

# AI TALENTS ASGMT#4



**Cross-functional AI Operations Center of Excellence (CoE) for OZEAON**



01.

## THE ROLE OF THE OZEAON FOUNDATION

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## ORGANISATIONAL STRUCTURE OF THE AI OPERATIONS CoE

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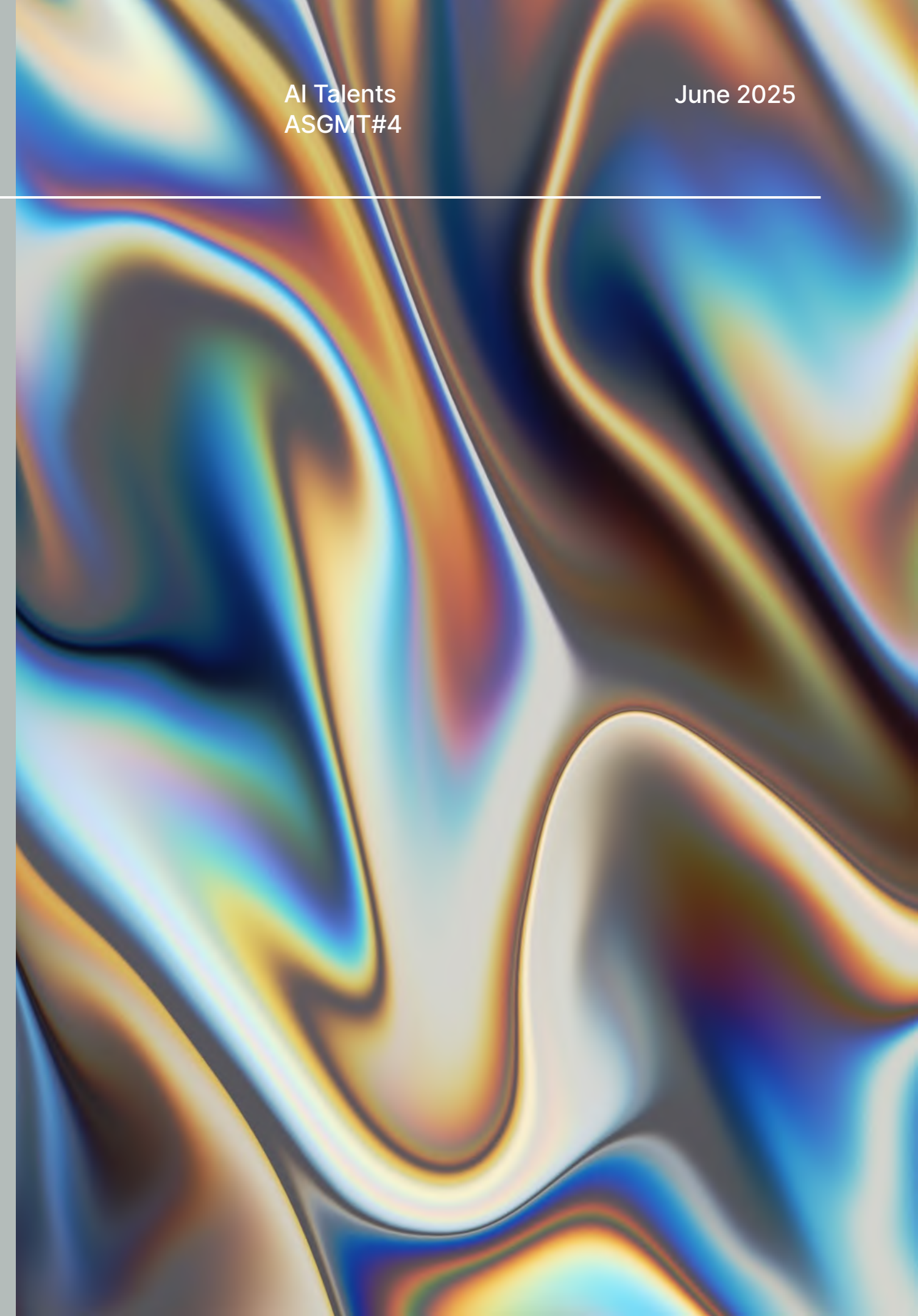
## CORE FUNCTIONS & SERVICES PROVIDED

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## KPI FRAMEWORK & CONTINUOUS IMPROVEMENT FOR OZEAON AI CoE



# THE ROLE OF THE OZEAON FOUNDATION

01

## ABOUT THE FOUNDATION

The OZEAON Foundation is the ethical and strategic oversight body of the OZEAON platform. It governs platform values, safeguards regenerative and scientific integrity, and supports transdisciplinary collaboration across the climate-ocean-technology nexus.

02

## AI OVERSIGHT MISSION

At the heart of the Foundation's governance is the **AI Operations Center of Excellence (CoE)** — tasked with ensuring all AI systems uphold transparency, inclusivity, scientific rigour, and climate justice.

03

## INTEGRATION

The CoE is embedded into the Foundation's operational and strategic framework and works closely with DAO Pods, researchers, designers, data contributors, and funding stakeholders.

# ORGANISATIONAL STRUCTURE OF THE AI OPERATIONS CoE

**Mission:** To support regenerative development and open science through trusted, ethical, and participatory AI systems, enabling intelligent data use across projects, research, and community governance.

**Main Focus:** Development and oversight of OZEAON's **AI-Powered Climate Intelligence Layer**—a system designed to process, interpret, and deliver actionable insights from scientific, community, and environmental data to support sustainable decisions at scale.

## CORE ROLES & REPORTING LINES

- **Chief AI Officer (CAIO):** Reports to the OZEAON Foundation Board; leads CoE
- **AI Ethics & Commons Lead:** Ensures alignment with sustainability, open access, and Web3 ethics
- **Climate Intelligence Data Scientists:** Build models related to regenerative projects, carbon, biodiversity
- **MLOps Engineers:** Deploy models for use in dashboards, DMRV, and platform tools
- **Progress & Use Case Coordinator:** Tracks AI needs across Pods (DAO working groups)
- **Community Liaison Officers:** Embedded in ocean/climate/local knowledge groups to ensure inclusion

## COLLABORATION MODELS

- Pods collaborate with the CoE on proposals and feedback cycles
- Transparent governance via DAO forums, CoE open meetings
- Agile task forces for prototyping AI tools (e.g. scientific summary engine, IP-NFT scoring models)

# CORE FUNCTIONS & SERVICES PROVIDED

- AI Strategy for Climate & Regeneration Goals
- Open Science Integration & Knowledge Graph Modelling
- Tooling for DAO Governance, Voting & Reputation Systems
- Explainability in Project Evaluation, IP Curation, and Funding
- Ethics Layer: Bias auditing and decision traceability
- Support for Digital MRV and Tokenomics Simulations
- AI Literacy Programs for creators, scientists, and communities
- **Climate Intelligence Layer Deployment:** Processing ecosystem service data, surfacing regenerative project opportunities, and providing predictive insights for ocean-climate, biodiversity, and circular economy use cases



# IMPLEMENTATION ROADMAP

01

## FOUNDATION

- Form AI CoE under The OZEAON Foundation
- Identify aligned stakeholders, DAO Pods, and initial AI tool concepts (e.g. IP summariser)
- Draft community-aligned AI charter

02

## ACTIVATION

- Launch pilot tools: scientific summary engine, project insight layer
- Deploy Progress token simulation model
- Host DAO-wide discussion on ethical AI standards

03

## EXPANSION

- Integrate AI tools into project evaluation and funding workflows
- Launch AI + regenerative learning tracks on the platform
- Publish open models and code via Commons
- Begin deployment of the Climate Intelligence Layer with curated datasets

04

## MATURITY

- Continuous monitoring and feedback across Pods
- AI CoE acts as research, strategy, and audit node
- Full Climate Intelligence Layer powering ecosystem service forecasting and DAO support

# KPI FRAMEWORK & CONTINUOUS IMPROVEMENT FOR OZEAON AI CoE

01

## ORGANISATIONAL KPIs:

- % of DAO proposals supported by AI insights
- Time reduction in scientific and project summaries
- Engagement rate with AI educational resources
- Model bias audit completion rate
- DAO sentiment and transparency feedback metrics
- Accuracy and usability of Climate Intelligence predictions

02

## CONTINUOUS IMPROVEMENT PRACTICES:

- Quarterly open audit & reflection sessions with the community
- Cross-Pod CoE learning and feedback loops
- Open publishing of retraining logs and update notes
- Governance-layer AI improvement proposals (AIPs)

# FLOWCHARTS AND SYSTEM ARCHITECTURE DIAGRAMS



AI Powered Climate Intelligence Layer Operations





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01. **WHAT IS A FLOWCHART?**

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02. **WHAT IS A SYSTEM ARCHITECTURE  
DIAGRAM?**

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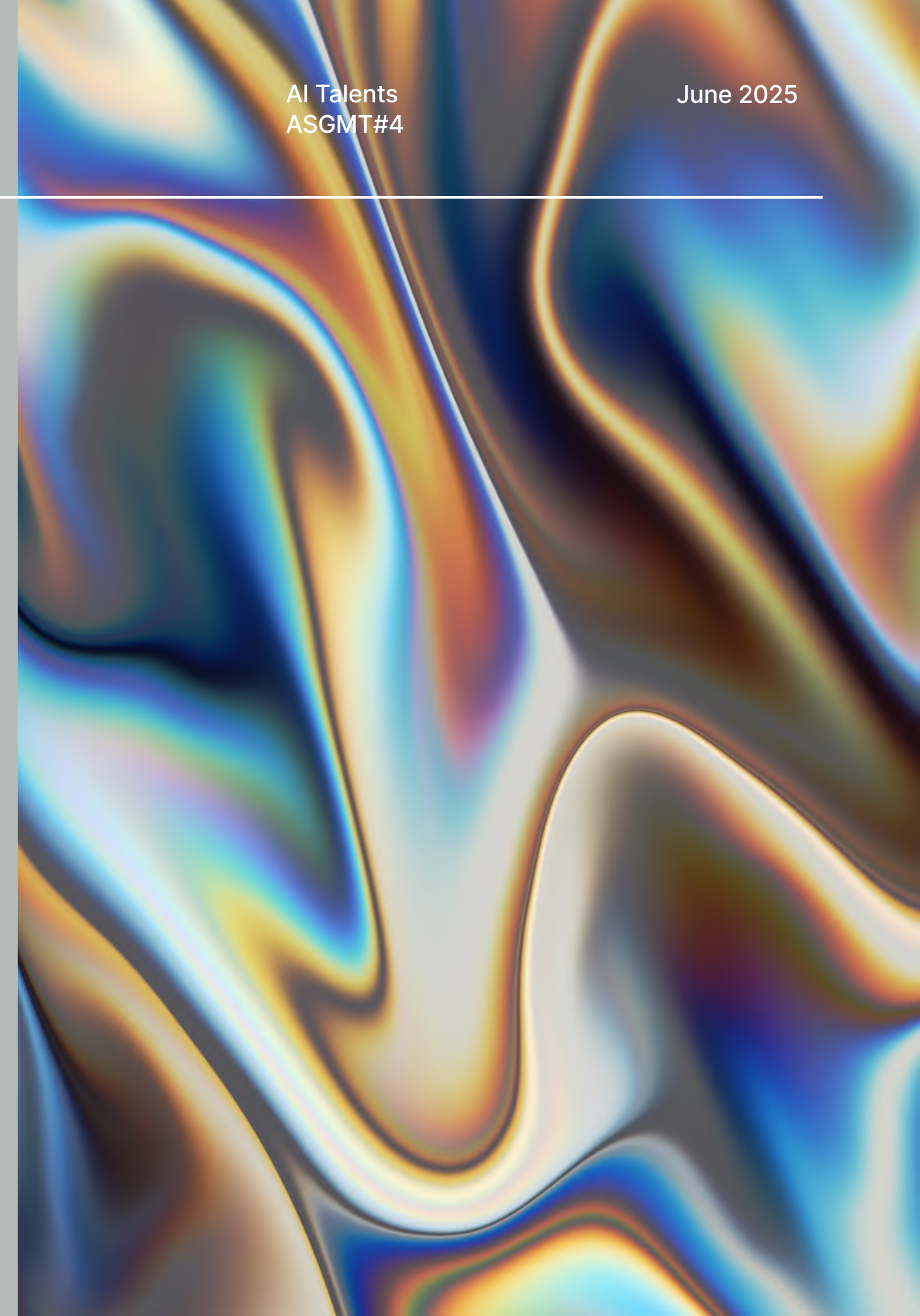
03. **APPLIED DESIGN – CLIMATE  
INTELLIGENCE LAYER: FLOWCHART**

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04. **APPLIED DESIGN – OZEAON'S AI  
LAYER: SYSTEM ARCHITECTURE**

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04. **CHALLENGES OF VISUAL TOOLS IN AI**



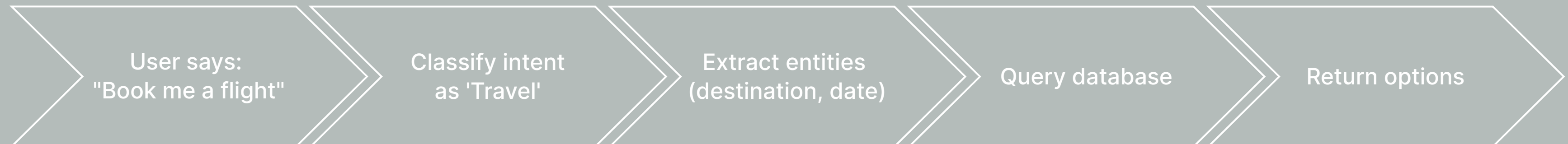
# WHAT IS A FLOWCHART?

A flowchart is a step-by-step visual diagram that maps out decision logic, processes, or algorithms. In AI, it clarifies how data is evaluated, how decisions are made, and where different paths are taken depending on inputs, thereby making AI systems more understandable to both technical and non-technical stakeholders.

## HOW DOES IT HELP IN UNDERSTANDING AI?

It helps deconstruct opaque systems into understandable parts, which is useful for debugging, explaining model behavior, and planning user interactions.

How a flowchart of an AI chatbot might look:



# WHAT IS A SYSTEM ARCHITECTURE DIAGRAM?

A system architecture diagram provides a detailed visual representation of how the various components of a system such as databases, AI models, user interfaces, application programming interfaces (APIs), and other backend services are interconnected. Illustrating the flow of data, the interaction between subsystems, the operational processes involved, and the underlying infrastructure that supports the system's functionality, scalability, and reliability.

## DIFFERENCE:

Flowcharts focus on *logic and decision paths*.

Architecture diagrams focus on system structure and interactions.

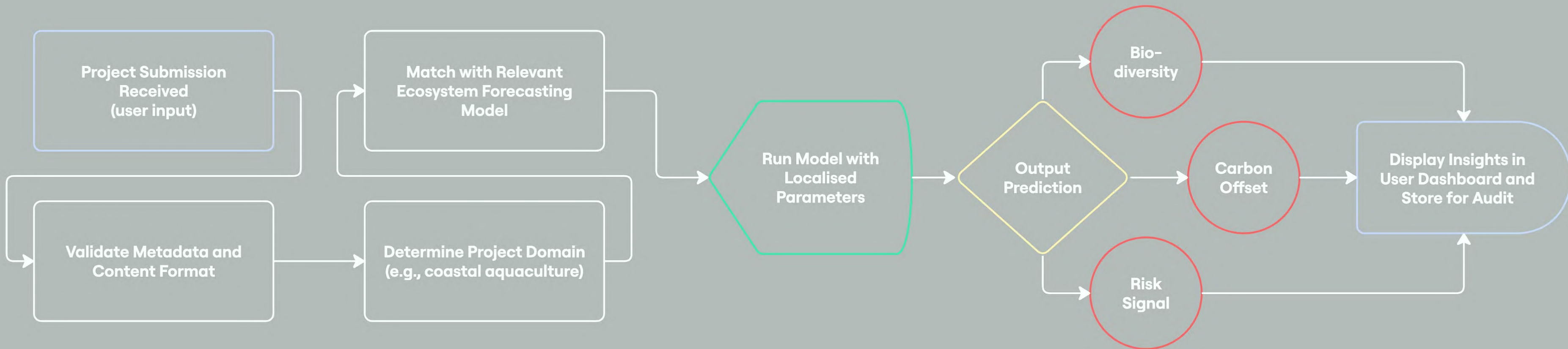
## HOW ARE ARCHITECTURE DIAGRAMS USED IN AI?

They help design, analyze, and scale AI systems by mapping data pipelines, processing stages, and system dependencies, which is critical for deployment, monitoring, and security.

# CLIMATE INTELLIGENCE LAYER: FLOWCHART

Use Case: How OZEAON's Climate Intelligence Layer decides which ecosystem model to run based on submitted project data.

## STEPS



# OZEAON'S AI LAYER: SYSTEM ARCHITECTURE

- Components**
- **User Interface (UI):** Web + mobile app for input and output
  - **Input Processing:** Submissions (Projects, Articles, IP)
  - **Data Layer:** Integrated Data Lake (community + scientific sources)
  - **AI Core:** NLP for scientific summaries, ML models for climate prediction, recommender engine
  - **Tokenomics Layer:** Progress simulation and DAO voting model
  - **Output Channels:** Platform interface, DAO dashboards, audit logs

## DATA FLOW

