

FathomVerse Press Kit

Fact Sheet

Developer

MBARI, Ocean Vision AI
Moss Landing, California

&ranj serious games
Rotterdam, Netherlands

Release Date

April 2024

Website

FathomVerse.game

Description

Cozy sci-non-fi: a video game designed to inspire a new wave of ocean explorers, FathomVerse teaches casual gamers about ocean life while improving machine learning models and expanding annotated datasets.

Features

- Play minigames to interact with real images collected by researchers and identify real ocean animals.
- Hone your identification skills and learn how to visually identify 40+ groups of ocean animals.
- Save your favorite images and curate a personal gallery.
- Unlock videos to expand the FathomVerse with more knowledge on ocean animals and deep dives on the mechanics of AI and machine learning
- Cycle through the Ocean Radio channels to shift the FathomVerse soundscape as you play.
- Be among the first to view images and potentially discover new species

Background

FathomVerse is a mobile game developed by Ocean Vision AI with the purpose of encouraging people to participate in ocean research and speeding up ocean discovery. Currently, the ocean exploration community is facing a major challenge, where less than 15% of the 300,000+ hours

of underwater videos collected by ocean researchers in the U.S. have been processed despite advances in imaging technology. Artificial intelligence (AI) has the potential to accelerate the analysis of ocean imagery, but the training process of AI models is extremely time-consuming.

To address this issue, Ocean Vision AI teamed up with game design experts, including &ranj Serious Games, to develop a unique mobile game that allows gamers and ocean enthusiasts to help train AI to identify ocean animals in a fun and engaging way. Playing FathomVerse is a concrete action that anyone can take to contribute to ocean discovery and assist the whole ocean community in studying marine ecosystems.

Credits

We'd like to thank the following individuals and organizations for their contributions to FathomVerse

MBARI
Monterey Bay Aquarium
CVision AI
&ranj Serious Games
Internet of Elephants
Barderry Applied Research LLC
Dingo Sky LLC

National Science Foundation
Schmidt Family Foundation

Mission Briefing Content

MBARI's Video Lab

Award Content

MBARI's Video Lab

Animal Illustrations

Kurtis Wothe

Labeled Data

FathomNet and contributors

Music

John Ryan (MBARI, hydrophone)
Eric Nardone and Beth Redmond-Jones (MBA, deep sea exhibit)
&ranj (score)

Beta Testers

Eric Albert, Laura Anderson, Kelsey Archer Barnhill, Madi Baird, Megan Barry, Sean W Brown, Allen Cheng, Riley Choi, Jack Dalton, Christina Des Rochers, Caroline Edmonds, Gisselle Farfán-Magaña, Katherine Farfán-Magaña, Tennyson Filcek, Davina Gifford, Alexander Graber, Micaela Johnson, Pat Lee, Caitlyn Left, Dennis Lieu, Alex Magaña, Vikram Mohanty, Christopher Nolan, Golnoush Pak, Lydia Rysavy, Heather Scott, Zuriel Silva, Aeryn Siu Lee, Gail Siu Lee, James Siu Lee, Josiah Terpstra, Ruben Van Pinxteren, Georgia Watson, Leander Weihs, Dane Whicker, Belinda Zhao

FathomVerse is a solution of [Ocean Vision AI](#)'s research and development program.