

Establishing Community Standards for Underwater Video Acquisition,
Tagging, Archiving, and Access
Community Workshop

Day 1 – June 1, 2016

8:30 - 8:45 Welcome, Intro & Objectives [Vicki, Dwight and Adam]

- Welcome/Intro [Dwight]
- [Objectives](#) [Adam]

8:45 - 9:15 [Pre-workshop Survey - Goals & Results](#) [Vicki]
Science Scenarios

9:15 - 10:30 **Plenary: Current State of Underwater Video Acquisition – End to End Facility Perspectives on Acquisition, Logging & Archiving**
[Moderator: A. Soule]

10 min - Presentations describing high-level video workflow from acquisition to archiving followed by ~20 minutes discussion

- [Scott McCue \[WHOI/NDSE\]](#)
- [Dwight Coleman \[Ocean Exploration Trust\]](#)
- [Sharon Mesick \[NOAA\]](#)
- [Reyna Jenkyns \[Ocean Networks Canada\]](#)
- [Ivar Babb \[NURTEC\]](#)

[~20 minutes for panel discussion at the end of the session].

10:30 - 10:45 ----- COFFEE BREAK -----

10:45 - 12:00 **Morning Breakout Sessions - Current Needs, Challenges & Opportunities**

>> [Preliminary Survey Results](#)

Topics:

- Acquisition Video Formats & Storage
- Workflows/Needs
- Video/Metadata Management & Access

Breakout Group 1*: Auditorium

- [NOTES](#) (editable by anyone)
- [REPORT](#) (viewable by anyone, editable by scribe)

Breakout Group 2: Hazard Room

- [NOTES](#) (editable by anyone)
- [REPORT](#) (viewable by anyone, editable by scribe)

Breakout Group 3: Small Conference Room

- [NOTES](#) (editable by anyone)
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**all remote participants will be in Breakout Group 1*

12:00 - 12:30 Breakout Session Report Outs & Discussion

12:30 - 1:30 ----- LUNCH BREAK -----

1:30 - 1:45 Intro to Afternoon Sessions

1:45 - 2:45

Plenary: Implementation – Enriching Video Content with Metadata, User Interfaces [Moderator: V. Ferrini]

5 min presentation on tools, annotation formats, and ‘flavors’ of metadata followed by 30min panel discussion

- [Vincent Auger \[ROPOS – IRLS\]](#)
- [Grace Lee \[NASA - xGDS\]](#)
- [Susan Gottfried \[NOAA\]](#)
- [Jon Howland \[WHOI/NDSF - FrameGrabber/VirtualVan\]](#)
- [Brian Schlining \[MBARI - VARS\]](#)
- [Vicki Ferrini \[OceanVideoLab\]](#)

2:45 - 3:15 ----- BREAK & NETWORKING -----

3:15 - 4:15 Plenary: Industry Perspectives on Video Acquisition, Storage and Access [Moderator: D. Coleman]

5min introduction on expertise followed by 30min discussion

- [Jeff Liedke \[ESRI\]*](#)
- [Willis Peligian \[Independent Video Contractor\]](#)
- [Bryan Staffaroni \[WWE\]](#)
- Ryan Kido [Disney]*
- Adam Kahan [AMC Networks]*

**remote participant*

4:15 - 5:00 ----- DISCUSSION -----

5:00 - 6:00 Tours of the ISC

7:00 Group Dinner at [The Coast Guard House](#)

Day 2 - June 2, 2016

8:30 - 9:00 Recap Day 1 - Summary of Needs, Challenges, Opportunities & Goals for Day 2

9-10:15 **Breakout Sessions: Developing Consensus**
3 Breakout Groups Each group will be given a list of topics to provide consensus statement about best practices and develop of prioritization of urgent and less urgent needs. Breakout groups will be provided with summaries of pre-workshop survey responses to consider during discussions.

>> [Preliminary Survey Results](#)

Topics:

- **Group 1: Video Recording**
 - File Naming Conventions
 - Video Formats
 - Compression
 - Storage Media
 - Telepresence
 - Other camera sources including topside video (Hand-held, GoPro, Drones)
 - Best practices for syncing time-codes and metadata
 - Guidelines/How-to Documents
- **Group 2: Archiving and Access**
 - Long Term Archiving
 - Archiving (What should be saved?)
 - Open Access/Authenticated Users/Copyright
 - Versioning
 - Centralized vs Distributed Access
 - Legacy Data
 - Dive Playback and annotation
 - Guidelines/How-to Documents
- **Group 3: Metadata**
 - File level vs Frame level
 - Closed Captioning
 - Embedded vs Overlain Metadata
 - Audio Time code
 - Subtitles / Graphics
 - Video Overlay
 - Embedded Geolocation metadata
 - Annotation

- Interoperability
- Guidelines/How-to Documents

Breakout Group 1*- Auditorium -

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Breakout Group 2 - Hazard Room-

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Breakout Group 3 - Small Conference Room-

- [NOTES](#) (editable by anyone)
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**all remote participants will be in Breakout Group 1*

10:15 – 10:30 --- COFFEE BREAK ---

10:30 – 12:30 Breakouts Cont'd

12:30 – 1:30 -- LUNCH ---

1:30 - 3:00 Plenary: Breakout Reports & Discussion/Consensus of Priorities
(30 minutes per breakout group)

3:00 – 3:15 ---COFFEE BREAK--

Plenary: How to keep momentum going?

3:15-4:15

Topics:

- Standards – how to develop and validate standards, and encourage compliance
- Implementation Strategies – facilities, individuals, sharing knowledge/resources.

4:15 - 5:00 Closing Remarks

5:00 ADJOURN