fetch.ai

Autonomous Execution

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Overview

Fetch's vision

An open platform for building smart autonomous services

Technologies we are building

Fetch Network provides all the necessary tooling for builders to develop, deploy and monetize their applications and platforms

How all these components fit together?

Creating AI platforms and services that let anyone build and deploy AI services at scale, anytime and anywhere

WHY NOW?

AI/ML is exploding as ChatGPT delivers a gamechanger

Finding products and services and executing transactions is next

Connecting stakeholders is cumbersome

Microservices need to self-assemble and execute

New business case evolution

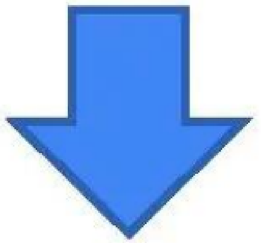
Project Incubation & ecosystem development for the new economy

Mission

Develop the infrastructure and tech building blocks to power the new web of smart services

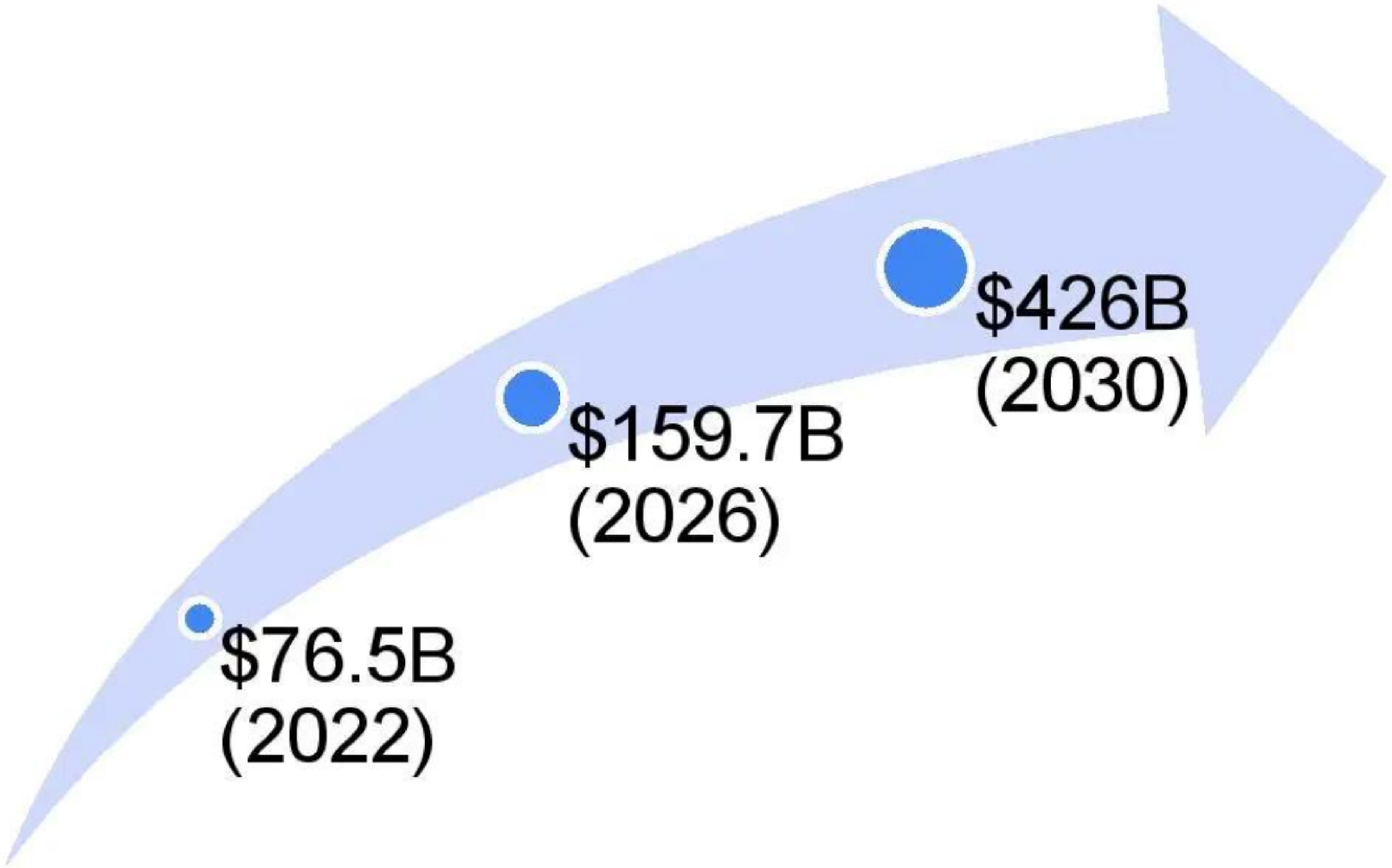
Value Prop

LLMs (GPT) + Fetch.ai Execution Layer --> Unlocking a much simpler search and execution channel

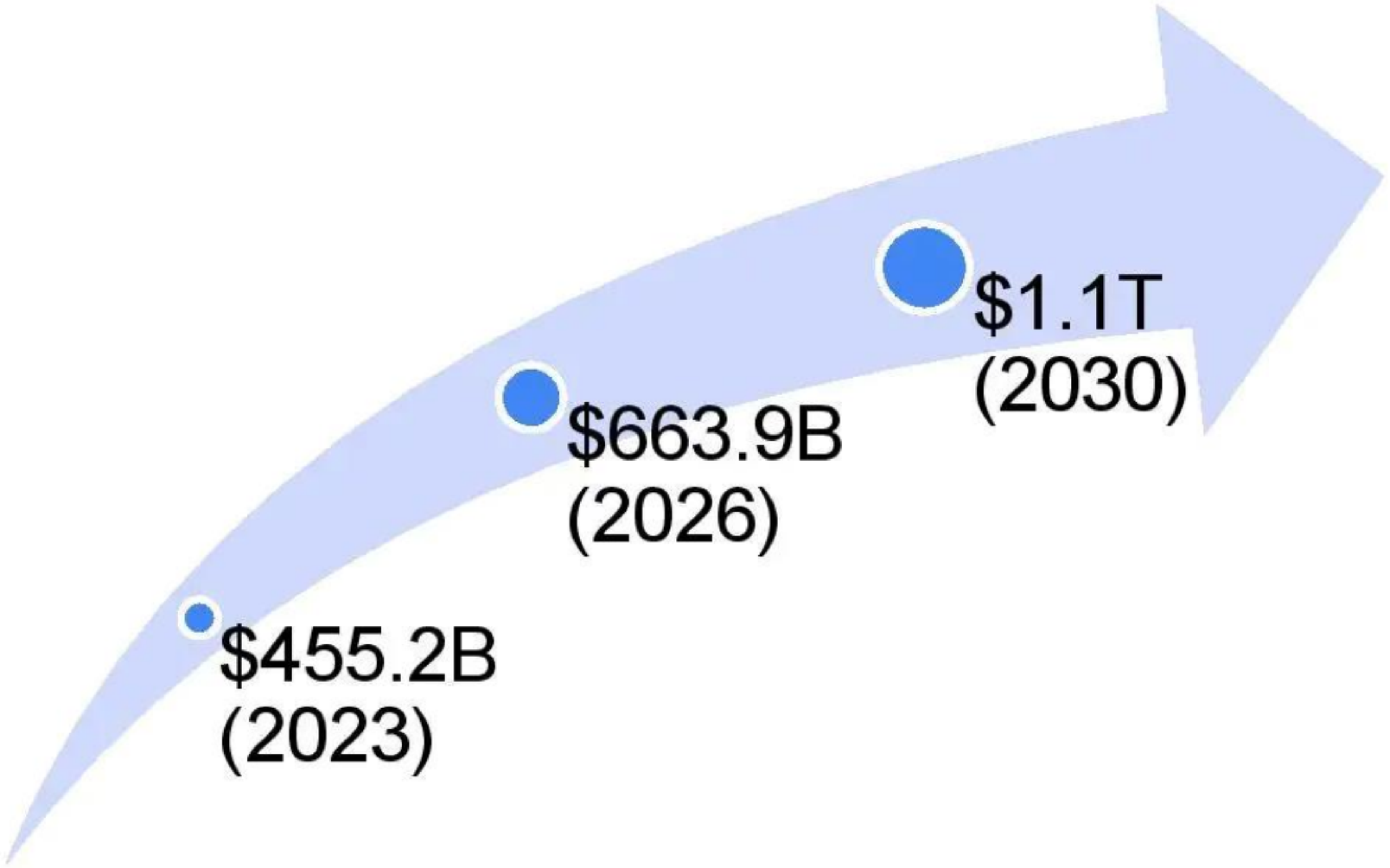


Market places without Aggregators

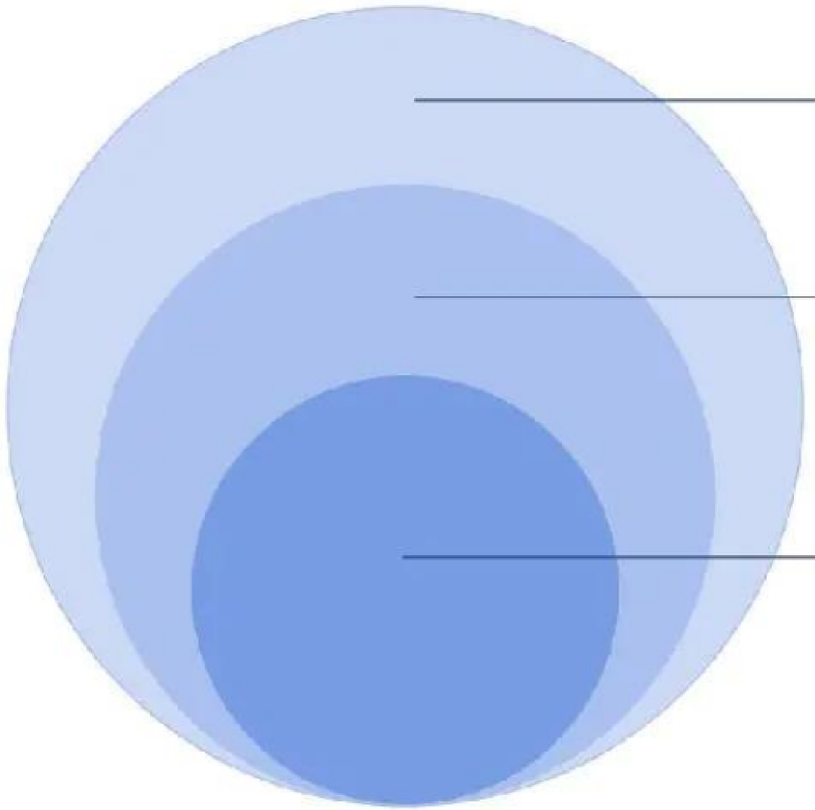
Market Size for connected services - Super Apps



Market Size for P2P Gig services



TAM / SAM / SOM for Fetch.ai

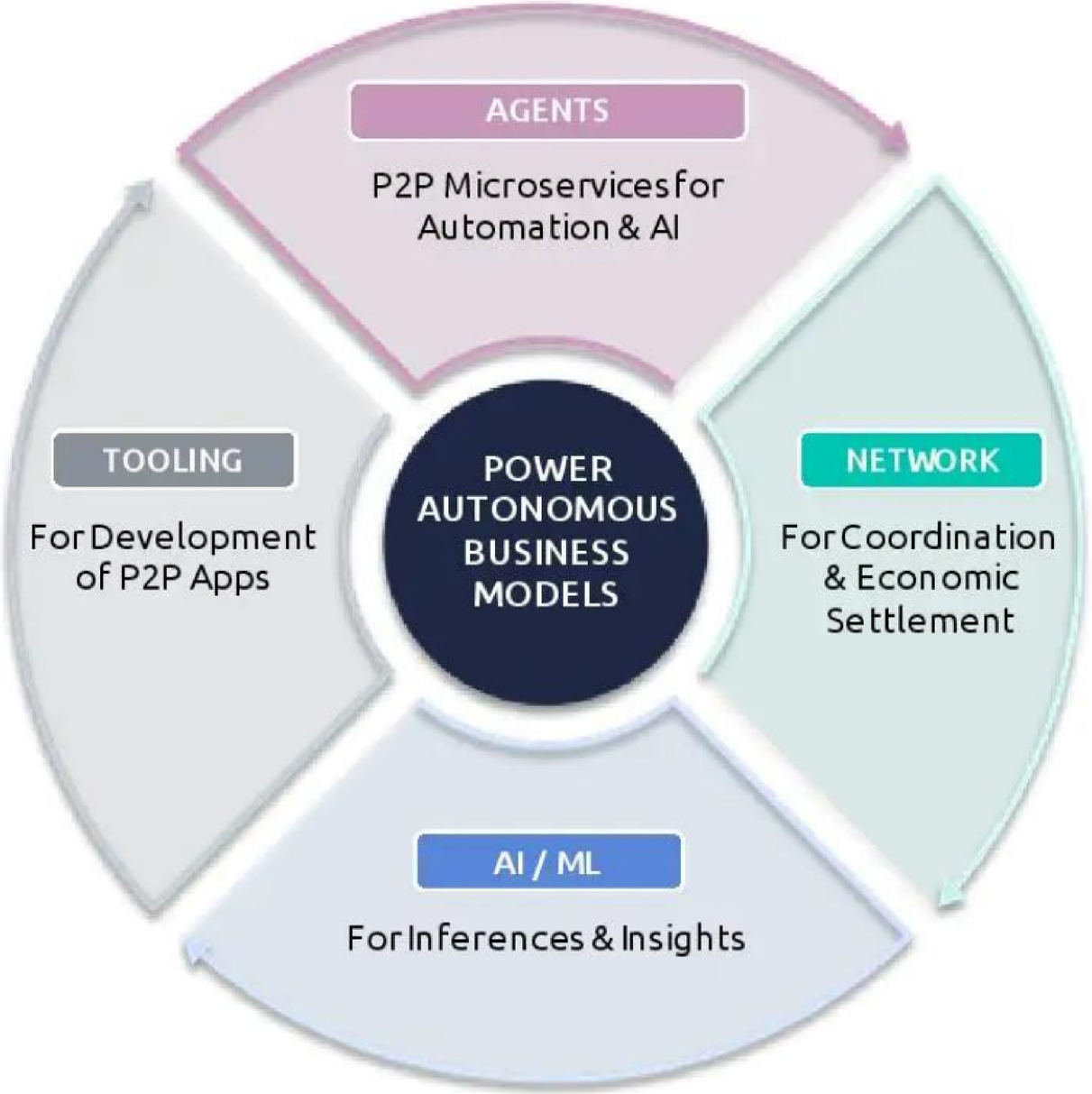


Total Available Market
- $426B (Super Apps Model)
- $1.1T (Gig Services Model)

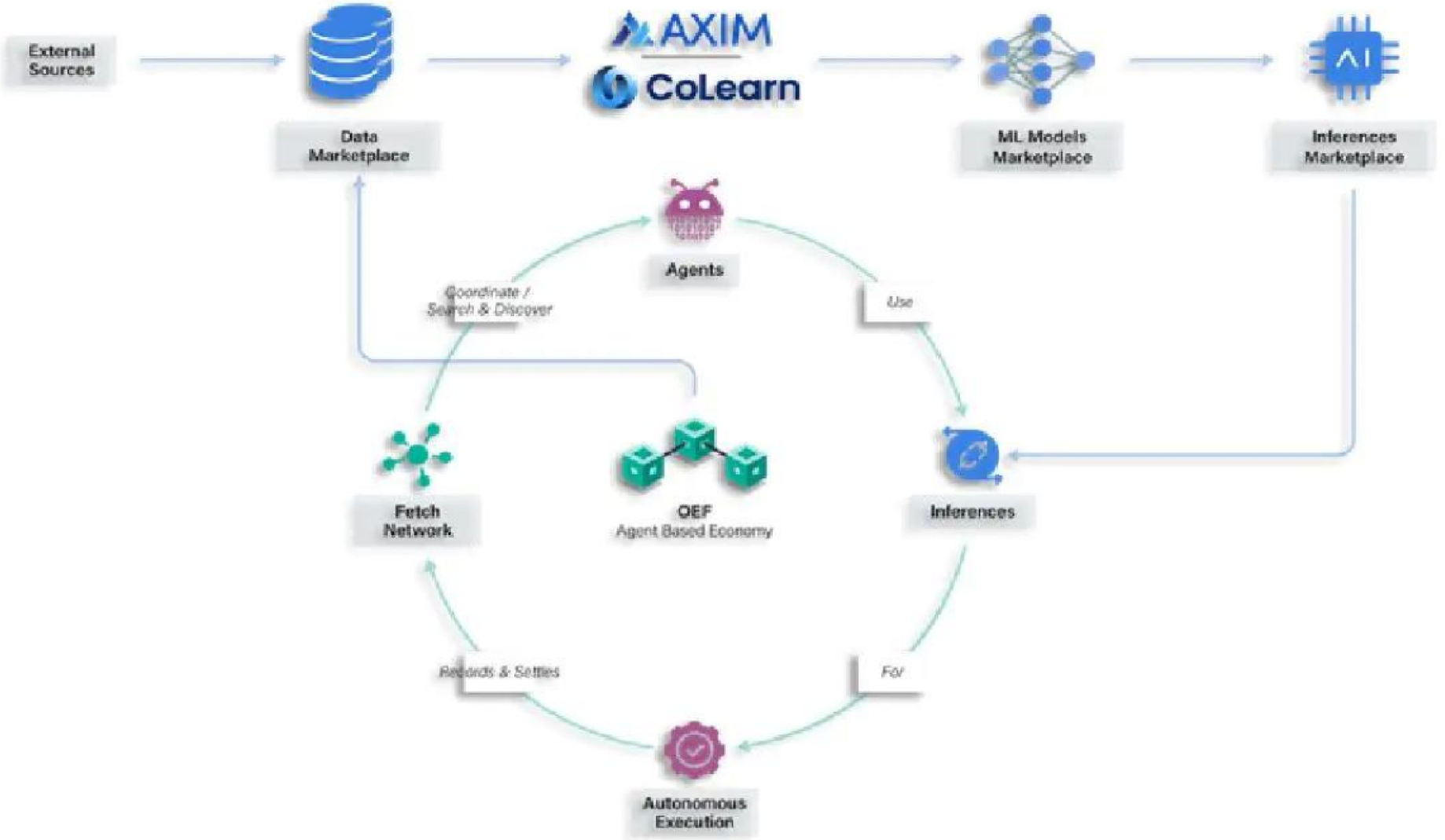
Serviceable Available Market *(30% of TAM)*
- $127.8B (Super Apps Model)
- $329.4B (Gig Services Model)

Serviceable Obtainable Market *(5% of SAM)*
- $6.4B (Super Apps Model)
- $16.5B (Gig Services Model)

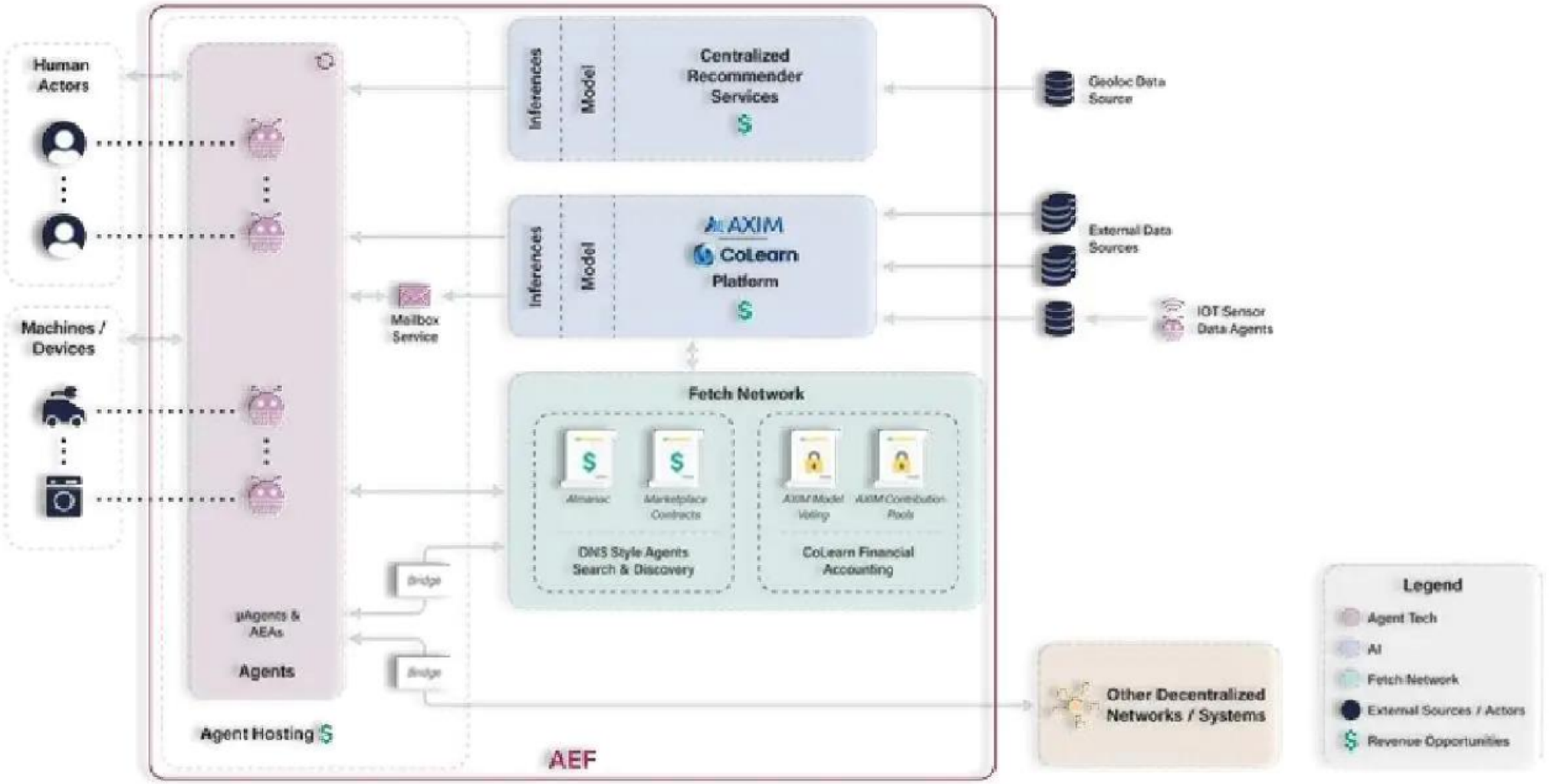
Fetch.ai Infrastructure



Agent Based Technology



Network - Building Blocks of Fetch.ai



Business Models

Consumers

- Pay nothing

Service Providers

- Agent owners pay for services consumed by their agents

Search & Discovery (S&D) for Agents

- Agents pays discoverability fee in FET token or fiat
- Discoverability fee is time bound; similar to a subscription service
- Marketplace / vertical based S&D with its own fees
  - Any organization or individuals can own marketplace S&D

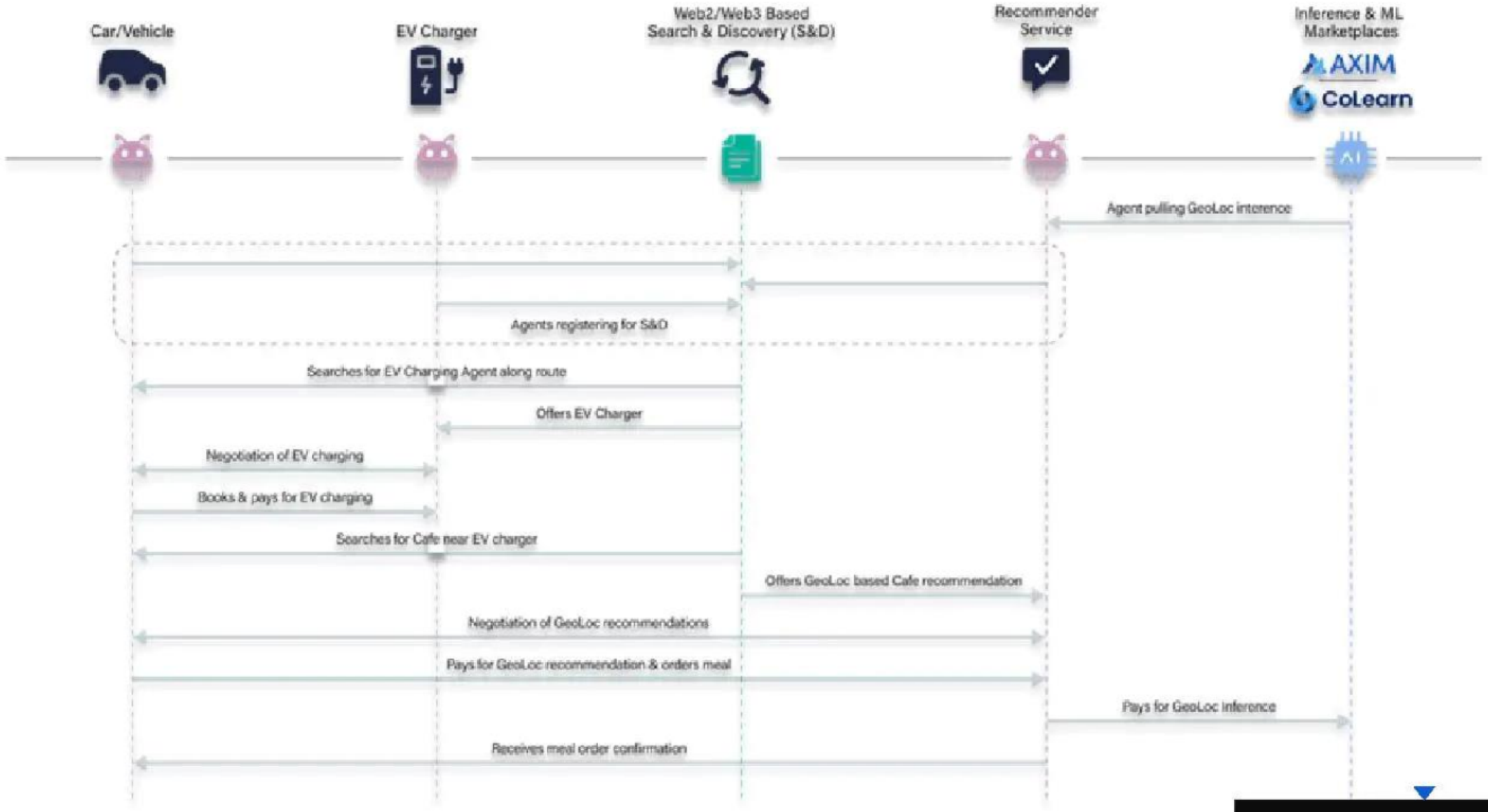
Data ⇒ ML ⇒ Inference: Marketplaces Chain

- Inference provider (agent) gets paid by inference consuming agent
- Data owners, ML model owners & ML model improvers get paid based on their contributions to upstream inferences

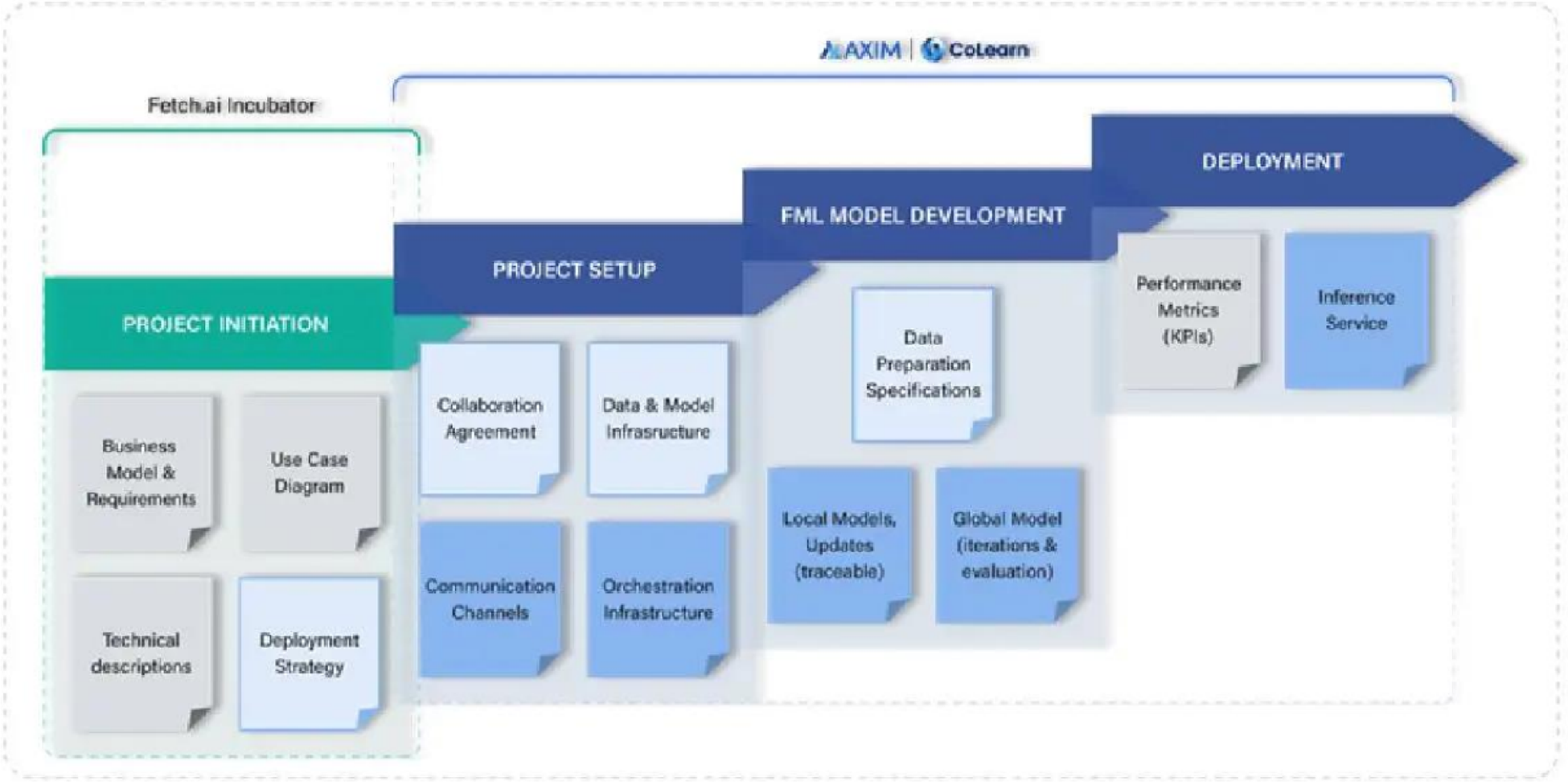
Agent Hosting

- Agent hosting using the mailbox feature offered as a paid service

Use Case - A New Agent Based Economy



Consulting: Project Incubation

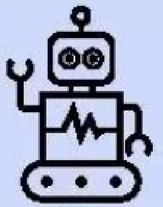


Feature comparison uagents / AEAs

	uAgents	AEA Framework
Structure / Software Pattern	Federated / Microservices	Monolithic
CLI	No	Yes
Language Portability	Python / *Dart / **Javascript / …	Mainly Python (*AEA Lite in Go)
Package Management	Native (PyPI / Pub / NPM /…)	AEA Registry
USP / Main Feature	Implementation Speed	Modularity / Composability

Upcoming Demos

Feature comparison uagents / AEAs



uAgents (micro-agents)

- Speed up implementation time
- Conceptual similarity with microservices for easy transition from Web2
- Interoperable with AEAs for more complex applications
- Easy portability to domain specific tech stack such as embedded devices

AI enabled from the start

- Leverages other Fetch tech such as Axim /CoLearn
  - Agents will be able to use inferences
  - Agents will be able to collaborate for ML model improvements
- Gym library integration for reinforcement learning

Blockchain ready

- uAgents & AEAs work with Fetch Network
- Can easily interface with other decentralized networks (AEAs already used as a bridge between Ocean and Fetch)

Feature comparison uagents / AEAs

Scale: ✓ - Poor to ✓✓✓✓✓ - Excellent

Feature	uAgents	AEA Framework
Learning Curve	✓✓✓✓✓	✓✓
Maturity	✓✓ (Prev 1.0)	✓✓✓✓ (Post v1.0)
Structure/Software Pattern	Federated / Microservices	Monolithic
CLI	No	Yes
Language Portability	Python /*Dart / **Javascript / …	Mainly Python (*AEA Lite in Go)
Package Management	Native (PyPI / Pub / NPM/…)	AEA Registry
Adoption by existing services	Easy	Involved
USP / Main Feature	Implementation Speed	Modularity / Composability

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