

Weekly Progress Report (Jan 27 – Feb 02, 2026)

<https://github.com/anisanazim/ACIS-iChatBio>

What Did You Do?

- Restored `/species/imageSearch/{id}` endpoint with SpeciesImageSearchParams
- Added scope awareness to planning prompt (ALA provides vs doesn't provide)
- Implemented out-of-scope query handling (IUCN status, genetic data, etc.)
- Code cleanup: removed duplicate imports, replaced print() with logging
- Fixed relative date calculations by passing current_date to parameter extractor
- Added parameter resolver logic to skip LSID resolution for ecological/broad terms
- Attempted to enable broad taxonomic/ecological searches (marine, coastal, birds, etc.)

What Problems Are You Facing?

- Parameter extraction returning empty params for marine/broad queries despite prompt updates
- LLM understands queries (correct artifact descriptions) but returns `params: {}`
- Temporal comparison queries (before/after year X) still unresolved - faceting conflicts with year filters
- Need to debug why instructor/Pydantic is rejecting LLM parameter extraction

What New Capabilities Does Your Agent Have?

- Gracefully handles out-of-scope queries with helpful explanations
- Proper logging infrastructure (logger.warning, logger.error)
- Supports relative time queries ("last 5 years" calculates from current date)

What Will You Do Next Week?

- Debug and fix parameter extraction issue for broad taxonomic queries
- Systematically test all workflows in AGENT_TEST_QUERIES.md
- Will finish documenting working vs problematic query patterns