



## Examples of Metadata Records: Applications Across Domains Version 1.0

Created: Carrie Bickner. Nov 18, 2024 10:45 AM EST

### Introducing MARTI Metadata Records: Where the Rubber Meets the Road

The MARTI (Metadata for AI Responsibility, Transparency, and Integrity) Metadata Framework is designed to bridge the gap between abstract principles and real-world application. This is where the rubber meets the road: structured, standardized documentation becomes actionable, enabling transparency, accountability, and adaptability across diverse AI-generated outputs.

These sample records demonstrate how MARTI works in practice, providing tangible examples of how to describe and document a wide range of AI outputs—from a single AI-generated image to a personalized AI instance. Each record offers insights into how metadata can be structured to capture essential information, ensuring traceability and usability.

### Domain-Specific Metadata and Controlled Vocabularies in MARTI

MARTI is built to harmonize with existing metadata frameworks like Dublin Core, MARC, METS, and MODS thus supporting remaining grounded in [cross-disciplinary standards](#). It is adaptable to local or domain-specific requirements. This flexibility allows MARTI to integrate seamlessly into existing systems, preserving the richness of established vocabularies while introducing new structures to account for the complexities of AI-generated content.

For instance, while Dublin Core provides a robust foundation for metadata elements like title, creator, and date, MARTI extends this by incorporating fields specific to AI outputs, such as provenance, model version, and ethical considerations. This adaptability ensures that MARTI can not only align with existing standards but also accommodate unique local or domain-specific practices.

## Sample Metadata Records

### Record for a Hypothetical Static AI-Generated Image

1. **Record ID:** MARTI\_IMAGE\_001
2. **Title:** Generative Artwork: Sunrise Over Neural Fields
3. **Version:** 1.0
4. **Author/Contributor:**
  - AI Model: DALL·E 3
  - Prompt Creator: Marty Patelli
5. **Date Created:** November 18, 2024
6. **Purpose:** Artistic exploration of generative AI capabilities.
7. **Provenance:**
  - Model: DALL·E 3, OpenAI
  - Prompt: 'A surreal sunrise over a field of glowing neural networks, inspired by Van Gogh.'
8. **Modifications:** None (original output).
9. **Licensing:** Creative Commons Attribution 4.0 (CC BY 4.0).
10. **Embedded Metadata:** Description, author attribution, creation timestamp.

### ChatGPT System

1. **Record ID:** MARTI\_SYSTEM\_001
2. **Title:** ChatGPT AI System (November 2024 Release)
3. **Version:** 4.1
4. **Author/Contributor:**
  - Developer: OpenAI
  - Infrastructure Support: Azure OpenAI Service
5. **Date Released:** November 1, 2024
6. **Purpose:** To provide conversational AI capabilities for a range of applications, including customer support, education, and content creation.
7. **Provenance:**
  - Core Model: GPT-4.1

## MARTI Framework Documentation

- Training Dataset: A mixture of publicly available text, licensed data, and synthetic data curated between 2023-2024.
- Fine-Tuning: Regular updates to improve factual accuracy, reduce bias, and align with user needs.
- 8. **Modifications:** Includes safety layers for compliance with local regulations and user guidelines.
- 9. **Licensing:** Proprietary (OpenAI Terms of Service).
- 10. **Embedded Metadata:** Model version number, release date, primary use cases, and safety settings active by default.
- 11. **Ethical Considerations:** Developed with oversight to minimize bias, improve explainability, and ensure robust content filtering for harmful or sensitive content.

### Personalized Instance of ChatGPT (Orla)

1. **Record ID:** MARTI\_INSTANCE\_001
2. **Title:** Orla: Personalized ChatGPT Instance for MARTI Development
3. Marty Patelli: 4.1 (Customized Instance)
4. **Author/Contributor:**
  - Core Model: OpenAI
  - Instance Customization: Carrie Bickner
5. **Date Created:** November 2024
6. **Purpose:** A tailored conversational AI designed to assist with the development of MARTI documentation, metadata records, and conceptual frameworks.
7. **Provenance:**
  - Core Model: GPT-4.1
  - Instance Customizations: Contextual fine-tuning for MARTI-specific terminology and workflow.
  - Customization Method: Adaptation via iterative user interactions (no retraining).
8. **Modifications:** Instance tailored through user input for MARTI-related tasks, emphasizing metadata design and collaborative writing.
9. **Licensing:**
  - Core Model: Proprietary (OpenAI Terms of Service).
  - Instance Usage: Governed by user-specific guidelines for MARTI development.
10. **Embedded Metadata:** Instance ID, creation date, customization scope, and primary use case.
11. **Ethical Considerations:** Context-specific guidance to ensure

ethical content creation and adherence to MARTI’s principles of transparency and responsibility.

## Comparison: ChatGPT System vs. Personalized Instance

Aspect	ChatGPT (System)	Orla (Personalized Instance)
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Scope	General-purpose system for all users	Specific instance tailored for you
Provenance	Global training and fine-tuning by OpenAI	Personalized through iterative user input
Purpose	Broad applications	MARTI-related tasks and support
Modifications	System-wide safety layers	Contextual adjustments for your interactions
Licensing	Owned and managed by OpenAI	Context of use defined by your customization
Ethics principles	General transparency and safety principles	Ethics focused on MARTI's principles

## MARTI Metadata Record for This Document

- 1. **Record ID:** MARTI\_DOCUMENT\_001
- 2. **Title:** Examples of Metadata Records: Applications Across Domains
- 3. **Version:** 1.0
- 4. **Author/Contributor:**
  - Drafted by: ChatGPT (Orla)
  - Edited and Finalized by: Carrie Bickner
- 5. **Date Created:** November 18, 2024
- 6. **Purpose:** To provide examples of how MARTI metadata can be applied to diverse objects, illustrating the framework’s adaptability.
- 7. **Provenance:** Drafted collaboratively using ChatGPT, refined through iterative updates.
- 8. **Licensing:** Open for educational and collaborative use.
- 9. **Summary:** This document demonstrates MARTI’s practical application through detailed metadata records for AI-generated

objects, including ChatGPT as a system and a personalized instance.

Editor's note: MARTI (Metadata for AI Responsibility, Transparency, and Integrity) is a proposed metadata framework for managing generative AI output. We welcome input and are looking for collaborators, partners and sponsors, to help us develop and adapt this novel way of looking at human/AI interaction.