


The logo for SURF ACADEMY features the word 'SURF' in white uppercase letters inside an orange rounded rectangle, followed by 'ACADEMY' in orange uppercase letters. A thin orange line connects the bottom of the 'SURF' box to a small orange circle below it.

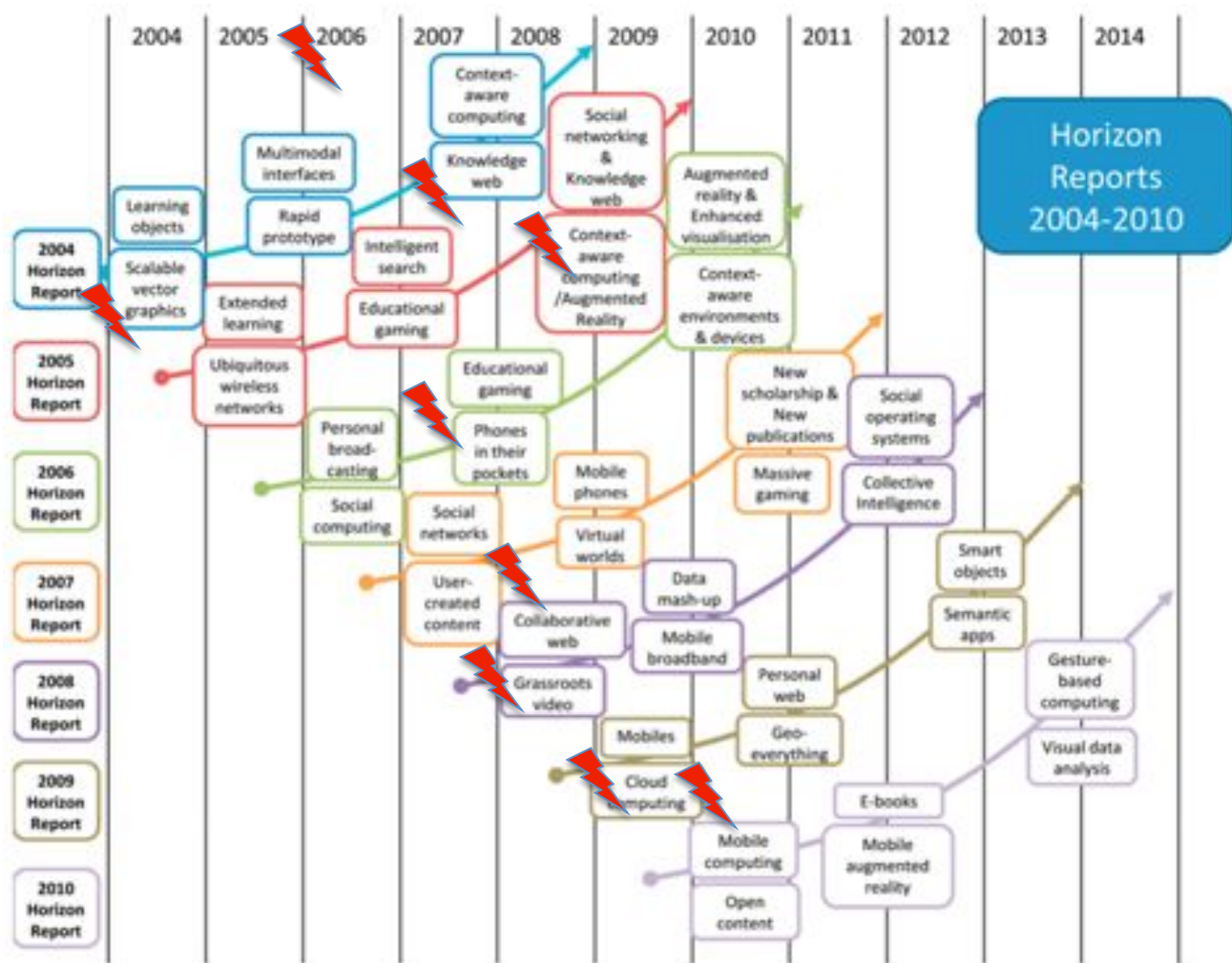
SURF ACADEMY

A close-up photograph of a person's hand holding a black smartphone. The hand is positioned in the center-right of the frame, with the phone held horizontally. The background is a blurred blue-grey color.

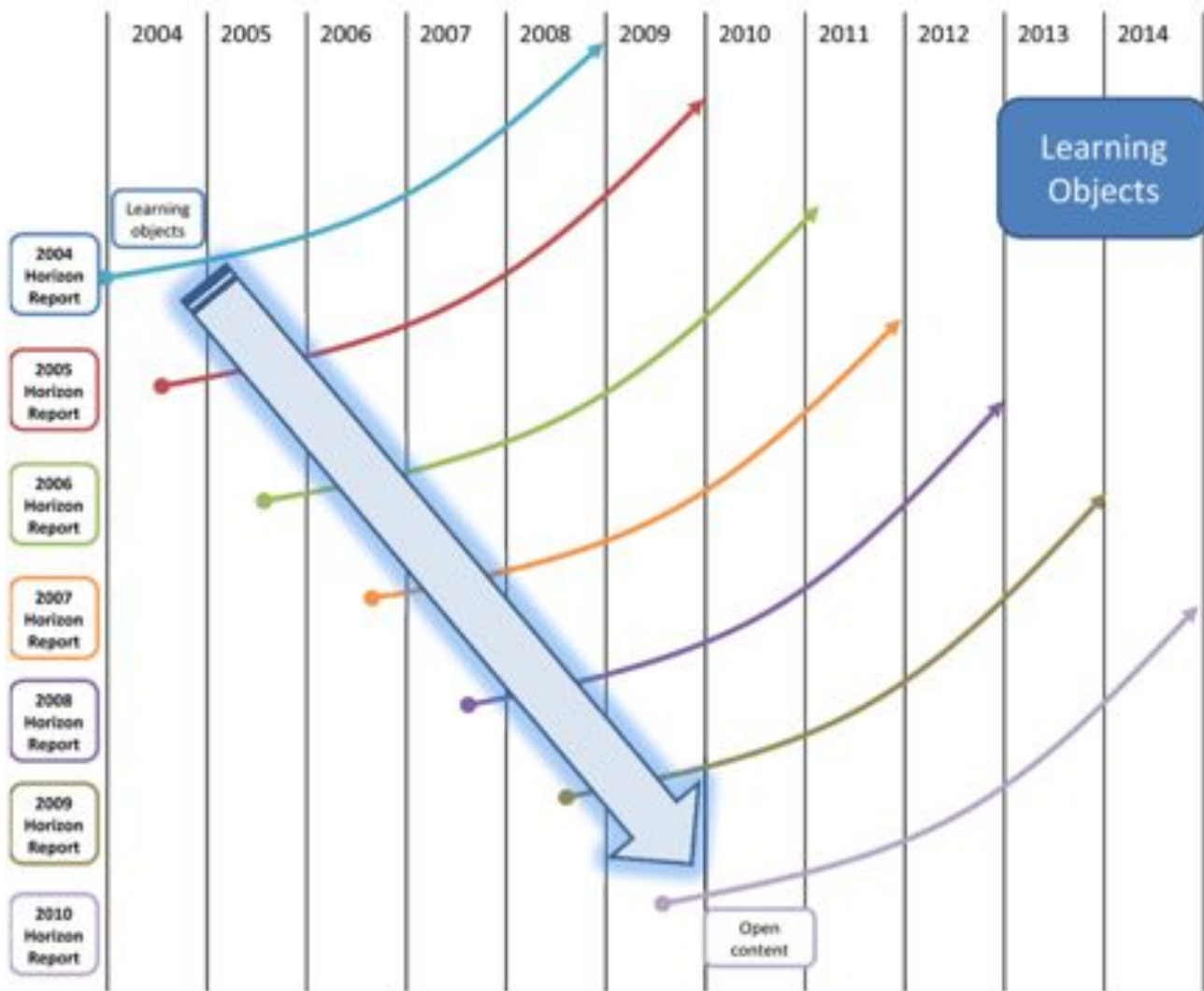
Online masterclass

Mobiel leren in de toekomst

Trends relevant for content

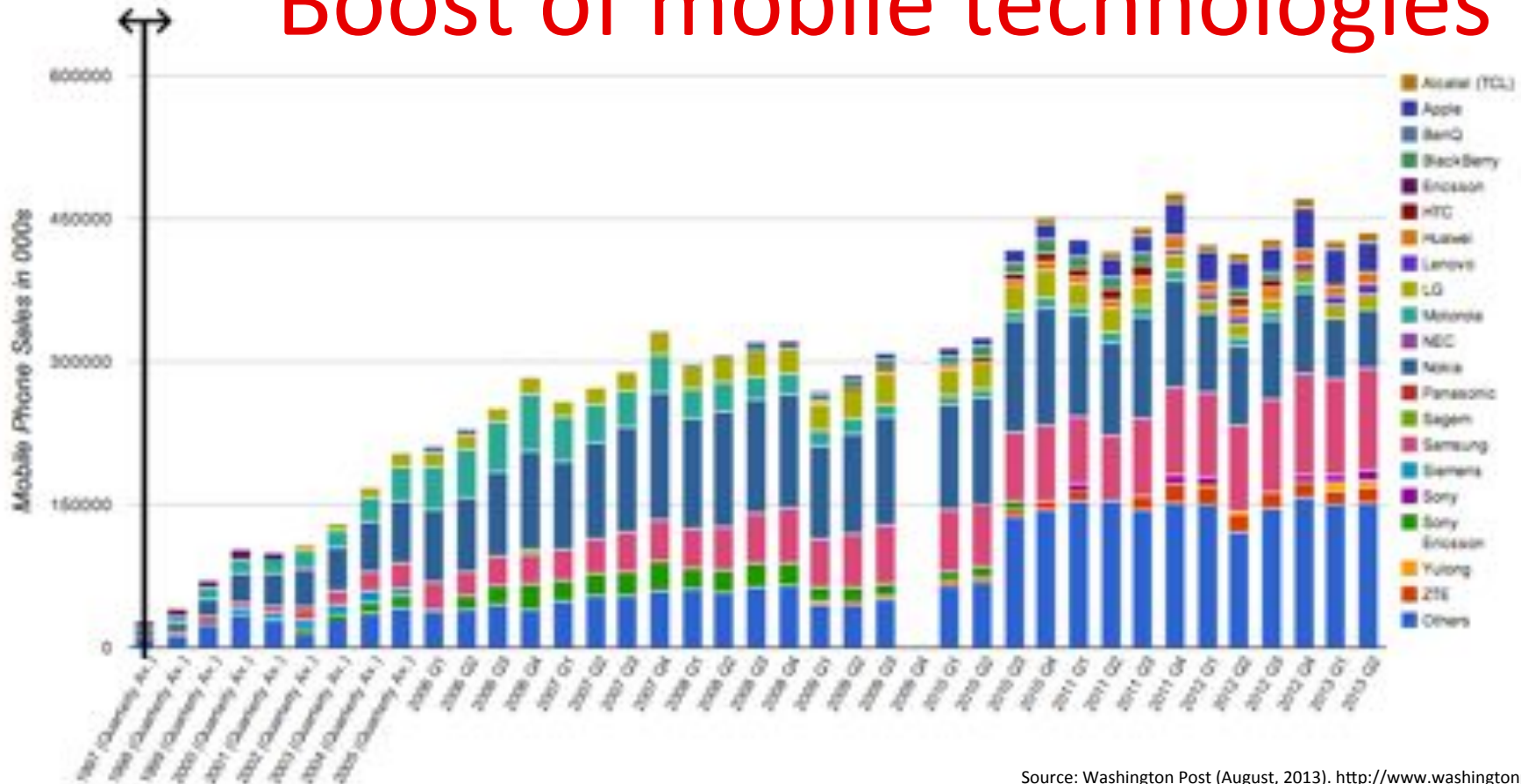


Martin, S., Diaz, G., Sancristobal, E., Gil, R., Castro, M., & Peire, J. (2011). New technology trends in education: Seven years of forecasts and convergence. *Computers & Education*, 57(3), 1893-1906.



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Boost of mobile technologies



Source: Washington Post (August, 2013). <http://www.washingtonpost.com/blogs/the-switch/files/2013/08/Screen-Shot-2013-08-20-at-10.34.05-AM.png>

Ubiquitous learning

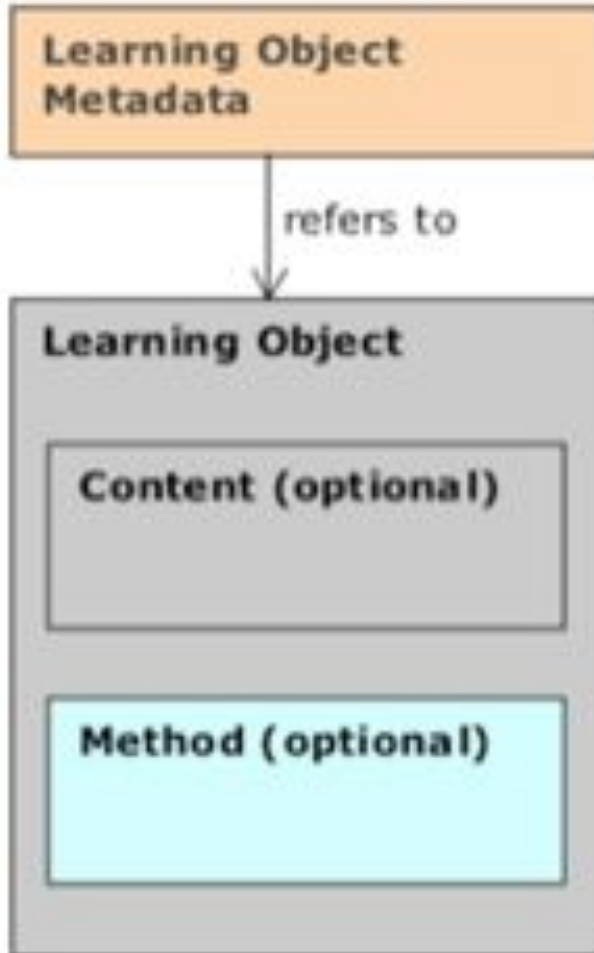
	Listen	Watch	Write	Read
In the living room				
Having breakfast	12,24	8,16	8,84	29,24
Cleaning	37,4	1,36	0,68	2,04
Sitting in the sofa	34,01	44,89	50,34	62,58
Having lunch	11,56	10,88	8,84	20,4
During coffee/time	19,72	11,56	27,2	38,77
Watching TV, during advertisement time	12,92	15,64	32,64	47,61
In my room				
Waking up in the morning in bed	18,36	2,72	7,48	25,84
Getting dressed	19,72	0,68	1,36	2,04
Sitting at my desk	37,41	29,92	51,69	54,42
Lying on bed anytime	34,69	34,01	33,32	50,33

Tabuenca, B., Ternier, S., & Specht, M. (2013). Supporting lifelong learners to build personal learning ecologies in daily physical spaces. *International Journal of Mobile Learning and Organisation*, 7(3), 177-196.

	Listen	Watch	Write	Read
In the living room				
Having breakfast	-7.08	-5.65	9.5	5.16
Cleaning	-20.1	-0.47	-1.63	-2.11
Sitting in the sofa	-0.72	9.5	-0.82	3.28
In the bathroom				
Having shower	-2.49	1.16	0	1.16
Sitting on the toilet	2.95	11.83	19.22	26.13
In my room				
Waking up in the morning in	6.17	4.64	9.98	4.95
Getting dressed	-5.5	1.16	-3.27	0.68
Lying on bed anytime	11.67	16.11	9.33	13.2
In the kitchen				
Preparing breakfast	-11.85	2.05	-2.38	-0.32
Sorting groceries	-20.4	0	0.68	-5.39
Cooking	-20.32	1.58	-1.9	-8.51
Waiting for someone/something				
Anywhere in the street	-4.24	0.89	9.6	6.26
At the bus stop	-6.84	4.38	7.48	9.08
In a commercial center	-9.52	2.53	14.3	20.85

Learning objects & Mobile learning objects

Learning Object



Koper, R. (2001). Modeling Units of Study from a Pedagogical Perspective: the Pedagogical Meta-model behind EML. Educational Technology Expertise Centre Open University of the Netherlands.

Learning Object

- small units of learning
- self-contained, can be taken independently
- reusable, may be used in multiple contexts for multiple purposes
- can be aggregated
- are tagged with metadata

Chitwood, K. & Bunnow, D. (2005).
Learning Objects: Resources for
learning. The Wisconsin Online Resource
Center Digital Library. 18th Annual
Conference on Distance Teaching and
Learning

Dimensions of Mobile Context

Mobile devices are equipped with capabilities *text editor, audio recorder, video recorder, sensors, internet access, apps, etc.* that facilitate enormously the possibilities to *create, publish, discover, acquire, access, use and re-use* of educational resources.



Specht, M. (2009). Learning in a technology enhanced world.

**Sustainable to adapt
traditional desktop contents
to the mobile setting?**

Desktop to mobile adaptation



Desktop to mobile adaptation

Pilots and frameworks

Su, Tseng, Lin & Chen (2011) personalized mobile content delivery based on mobile capabilities, learners, preferences, and network conditions.

Yang M-C. (2007) a pilot framework for aggregating and editing mobile learning materials from the existing web-based eLearning materials

Desktop to mobile adaptation

Experiments

Bradley, Haynes, Cook, Boyle & Smith (2009)

*‘LOs were developed to tackle a series of pedagogical challenges, such as facilitating learner engagement, and aiding students in dealing with problems of abstraction and complexity. These learning objects use a number of **constructivist principles provided by rich interactive visualizations or learner controlled pacing**’*

**Is sustainable to adapt traditional
desktop contents to the mobile setting?**

NO

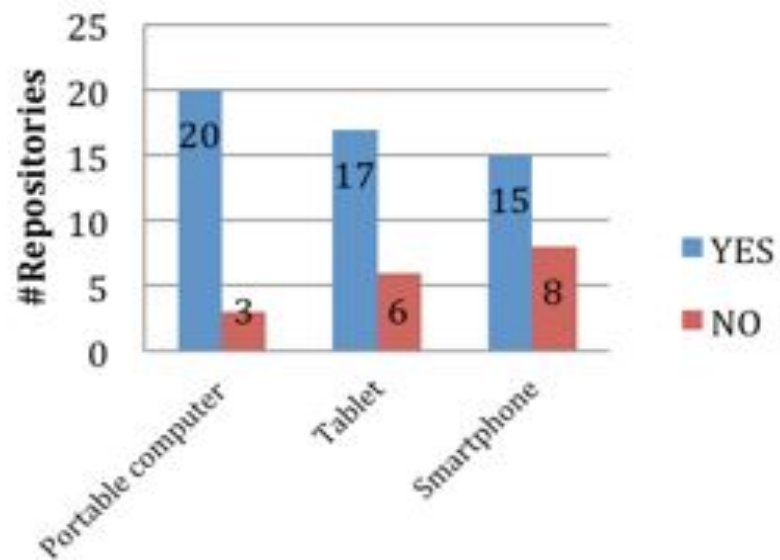


**What do content repository
owners think about
supporting mobile access?**

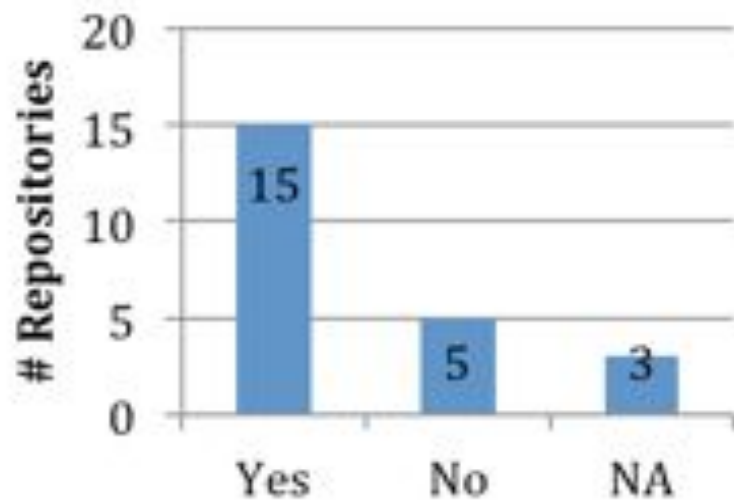
A survey to content repository
owners on mobile usage

1.583.000 resources

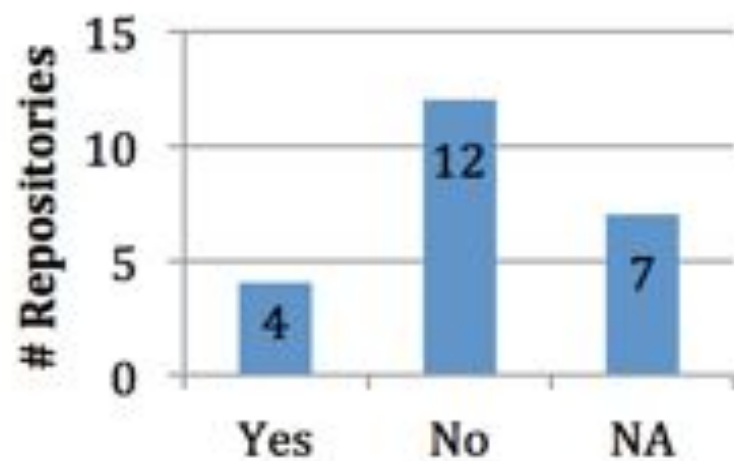
Did you prepare your repository to be accessed with different mobile devices?



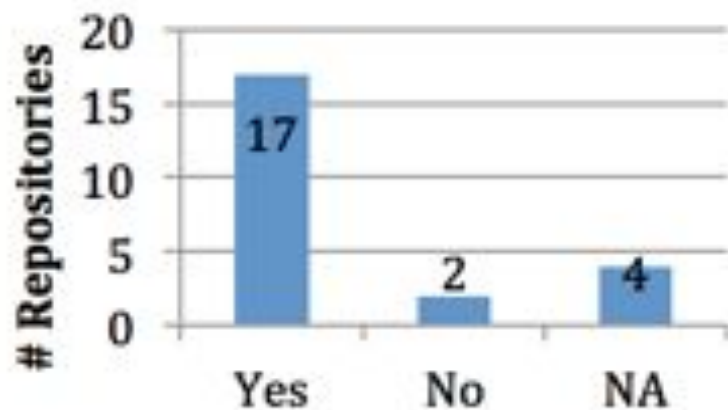
Do you think an app could increase the access rates to your repository?



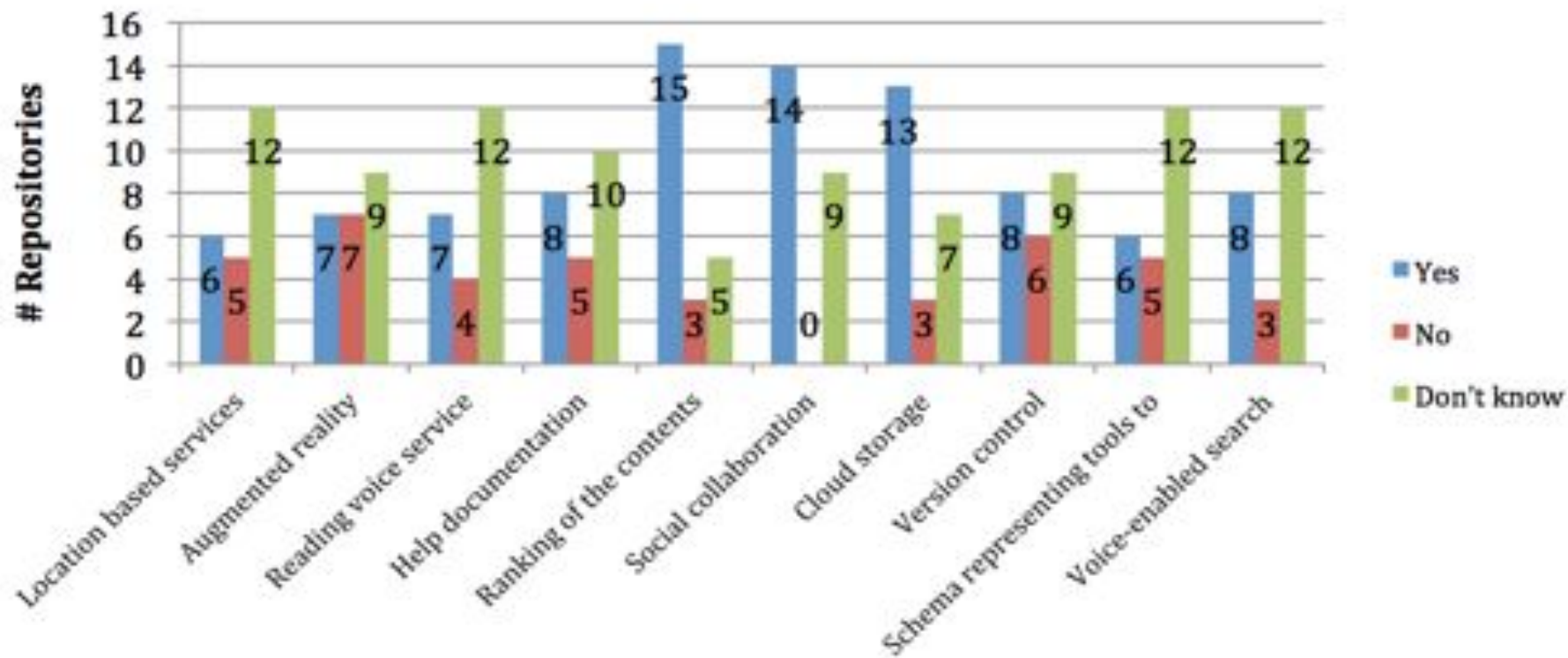
Do you know any suitable app for accessing content repositories or open content?



Would you consider providing an application interface (API) for accessing to your repository from other sites and apps?



What kind of functionalities would be beneficial to provide state of the art access to content repositories?



What features are content repositories offering for mobile support?



<http://www.ocwsearch.com/api>



<http://api-explorer.khanacademy.org/>

**How can we address mobile
OER using our smartphone
capabilities?**





Google 2:51 PM

Google search

Golden Gate Bridge

Golden Gate Bridge

See results

Golden Gate Bridge - Wikipedia, the free encyclopedia
The Golden Gate Bridge is high, with part of its structure set back into the Golden Gate strait, the most popular view from the Golden Gate strait in the United States.

Search history - Google Search Golden Gate Bridge search
Search history Golden Gate Bridge search United States, Search history Golden Gate Bridge, San Francisco, California, United States

The Storm



The storm hit the region last night, bringing heavy rain and strong winds. The rain was accompanied by gusts of wind that caused some damage to trees and power lines. The storm was a surprise, as it was not expected in this part of the country. The weather service had predicted a clear day with a light breeze. The storm was a relief for those who had been suffering from a drought for several weeks. The rain was much needed and helped to replenish the soil. The storm was a reminder that we are all part of the same weather system and that we must be prepared for any eventuality.



Plaza del Duomo, Milano



Plaza del Duomo
Milano
10121







3D Car Metaphor

Mobile with
Accelerometer

Participating
User



Conclusions

repository



- API
- Web-services
- HTML 5
- Specific type of content

mobile client



Contact




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