EvoLab

Self-Evolving Auto-Harness System for Scientific Research

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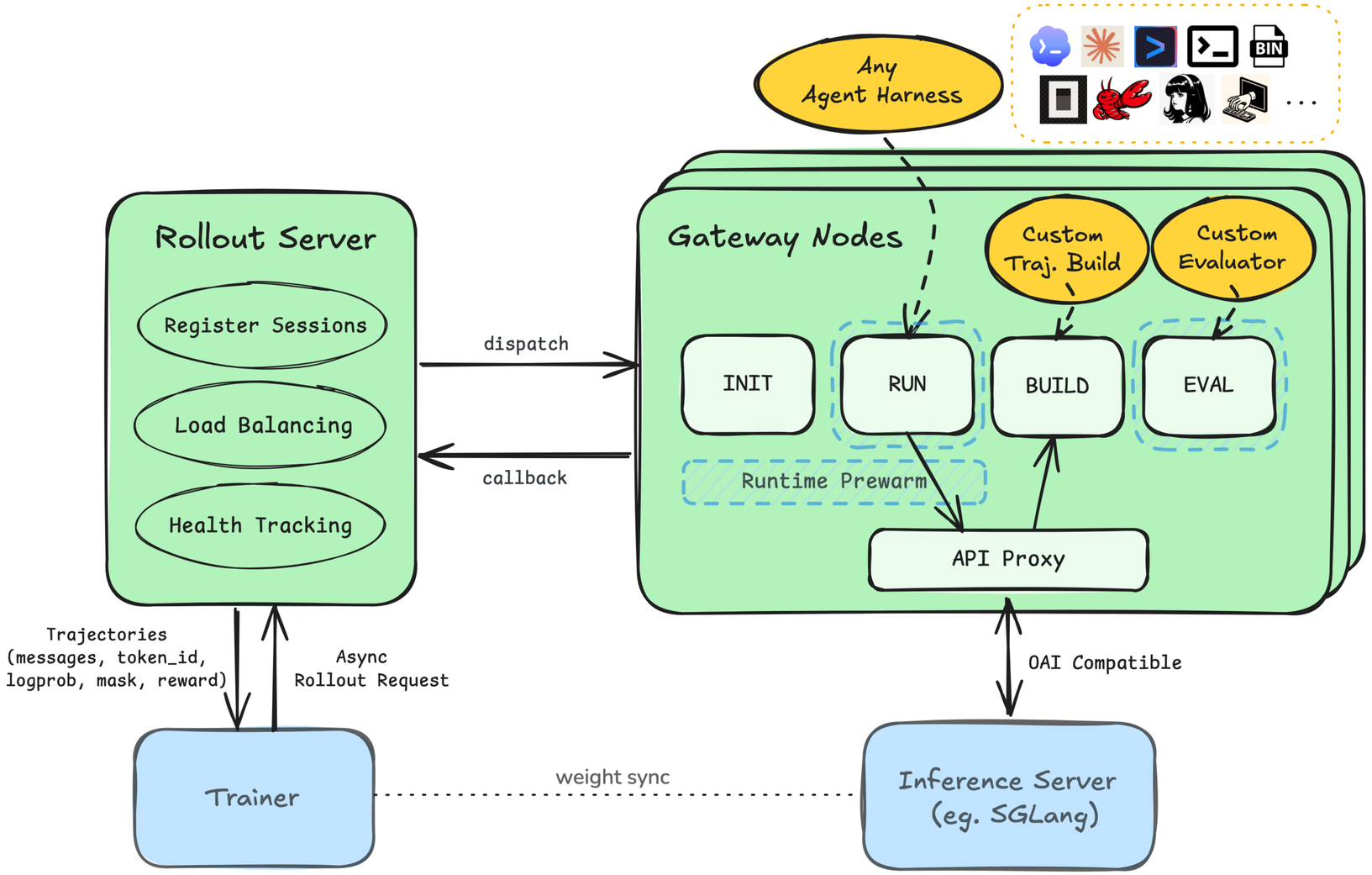
Architecture of EvoLab

In-Params Learning

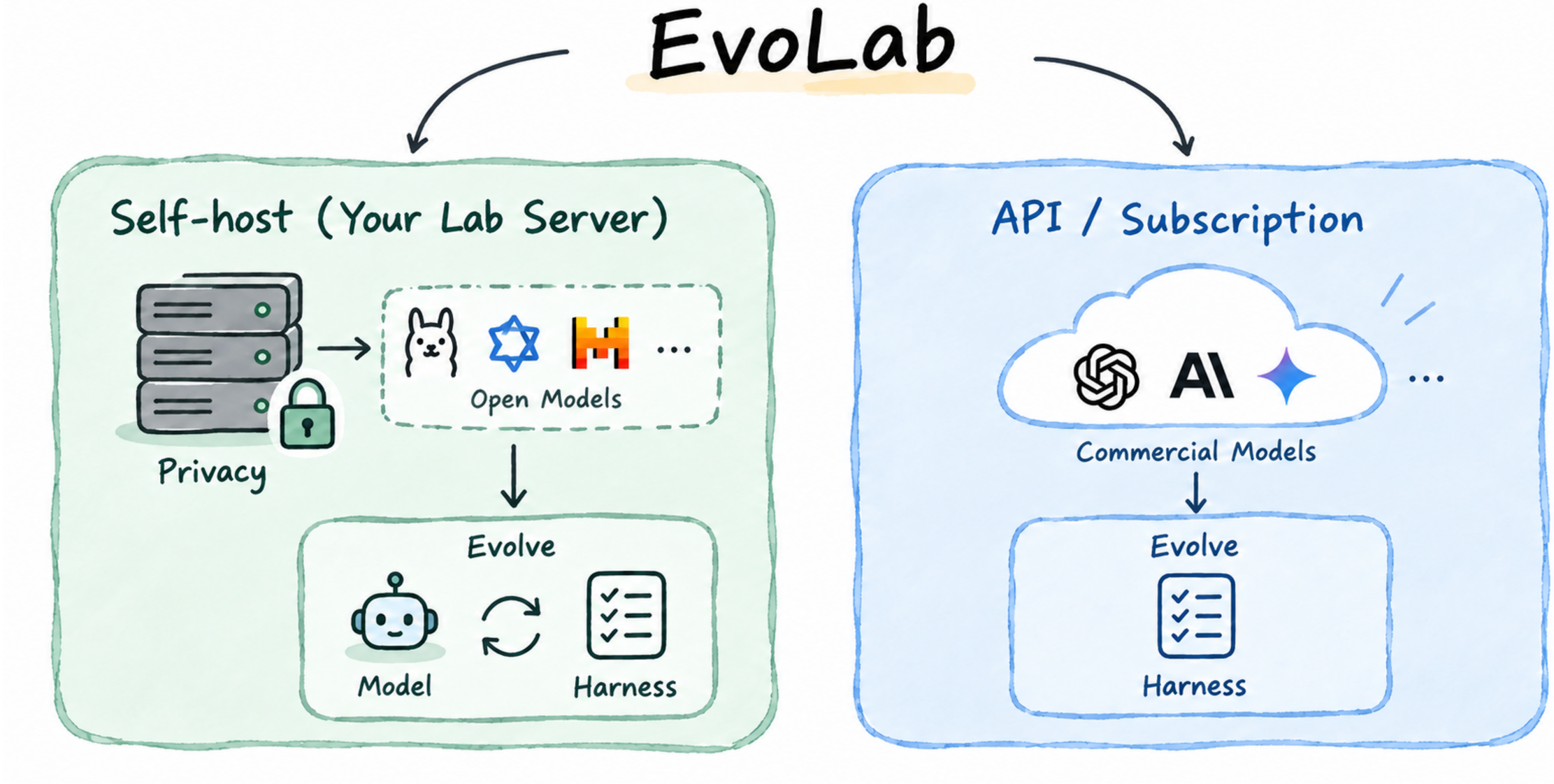
Paradigm	Methods
SFT	LoRA, SD-LoRA, etc.
OPD	OPD, OPSD, MOPD
RL	RLVR, LLM as Judge, RLHF

In-Context Learning

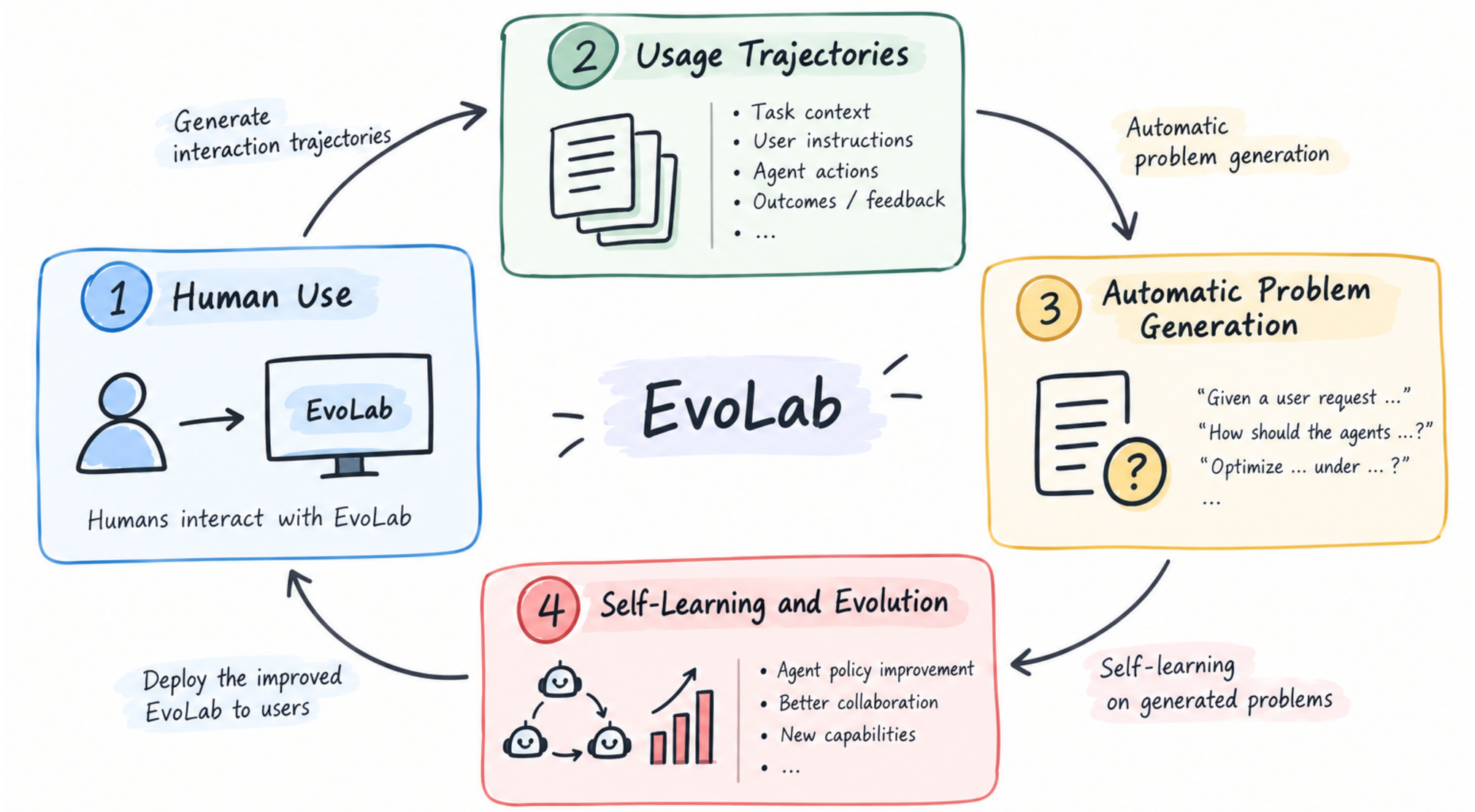
Paradigm	Methods
Agent System	GEPA
Textual Memory	ExpeL, MemEvolve, OpenViking
Skill Bundle	Trajectory-to-skill, Skill^2



EvoLab can be either *Private* or *Public*

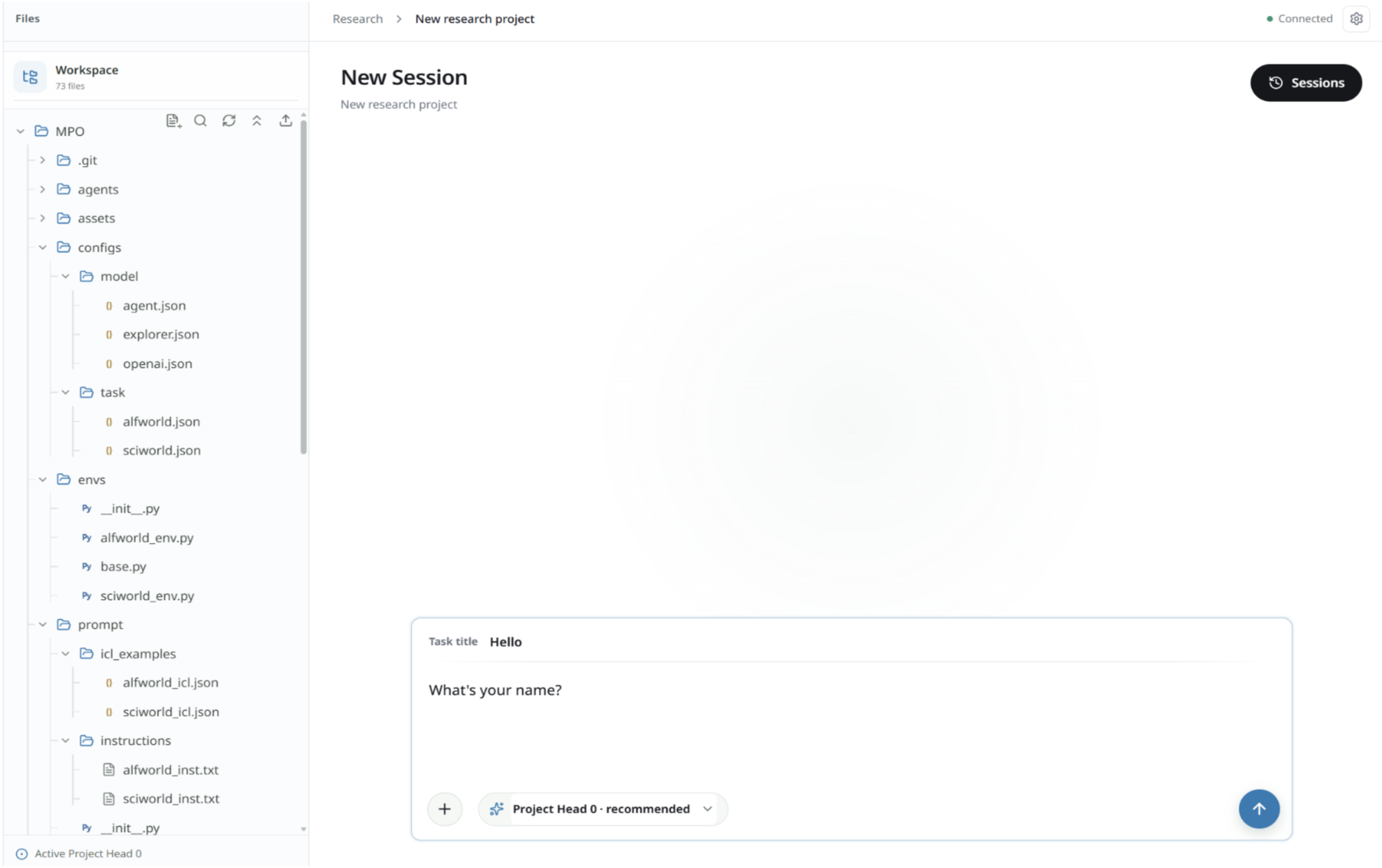


The *More* Use, the *Better* EvoLab Gets



EvoLab is Designed to be *Easy-to-Go*

1. Download the .exe or .dmg file
2. Open and Login
3. Enjoy your journey with EvoLab



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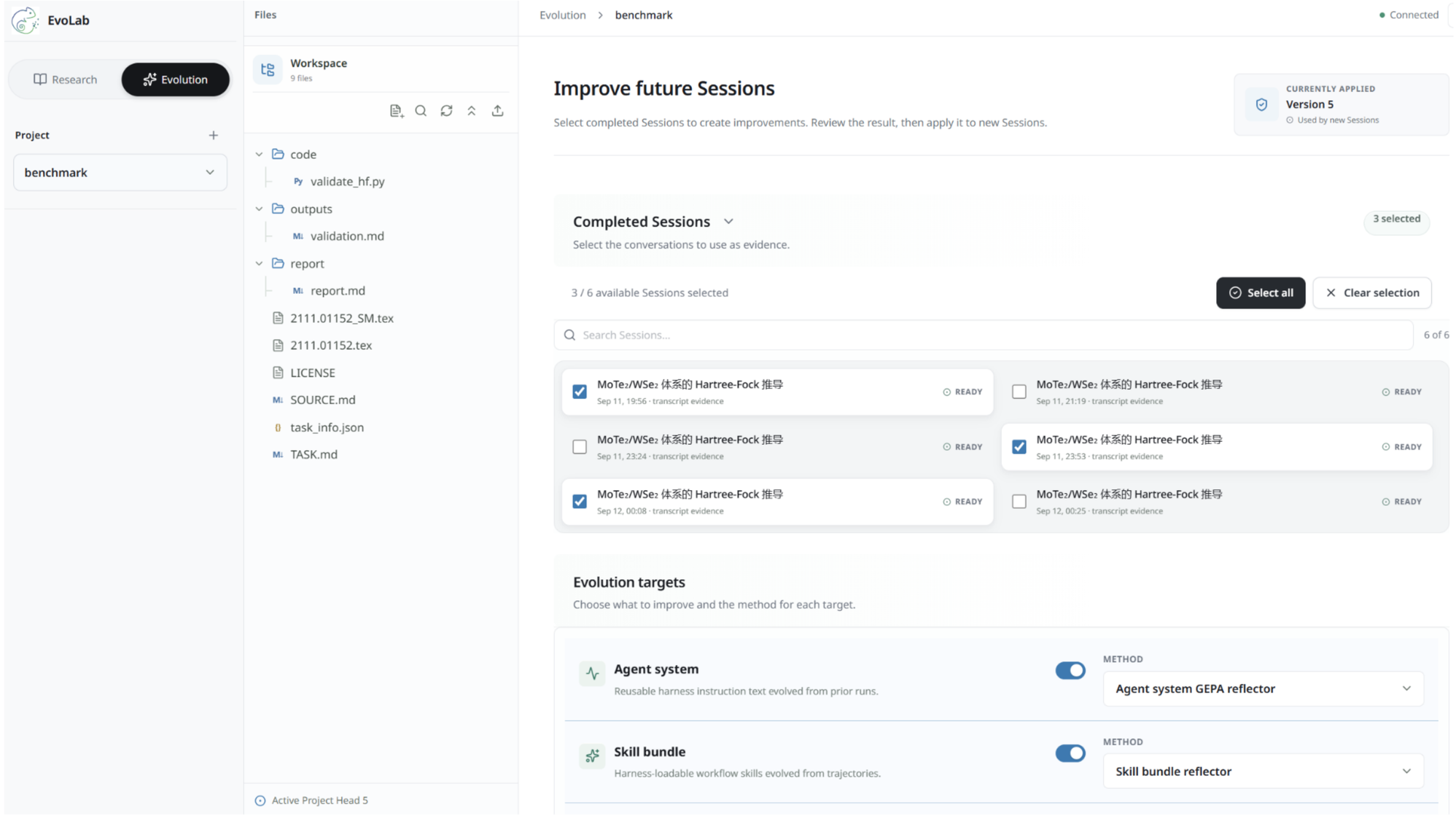

Ranking *1st* on ResearchClawBench

Leaderboard 2026-08-19 02:04:51 UTC

BY DOMAIN

SLIDE TO VIEW MORE DOMAINS

AGENT/LLM	OVERALL	SOURCE	ASTRONOMY	CHEMISTRY	EARTH	ENERGY
EvoLab GPT-5.5	32.7 $2.3 10m 19s	Community	44.8 $1.5 6m 30s	27.5 $3.9 17m 14s	29.8 $2.1 9m 08s	33.9 $2.5 11m 16s
Quishi Engine GPT-5.5	30.2 $18 1h 07m	Community	39.6 $17 57m 53s	22.7 $29 1h 50m	26.7 $12 41m 58s	30.6 $15 30m 11s
InnoClaw GPT-5.5	28.8 $7.1 31m 35s	Community	41.6 $3.5 15m 35s	18.0 $6.3 27m 53s	27.6 $3.4 14m 58s	30.4 $24 1h 47m
AutoSciHub Codex GPT-5.6-Terra	25.1 $2.2 24m 32s	Community	36.8 $2.0 22m 38s	12.1 $2.3 25m 26s	21.7 $1.2 13m 23s	30.0 $2.5 27m 38s
Open Science Claude-Opus-4.8	22.8 $3.4 17m 11s	Internal	29.4 $2.4 12m 13s	9.8 $6.0 30m 07s	19.6 $1.9 9m 19s	18.4 $2.1 10m 20s
Claude Code Claude-Opus-4.6	21.5 $5.3 26m 15s	Internal	30.2 $2.3 11m 27s	9.3 $14 1h 09m	22.7 $2.3 11m 39s	21.7 $5.5 27m 30s

OVERALL	ASTRONOMY	CHEMISTRY	EARTH	ENERGY
32.7	44.8	27.5	29.8	33.9

32.7 $2.3 10m 19s

30.2 $18 1h 07m

28.8 $7.1 31m 35s

25.1 $2.2 24m 32s

22.8 $3.4 17m 11s

21.5 $5.3 26m 15s

Evolving on *Real Research* Problems



Thanks

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