

# OpenTimelineIO

## ASWF Project Review 2026


OTIO Technical Steering Committee:

**Jeff Hodges - Alchemist**
**Darby Johnston - Grizzly Peak 3D**
**Joshua Minor - Pixar**
**Roger Nelson - Autodesk**
**Nick Porcino - Pixar**
**Eric Reinecke (chair) - Netflix**
**Stephan Steinbach - Pixar**


Assisted-by: Claude Code / Claude Sonnet 5.5

# Overview



- TSC & Committer Updates
- 2026 Themes
- Ecosystem Updates
- Scorecard & Looking Forward

# TSC & Committer Updates



Welcome!

## Darby Johnston

### Joins the Technical Steering Committee

- Top contributor the past two years
- Helped bring OTIO support to cineSync Play and Kdenlive
- Countless quality of life improvements in the C++ core

## Tim Lehr

### Joins as a Committer

- Led Dev Days prep for the past two years
- Shepherded AAF adapter support through a major upgrade
- Great community member

# 2026 Themes



- Modernization and cleanup (v0.18.0)
- Schema enhancements
- Interchange in practice

# Schema Enhancements



- v0.18.0
  - Per-track / per-clip color
  - Enabled flag on Effects
- On-Deck in main branch
  - Marker RGB colors
  - Enabled flag on Transitions
  - C++ otioz/otiod bundle support

# Schema Development

## Color Management



**Work in progress**

- An effort spearheaded by **Sam Richards**
- Identifies colorspaces and transforms in context of timeline hierarchy and informs color for various deliverables
- Not designed to replicate what OpenColorIO or ACES do
- Designed to work with OpenColorIO using concepts from the Color Interop Forum

# Schema Development

## Stream/Channel Mapping



**Work in progress**

- A MediaReference is an opaque file today
- No standard way to pick streams or channels: stereo “eyes”, 5.1 and stems, alternate languages
- Proposal, in three layers:
  - **Addressing:** locate a stream in the container
  - **Describing:** StreamInfo adds meaning (“left eye”, “center”)
  - **Selecting / mixing:** StreamSelector, StreamMapper, AudioMixMatrix on a Clip
- PR #2015: github.com/AcademySoftwareFoundation/OpenTimelineIO/pull/2015

# Interchange in Practice

## OTIO AAF Adapter v2.0.0

- Major rewrite of the reader code
- New writer features:
  - Media embedding, transcribe hooks
  - Clip color
  - Marker and data track roundtrip
- v2.1.0 coming soon
- Thank you Tim Lehr and Mark Reid!

## OTIOZ Core Support

- Single-file delivery of a Timeline and its referenced media
- Suitable for archival use cases
- Moved from Python to the C++ core, so all integrators can take advantage of it

## Export Evaluation (Netflix)

- Goal: can OTIO replace EDL for pulling the correct camera original media and frames?
- Tested across NLEs: 7 timelines, 109 clips

### WORKS WELL

- Timing was communicated more reliably in OTIO than in EDL, 100% of the time

### NEEDS WORK

- Reel / tape name and CDL need more consistent communication across implementations
- Format-level work in progress to address both: logging/source metadata and color management

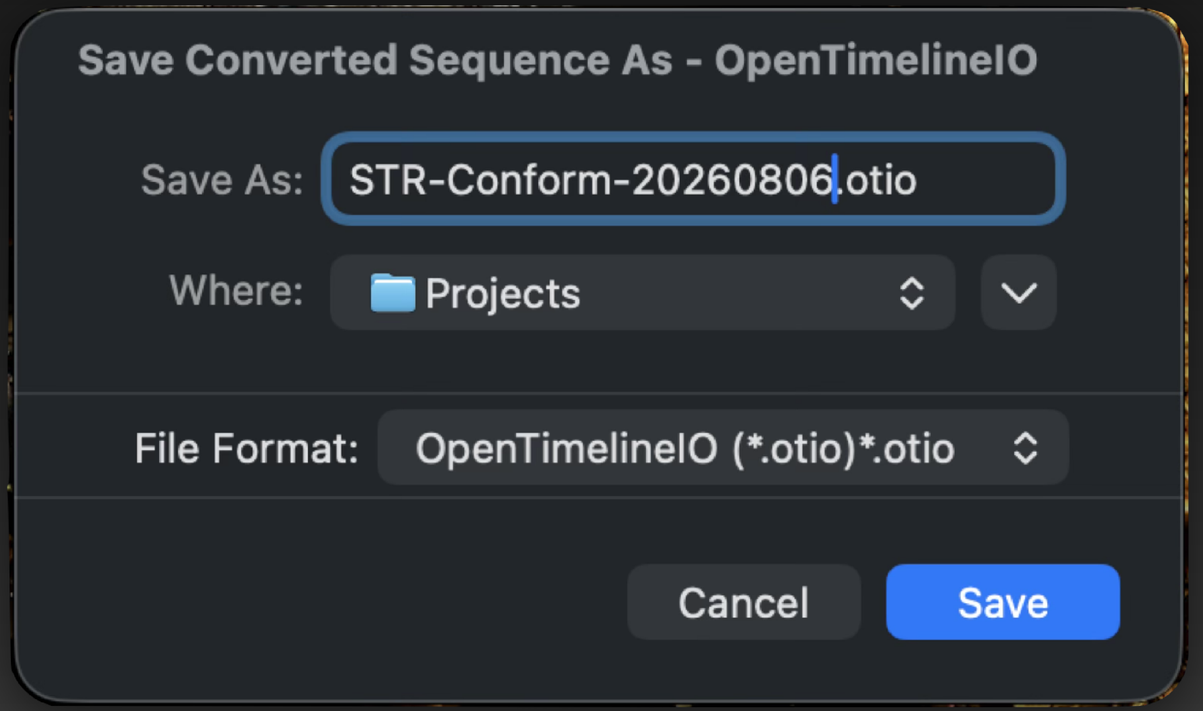
# Vendor Adoption

## Premiere Pro 2026

Released This Year!

OpenTimelineIO import/export



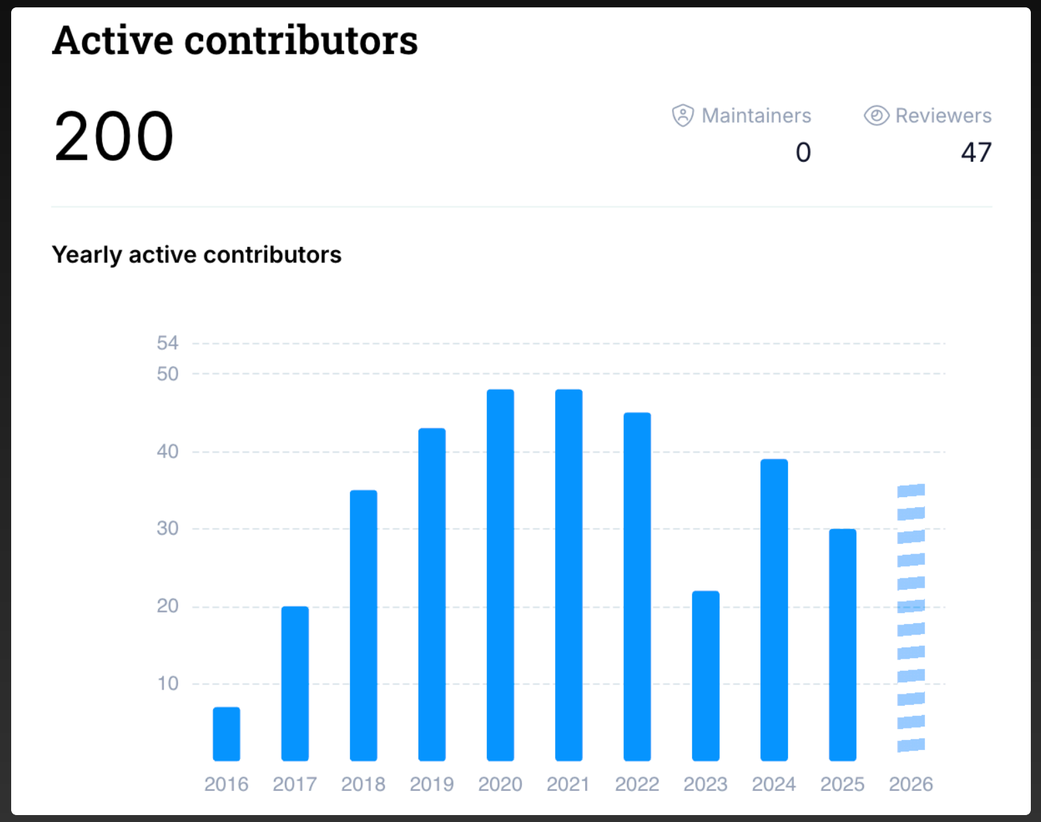



# Vendor Adoption

## Now shipping with native OTIO support

- Adobe: **Premiere Pro** Updated!
- Autodesk: **RV + OpenRV**
- Autodesk: **Flame**
- AVID: **Media Composer** Updated!
- Blackmagic Design: **DaVinci Resolve**
- Colorfront: **Transkoder**
- DNEG: **xStudio**
- Filmlight: **Baselight**
- Foundry: **Nuke Studio + Heiro**
- ftrack: **cineSync Play**
- RØDE: **RØDECaster Video Core**
- **Kdenlive**

# Contribution Health




## Active contributors · past 365 days

37 **+5 vs. 32 last period**

## Active companies · past 365 days

16 **+1 vs. 15 last period**

98 companies represented among contributors

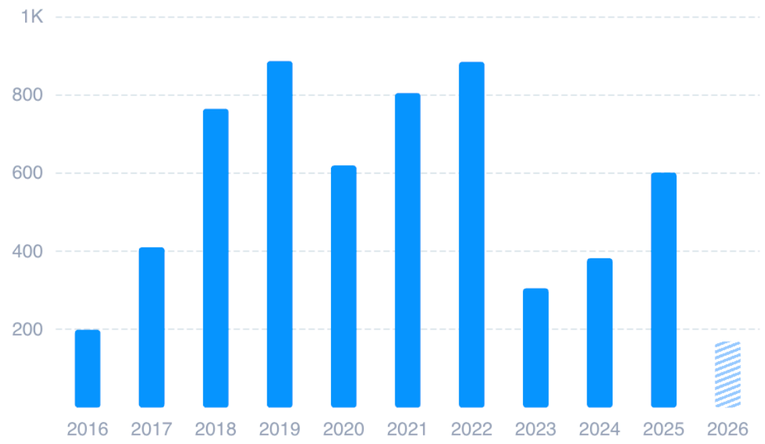
Source: LFX Insights · past 365 days (Nov 10, 2025 – Nov 10, 2026) · compared with the previous 365 days

# Contribution Health

## Commit Activities

6,023

**Yearly new commits**

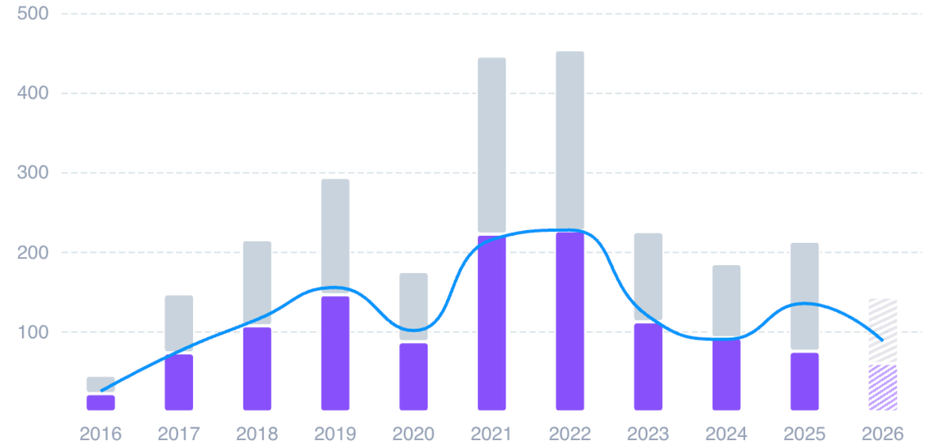



## Pull requests

Comparison between opened and merged (or closed) pull requests during the selected period. Learn more

Total pull requests performed

1,356




Past 365 days: 224 commits (−330 vs. 554 previous) · 91 pull requests (−45 vs. 136), 63 merged

Source: LFX Insights · past 365 days (Nov 10, 2025 – Nov 10, 2026) · compared with the previous 365 days

# Contribution Health

## Contributors leaderboard

| Contributor | Total contributions · change vs. previous 365 days |
|---|---|
| Darby Johnston | 233 - 31% **(−148)** |
| Joshua Minor | 209 - 28% **(+39)** |
| Eric Reinecke | 88 - 12% **(−38)** |
| Daniel Flehner Heen | 32 - 4% **(−6)** |
| Nick Porcino | 24 - 3% **(−38)** |
| Jean Francois Panisset | 18 - 2% **new in top 10** |
| Peter Targett | 14 - 2% **(−10)** |

Two contributors account for 59% of all contributions

Source: LFX Insights · past 365 days (Nov 10, 2025 – Nov 10, 2026) vs. Nov 10, 2024 – Nov 10, 2025

# Dev Days Contributions

## ASWF Dev Days 2026



- 9 issues and pull requests labeled devdays26
  - 4 issues filed (3 closed, 1 open)
  - 5 pull requests from 5 contributors; 3 merged
- Merged: Marker RGB colors · orphan range queries with null parents · fix 0 fps
- Dev Days work ships as features
  - 2025: per-track / per-clip color, now in v0.18.0
  - 2026: Marker RGB colors, in the next release

Source: GitHub issues and pull requests labeled devdays25 / devdays26 in AcademySoftwareFoundation/OpenTimelineIO

# AI-Assisted Contribution Policy



- Largely based on OpenImageIO's policy
- We loosened the disclosure requirements
  - We worried they might penalize good actors and wouldn't be effective against bad actors
- Already seeing some really good AI-assisted contributions

# What We Said We'd Do

## Scorecard against our 2025 review

| | |
|---|---|
| Calling ourselves 1.0 | PLANNED |
| Meet requirements for ASWF adoption | IN PROGRESS |
| Identify where EDL and ALE persist, and why OTIO isn't used instead | IN PROGRESS |
| Basic color pipeline modeling (CDL, LUT reference, colorspaces) | IN PROGRESS |
| Spatial transforms | OPEN |
| Input/output stream and channel mapping | PR OPEN |

# 2027 Focus



- 1.0 and ASWF graduation
- Deliver in-progress schema enhancement
  - Audio mixing / channel mapping **PR Open**
  - Color management **In Progress**
  - Logging metadata: tape/reel name, slate number **In Progress**
  - Delivery Targets **In Progress**
- Plugfest: OTIO interchange testing
- Publish "golden" reference files and media



# OpenTimelineIO