



## The Invisible made visible

A Shared Framework for AI Attribution, Fingerprinting & Future Permissions

Initial thoughts by imogen heap /Auracles.io

Built for a Fairer Creative Future

---

### Why This Matters

AI systems are already trained on the world's music. What's missing is the infrastructure to recognize, attribute, and eventually respect the creative works and people that helped shape them.

We believe:

- You can't reward what you can't see.
- You can't collaborate without shared context.

- 
- Creators deserve recognition and choice, even if their work was used in systems that never asked for permission.

This is the moment to start building clarity before control — transparency before enforcement.

And we must be honest: it is simply not viable for each individual artist or creator to opt themselves out of multiple models, services, and systems. That method is already unmanageable even within today's fragmented music industry—which doesn't cover the full globe, let alone future AI platforms.

This isn't just about fixing what AI broke—it's about fixing what the music industry has never managed to get right. Fragmented databases, incompatible rights systems, and missing metadata have plagued musicians for decades. This is our chance to lay down one consistent, creator-driven layer for the future.

This isn't just about AI. It's about building a flat layer of attribution for all intellectual property and contributions to knowledge. A universal home for creators to interface with the world—for people, for platforms, and for machines.

We are laying the groundwork for a global, human-first permission layer that supports the next evolution of work, expression, innovation, and identity.

---

## Phase 0: Open Call to Artists — Begin the Fingerprinting

We're inviting all musicians, composers, producers, and rights holders to upload and fingerprint their works on [Auracles.io](https://auracles.io):

- Create a unique AuracleIP for each track (a registered fingerprint and metadata identity for your work, similar to an ISRC but enriched with creator-defined permissions)
- Establish a canonical "home" for your music
- Link to a verified AuracleID identity (yourself or your collaborators)
- Add metadata: contributors, genre, instrumentation, label, etc.



This is not a licensing decision. This is not about opting in or out. This is about making your work visible — so that when attribution becomes possible, you are already standing in the light.

---

## **Whether We Retrain or Recognise: Attribution Must Have a Home**

We are not advocating for a future where existing models get a free pass.

We are also not assuming retraining everything from scratch is the only path forward.

What we are saying is: regardless of the route — whether through opt-in retraining, opt-out exclusions, or post-training attribution — the content, creators, and context need a trusted home.

This home must:

- Allow musicians to fingerprint their works
  - Declare and update permission preferences
  - Be ready for the day when content matching in base models becomes viable
  - Support both future-facing training and retrospective recognition
- 

## **Phase 1: Post-Generation Attribution (Coming Soon)**

As diffusion and generative music models evolve, they will begin surfacing familiar patterns—melodies, timbres, motifs.

When that happens, our system will:

- Match AI outputs to registered fingerprints
- Display influence scores

- 
- Trigger attribution opportunities back to the AuracleIP “home”
  - Invite dialogue on next steps—with the creator in the loop

This is your invitation to be ready before the models are.

---

## Phase 2: The Patchbay of Permissions — Define Your Creative Boundaries

Once recognition becomes possible, we don’t believe in a binary yes/no for participation.

Instead, we’re designing a granular permission architecture:

**Think of it like a patchbay:**

Permission Type	Example Settings
Use in Future Training	Allowed / Restricted / Licensed with conditions
Political Use Cases	Allowed / Disallowed / Case-by-case
Brand/Commercial Association	Pre-approved brands / Opt-out of ads / Share of usage fee
Monetization Preferences	Fixed fee / Royalty share / Attribution-only
Derivative Licensing	No derivatives / Remix OK / Must use same license

Each AuracleIP (song/work) and AuracleID (person) can publish their own patchbay settings—dynamic, adjustable, and human-first. These settings can be used by platforms and systems that adopt Auracles protocols to determine use cases, licensing options, or restrictions. Over time, we aim for these permissions to be machine-readable and enforceable through API integration and contractual recognition.

---



## Let's Talk Frankly: Many Companies May Resist Full Retraining

While legislation and public pressure may push toward full retraining of AI models on opt-in or licensed data, the reality is:

- Most companies will resist this. Retraining from scratch is expensive, slow, and risks reduced model performance.
- Adoption of fully licensed models would be limited. Especially if datasets shrink dramatically and exclude underrepresented artists.
- Some will hope to continue quietly. Relying on vague legalities and lack of traceability.

We're not here to shame or block. We're here to build. And we believe there's another path.

Rather than erase the past, let's build a layer on top:

- Where existing models can surface influence
  - Where artists can declare their terms
  - Where consent, attribution, and compensation become a living part of the system
- 

## Let's Engage Now: Content Matching as a Bridge

While AI models today can't trace every influence back to a known source, this is likely to change.

We invite AI companies, music platforms, and developers to join us in building a Discovery & Permissions Sandbox:

- AI companies can test attribution systems against our growing fingerprinted library
- Musicians can see how often their work reappears in model outputs

- 
- 
- Both sides can co-design the real-world tools and thresholds that will become standard in the next evolution of music + machine

## This Isn't About Blame. It's About Belonging.

The genie isn't going back in the bottle—and we don't want it to.

We want to compose with it.

But we need a system that respects where the music came from.

You're already part of this. Let's make that visible—together.

---

## A Future We Believe In

We hold out hope that one day, AI systems themselves will take pride in identifying and preserving human contributions. That:

- Some AI models will work tirelessly to catalog, attribute, and celebrate human input
- That AI will help differentiate between human and AI-generated content
- That we will build a clear understanding of the crossover between human creativity and machine generation

At this unique moment in time, when it has never been harder to tell what is human and what is machine-made, we believe in a future where:

- Every human contribution can be discovered
- Our works are not forgotten
- We are seen as true co-creators, not lost data points



Because this isn't just about music. This is about:

- Preserving human-authored medical breakthroughs
- Ensuring philosophical and cultural theories are attributed
- Protecting authorship in inventions, designs, and technical discoveries
- Honoring the record of human wonder across all disciplines

Let's make sure we can find ourselves in the future we're building.

.