

Preserving Collaborative Documents in Contemporary Events

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Digital Preservation

- **Faithful re-enactment** – More than just *representing* preserved targets.
 - Appearance
 - Format
 - Technology
 - Interaction method

Sunflower Movement

March 18, 2014

- Students and activists started to storm into and occupy the main chamber of Taiwan's Legislature.
- The chamber was transformed into a theater of protest for weeks; events were streamed live.
- The movement had been instrumental in delaying the passing of the Cross-Strait Service Trade Agreement (CSSTA 海峽兩岸服務貿易協議) by the ruling party at the Legislature, and in increasing public awareness of various issues in trade negotiations with China.

https://en.wikipedia.org/wiki/Sunflower_Student_Movement

<https://zh.wikipedia.org/wiki/太陽花學運>



From Physical to Digital

- Sunflower Movement Archive
 - March 18, 2015
 - Digitized physical artifacts
 - <http://public.318.io>; <http://expo.318.io>
- Next step: Preserving "born-digital" materials
 - Materials that originate in a digital form
 - Data, tools, systems, environments
 - E.g. The online collaborative documents created during the movement

Archiving Online Collaborative Documents



Hackpad

318.hackpad.com



Hackfoldr

hackfoldr.org/congressoccupied

Hackpad Documents



- Gdocs-like real-time text editing platform
- Supplies lists and verbatim transcripts posted on <http://318.hackpad.com>
- Acquired by Dropbox. Closed in 2017.

1413 DAYS AGO
:edited by YARROW CHEN UNFILED
開文播SOP(要記得分類喔!)
四. 開文播

1270 DAYS AGO
:edited by YARROW CHEN UNFILED
2014-03-22 立法院內 (時序整理:待認領)
16:59 [內場樓上] 立法院的這邊的訴求:是直接退回服貿,而不是退回立院重審。詳細理由請至黑色青年臉書。因為在院會上無法做逐條審查,這邊的承諾不是可行方式。要在一讀的時候,在委員會才能做逐條審查。並不是學生不願意採取其他方式,是已經經過九個月的努力。行政院說:學生不願意對話,其他方式行政院也不願意對話。請各位也必須要了解議事規則(個人意見)
17:09 [內場] 17:30 會提出回應
17:31 [內場] 請賴律師說明兩岸監督條例,因為有些同學沒在場外,先簡述剛剛對話過程。首先,青年朋友們在應對江院長表示要來到立法院門口與同學對話,就已經有做一個決定,歡迎江院長來對話,但希望江院長先同意兩個訴求,第一是服貿協議要退回,因為服貿是行政院送到立法院,當然可以要行政院把公文退回。第二件事是要完成兩岸監督條例,如果沒有此條例,應該要先暫緩後續條例簽訂。但很可惜,江院長並沒有做承諾。17:31 [內場] 請賴律師說明兩岸監督條例,因為有些同學沒在場外,先簡述剛剛對話過程。首先,青年朋友們在應對江院長表示要來到立法院門口與同學對話,就已經
Show full change

1273 DAYS AGO
:edited by YARROW CHEN UNFILED
2014-03-23 行政院

Hackfoldr Documents



- Folder-like online document aggregator
- <http://g0v.today> integrates important and current information about the movement.
- Replaced by information about a later event. →
Actually preserved target: <http://hackfoldr.org/congressoccupied/>

The screenshot shows the Hackfoldr website interface. At the top right, there is a "Home" link. Below it, a navigation menu is visible with the following items:

- 反黑箱服貿協議 · 守護民主日與夜
- 讓晨曦照亮民主 守護民主手環
- inLiveTW 直播 最新資訊
- 服貿跑馬燈
- 服貿東西軍
- 公民審服貿 街頭民主審議
- 行動
- 三動作護台灣 致電立委
- 割鬚尾計畫 罷免連署
- 過往直播

On the right side of the screenshot, there is a table of documents:

Home	
反黑箱服貿 守護民主	
純瀏覽	http://
填需求	http://
24-00:00	物資 / 醫療站
	青島東鎮江物
	青島東中山物
	青島東林森物
	濟南路群賢物
	濟南路開南物
	中山南路大門
	醫護總指揮所
需求時間	
置頂	感謝各位31
取消時間	↓↓↓↓ 以下為已
07-08:46	行動麥克風(像
07-08:46	類每(在個5

Archiving

Online Collaborative Documents

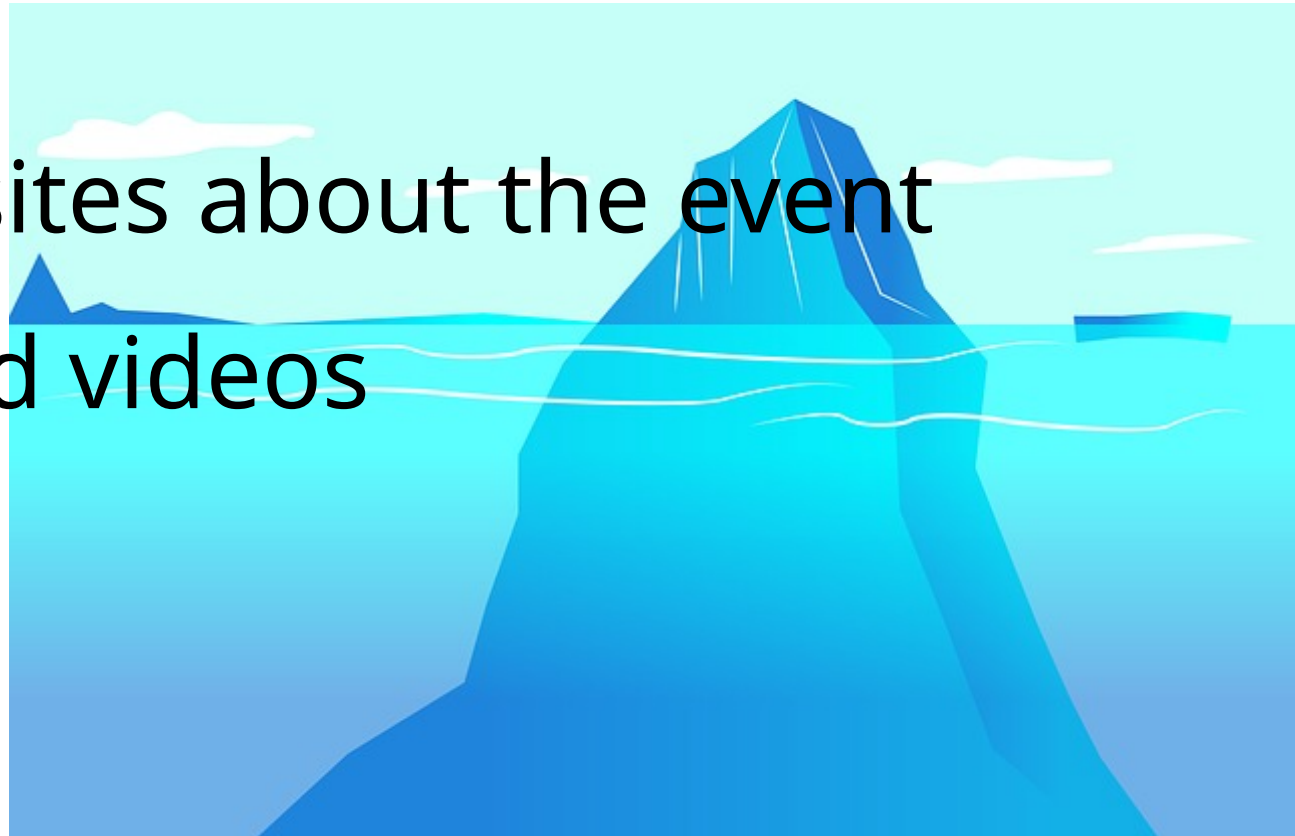
- Non-technical issues: rights
 - Are we free to duplicate and preserve the documents?
 - What about the legal status of the results of preservation?
 - How will the preservation be maintained in the long run?

Archiving Online Collaborative Documents

- Technical issues: provide offline accessibility
 - Environment
 - Install the operating system, web server, applications...
 - Modify some code to ensure offline operations in localhost.
 - Data
 - Import database dump (Hackpad) and data source file (Hackfoldr).
 - Create a dummy account needed by Hackpad.

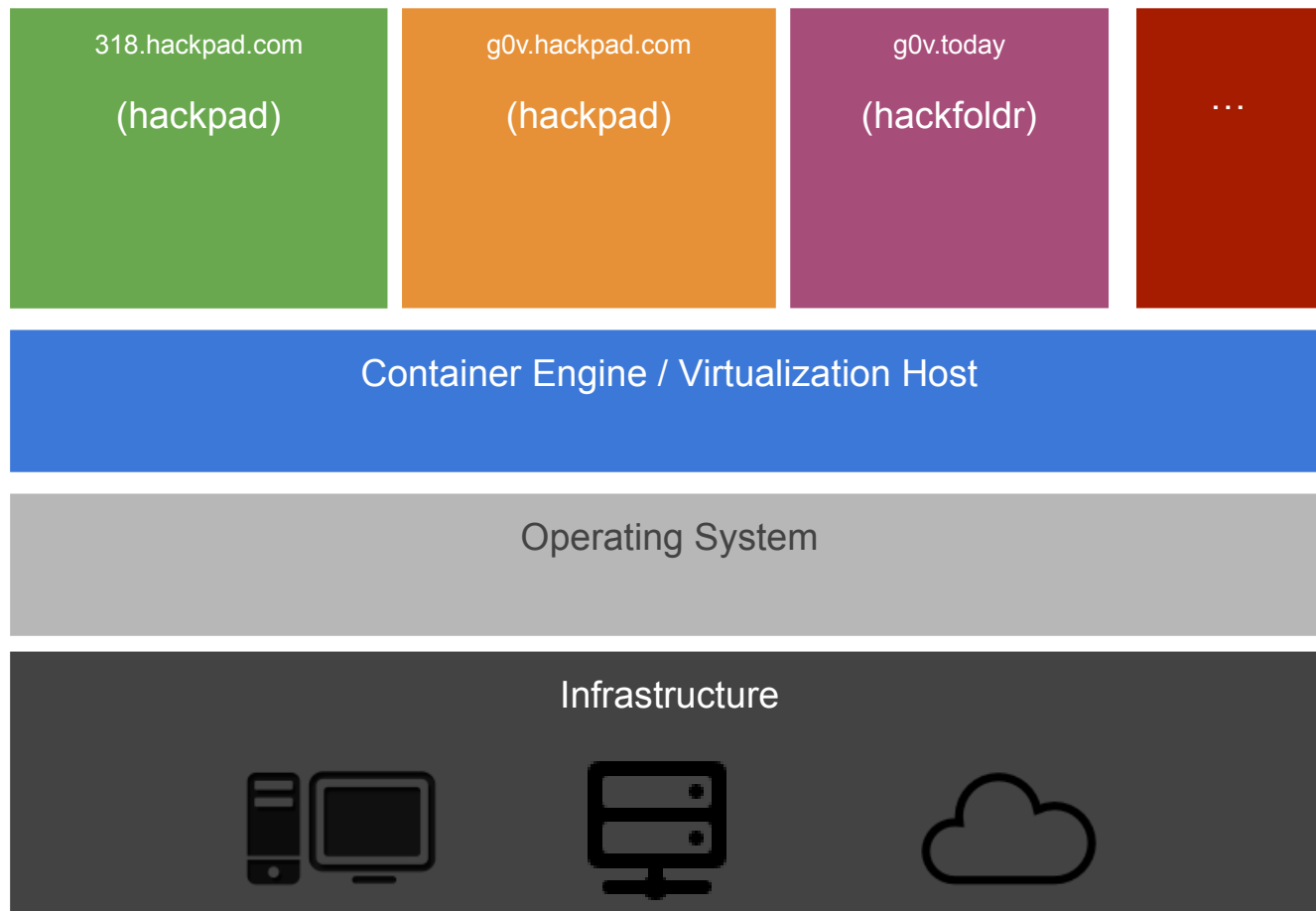
Tip of the Iceberg

- Still much more to preserve...
 - Other websites the documentation links to
 - Other websites about the event
 - Pictures and videos



The Web and Long-Term Preservation

- What is the idealized preservation model for collaborative documents?



Thank You!

Tyng-Ruey Chuang:

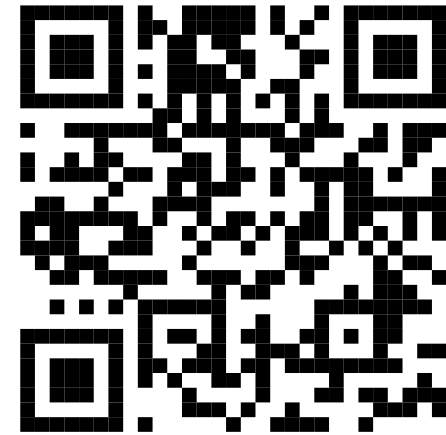
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Slides and Transcript
(Also in the collaborative
session notes and [#idcc19](#))

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