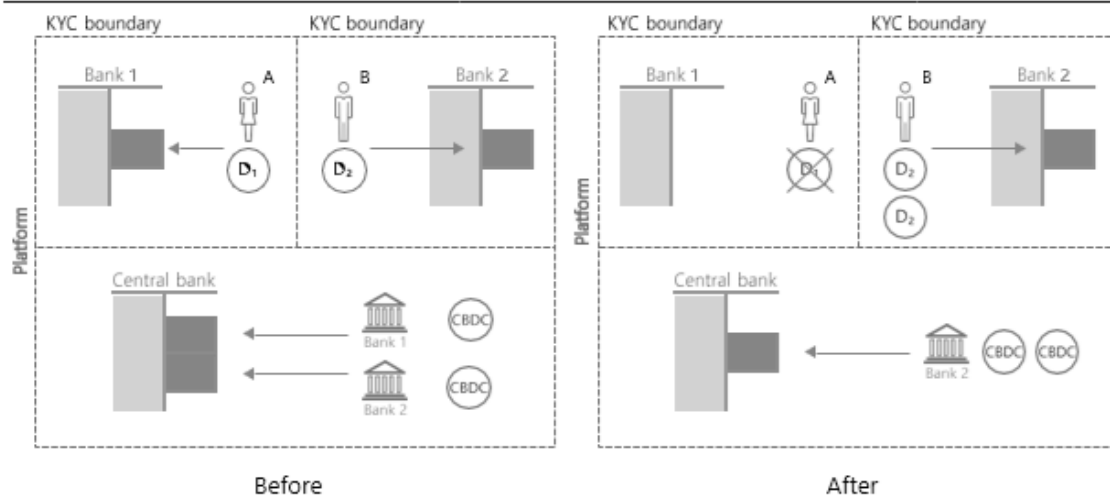


FIGURE 11: DIAGRAM: AGENTIC SYSTEMS CN ACCESS TOOLS FOR DISCOVERY AND EXECUTION, AND CAN PLAN GOALS TO ACHIEVE REAL-WORLD EVENTS.

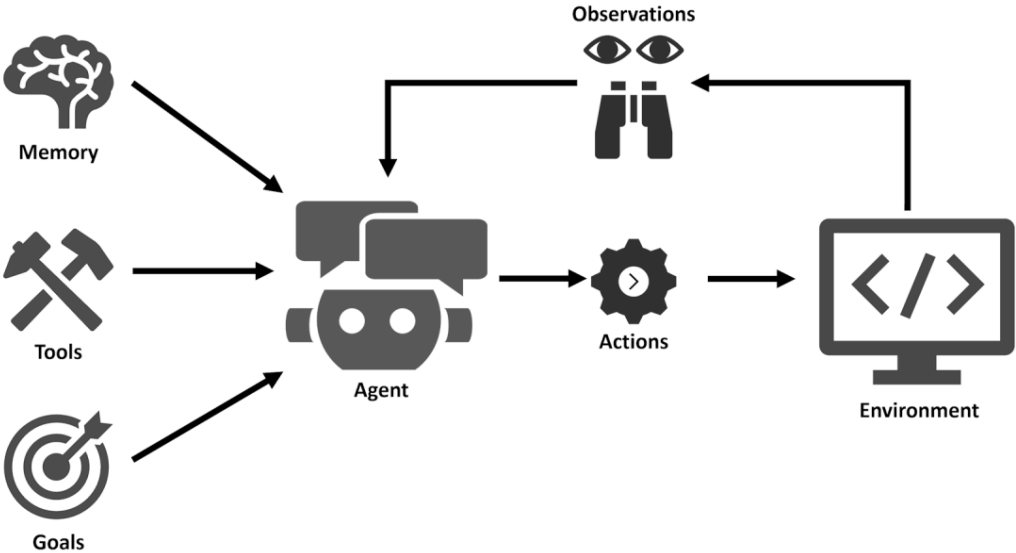


FIGURE 12: USING LOCAL LLMS WITH LOCAL DATA

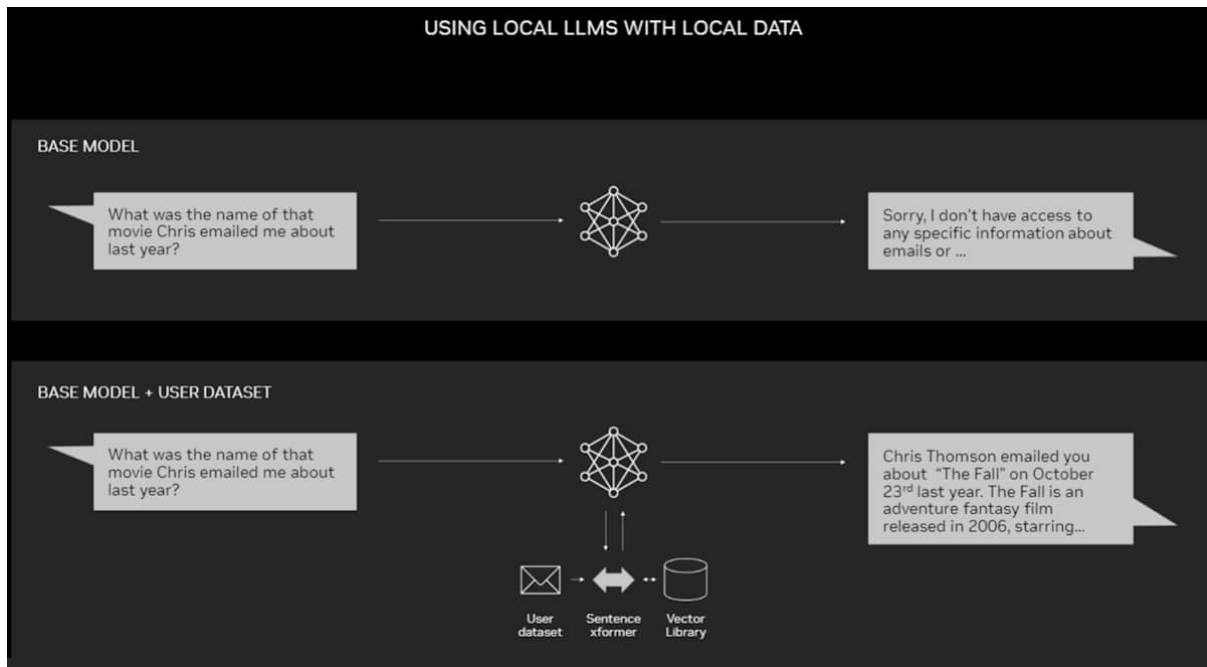


FIGURE 13: RETRIEVAL-AUGMENTED GENERATION SEQUENCE DIAGRAM THAT COMBINES LLMs WITH EMBEDDING MODELS AND VECTOR DATABASES.

Retrieval Augmented Generation (RAG) Sequence Diagram

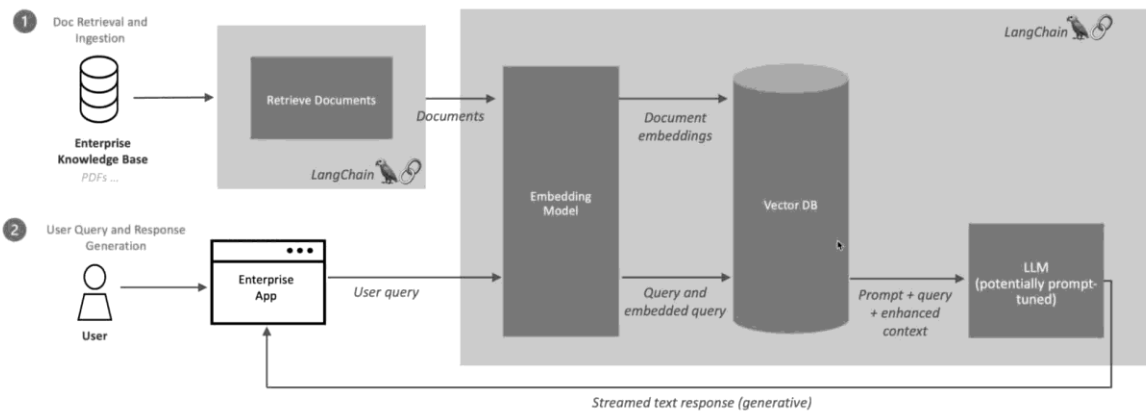


FIGURE 14: RETRIEVAL-AUGMENTED GENERATION FLOW CHART COMBINES LLMS WITH EMBEDDING MODELS AND VECTOR DATABASES.

