

SWITCHcast Next Generation



SWITCH

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SWITCHcast Next Generation?

- **Subproject Producer**

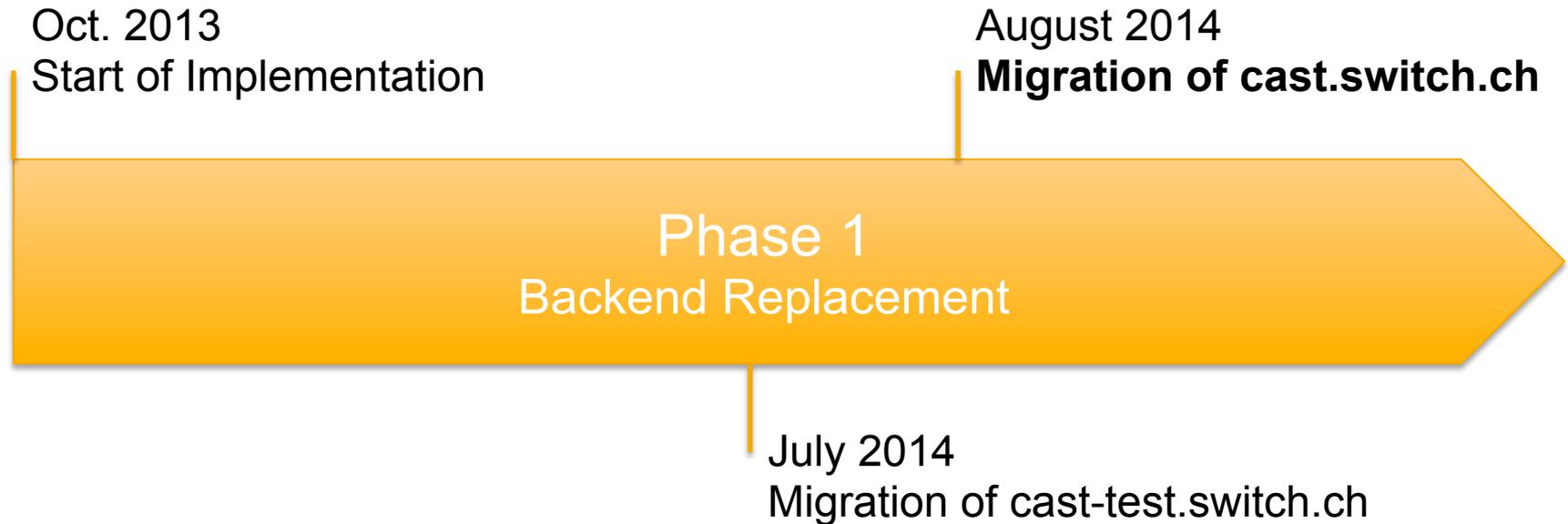
- **Modernization of the SWITCHcast video management & lecture recording system in two phases**



- **Subproject Delivery**

- Video portal for academic video (SWITCHtube)

Phase 1: Timeline



Before Phase 1

The screenshot shows the SWITCHcast website interface. At the top, there are navigation links for Home, News, Events, and Contact. A dropdown menu for 'All Services by SWITCH' is visible. The main content area is titled 'Active channels' and lists several channels with their IDs, names, and privacy settings. A video player is embedded on the right, showing a test slide with the SWITCH logo and contact information for Sven Stauber.

ID	Channel Name	Privacy
ID 5275	Sven's Tube Export Test Channel	Private
ID 5266	Sven's Recorder Import Test Channel	Private
ID 5261	TP-RE-AU-?+? (Sven 2014-08-11 12:35:27)	Private
ID 5245	Audio-only Test Channel	Private
ID 5207	Chapter Image Test Channel	Private
ID 5062	11all! 18. Februar 2014	Organization
ID 4985	SWITCHcast Annotatel IVT Test	Public
ID 4981	SWITCHcast Annotatel Optimization Reference Channel	Private
ID 4918	Channel name	Private
ID 4895	Test	Public

The screenshot shows a macOS desktop with a video recording interface. It includes a video preview window, a video source selection dropdown (FaceTime HD Camera), and an audio source selection dropdown (Built-in Microphone). There are also buttons for 'Charge' and 'Upload'.



After Phase 1

The screenshot shows the SWITCHcast website interface. At the top, there are navigation links for Home, News, Events, and Contact. Below this is a search bar and a list of active channels. The channel list includes details such as ID, name, privacy status, and creation date. A video player is visible on the left side of the interface, showing a live stream of a person speaking.

This screenshot shows a video player displaying a presentation titled "SWITCHcast Test Slides". The presentation content includes the SWITCH logo and the text "Sven Stauber sven.stauber@switch.ch".

The screenshot displays the SWITCH Hube website. It features a search bar at the top and a section titled "Featured" with several video thumbnails. The thumbnails show various educational content, including tutorials and presentations.

This screenshot shows another view of a video player displaying a presentation titled "SWITCHcast Test Slides". The presentation content includes the SWITCH logo and the text "Sven Stauber sven.stauber@switch.ch".

This screenshot shows a video player displaying a presentation titled "SWITCHcast Test Slides". The presentation content includes the SWITCH logo and the text "Sven Stauber sven.stauber@switch.ch".





In Phase 1, we built a...

Solid basis

for the

future of SWITCHcast

Back to now

The screenshot shows the SWITCHcast website interface. At the top, there are navigation links for Home, News, Events, and Contact. Below that, there's a search bar and a list of services. The main content area is titled "Active channels" and lists several channels with their IDs, names, and privacy settings. A video player is visible on the left side of the interface, showing a person speaking.



The screenshot shows the SWITCH Hube website. It features a search bar at the top and a section titled "Featured" with several video thumbnails. The thumbnails include titles like "SWITCHube Tutorial" and "How to create a video channel". The website has a clean, modern design with a blue and white color scheme.



A screenshot of a video player showing a presentation slide with a table of data. The table has columns for "Date", "Time", "Location", "Language", "Availability", and "Contact". The data rows include information about various events and meetings. The video player interface includes a play button and a progress bar.



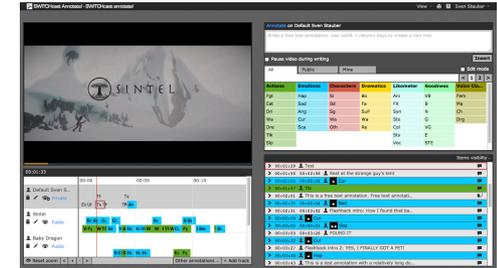
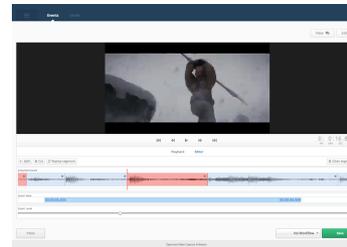
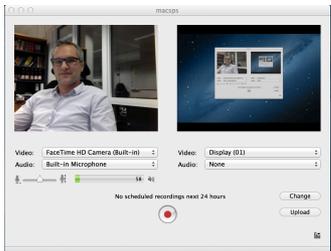
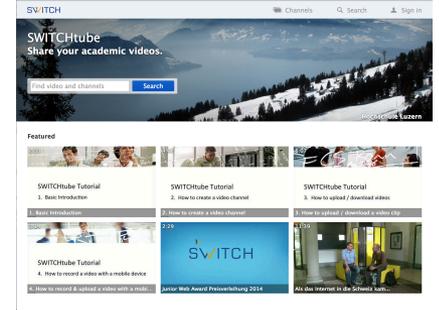
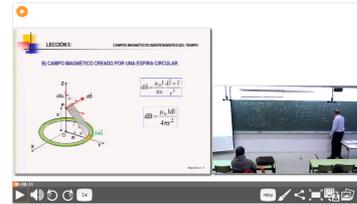
Next Generation



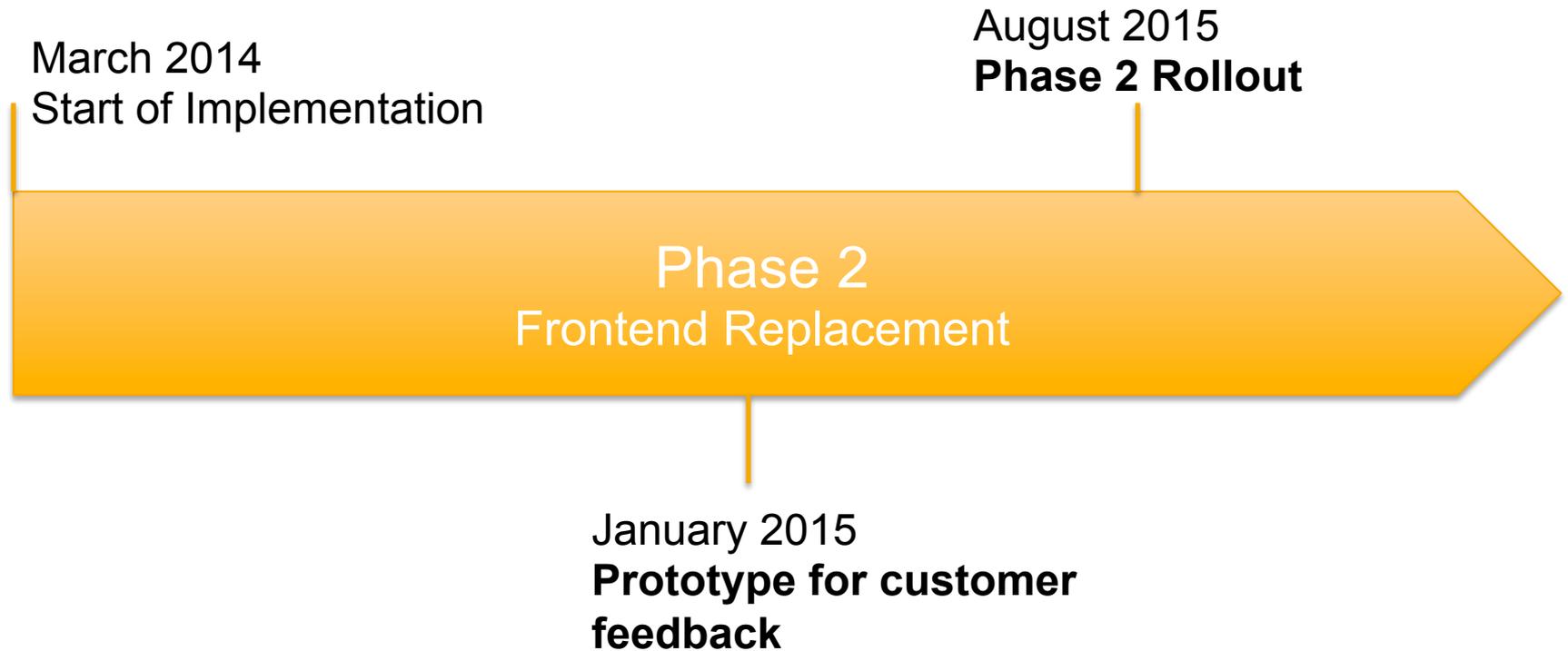
Opencast 0.25

Events

Title	Presentations	Series	Date	Start	Progress	Actions
Theory of Everything	Introduction	Quantum Physics for Beginners	Today	12:04 PM	SUCCESSFUL	
Regulating I	Introduction	Advanced Computer Graphics	Today	12:02 PM	SUCCESSFUL	
Quantum	Introduction	Quantum Physics for Beginners	Today	12:01 PM	SUCCESSFUL	
Antineutrino Long Superneutrino	Introduction	Advanced Computer Graphics	Today	12:00 PM	SUCCESSFUL	
Particle-wave duality	Introduction	Quantum Physics for Beginners	Today	11:59 AM	SUCCESSFUL	
Relativity Theory I	Introduction	Quantum Physics for Beginners	Today	11:58 AM	SUCCESSFUL	
Relativity Theory II	Introduction	Quantum Physics for Beginners	Today	11:58 AM	SUCCESSFUL	
Introduction of International Politics	Introduction	International Politics	Today	11:58 AM	SUCCESSFUL	
OpenGL & OpenGL	Introduction	Advanced Computer Graphics	Today	11:53 AM	SUCCESSFUL	
Introduction	Introduction	Quantum Physics for Beginners	Today	11:51 AM	SUCCESSFUL	



Phase 2: Timeline



Events

17 rows

Actions

Search...



Edit

<input type="checkbox"/>	Title	Presenter(s)	Series	Date	Start	Progress	Actions
<input type="checkbox"/>	Theory of Everything	instructor1	Quantum Physics for Beginners	Today	12:04 PM	SUCCEEDED	
<input type="checkbox"/>	Raytracing I	instructor10	Advanced Computer Graphics	Today	12:02 PM	SUCCEEDED	
<input type="checkbox"/>	Quaternions	instructor10	Quantum Physics for Beginners	Today	12:01 PM	SUCCEEDED	
<input type="checkbox"/>	Antialiasing using Supersampling	instructor10	Advanced Computer Graphics	Today	12:00 PM	SUCCEEDED	
<input type="checkbox"/>	Particle-Wave Duality	instructor1	Quantum Physics for Beginners	Today	11:59 AM	SUCCEEDED	
<input type="checkbox"/>	Relativity Theory II	instructor1	Quantum Physics for Beginners	Today	11:58 AM	SUCCEEDED	
<input type="checkbox"/>	Relativity Theory I	instructor1	Quantum Physics for Beginners	Today	11:58 AM	SUCCEEDED	
<input type="checkbox"/>	Introduction of International Politics	instructor19	International Politics	Today	11:56 AM	SUCCEEDED	
<input type="checkbox"/>	OpenGL & OpenCL	instructor2	Advanced Computer Graphics	Today	11:55 AM	SUCCEEDED	
<input type="checkbox"/>	Introduction	instructor1	Quantum Physics for Beginners	Today	11:51 AM	SUCCEEDED	

Opencast BETA

Events

17 rows

<input type="checkbox"/>	Title
<input type="checkbox"/>	Theory of Everything
<input type="checkbox"/>	Raytracing I
<input type="checkbox"/>	Quaternions
<input type="checkbox"/>	Antialiasing using Supersamp
<input type="checkbox"/>	Particle-Wave Duality
<input type="checkbox"/>	Relativity Theory II
<input type="checkbox"/>	Relativity Theory I
<input type="checkbox"/>	Introduction of International
<input type="checkbox"/>	OpenGL & OpenCL
<input type="checkbox"/>	Introduction

Progress

Progress	Actions
CEEDED	

10

Create event

Metadata **Source** Processing Access policy Summary

Select source

- Upload
- Schedule single event
- Schedule multiple events

Schedule

Start date *	2015-03-18
Start time *	10:00
Duration *	11:00
Room *	pyca
Inputs *	

Previous Next

Opencast Video Capture Software

Create: Next Generation (Outlook)

- **SWITCHcast Recorder**
- **New** Option to support Matterhorn Capture Agents
 - Scheduling and basic confidence monitoring integrated into UI



ENTROPYWAVE
OPEN VIDEO TECHNOLOGY SPECIALISTS



MEDIASTAR
BY CABLETIME



NCast
Excellence in Capture and Streaming™

arrive®

Extron

PIXEL2MEDIA



Events

Series

View

Edit



0: 0:16.874
HR MIN SEC MS

Playback Editor

Split Cut Replay segment

Clear segments



Close

No Workflow

Save

What can SWITCHcast do for you?

- **Ingest**

- Capture Agents (Lecture Recording)
- Web Interface
- Third-party systems (using Application API)

- **Manage**

- Extensive, customizable metadata support
- Advanced searching and filtering capabilities
- Video (re-/post-)processing (Transcoding, branding, cutting, ...)

- **Publish**

- To SWITCHtube
- To third-party systems (using Application API or OAI-PMH)

Big Picture

Create

Edit

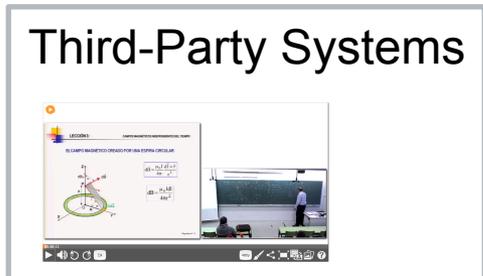
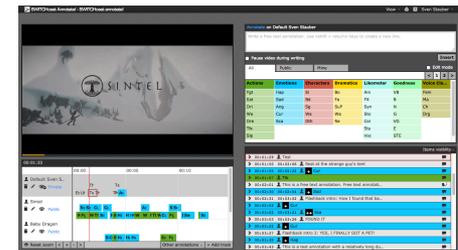
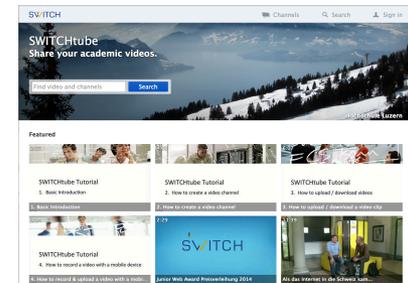
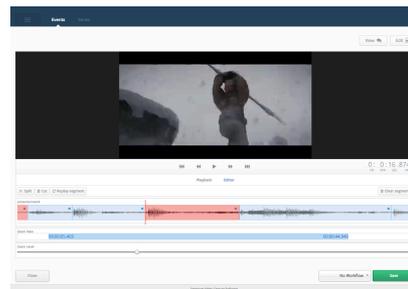
Play



OpenCast

Events

Title	Presenter(s)	Series	Date	Start	Progress	Actions
Theory of Everything	Instructor1	Quantum Physics for Beginners	Today	12:04 PM	SUCCESS	
Relativity I	Instructor15	Advanced Computer Graphics	Today	12:02 PM	SUCCESS	
Quantum	Instructor15	Advanced Computer Graphics	Today	12:03 PM	SUCCESS	
Antialiasing using Supersampling	Instructor15	Advanced Computer Graphics	Today	12:03 PM	SUCCESS	
Particle-Wave Duality	Instructor1	Quantum Physics for Beginners	Today	11:59 AM	SUCCESS	
Relativity Theory I	Instructor1	Quantum Physics for Beginners	Today	11:58 AM	SUCCESS	
Relativity Theory	Instructor1	Quantum Physics for Beginners	Today	11:58 AM	SUCCESS	
Introduction of Mathematical Physics	Instructor15	Mathematical Physics	Today	11:53 AM	SUCCESS	
OpenGL & OpenGL	Instructor15	Advanced Computer Graphics	Today	11:53 AM	SUCCESS	
Introduction	Instructor1	Quantum Physics for Beginners	Today	11:51 AM	SUCCESS	



Announcement

Interested in more details?

See you at the
SWITCHcast Userforum 2015!