

KIWIX

How to Surf on Wikipedia Without Free Internet Access
So many ways to go Offline

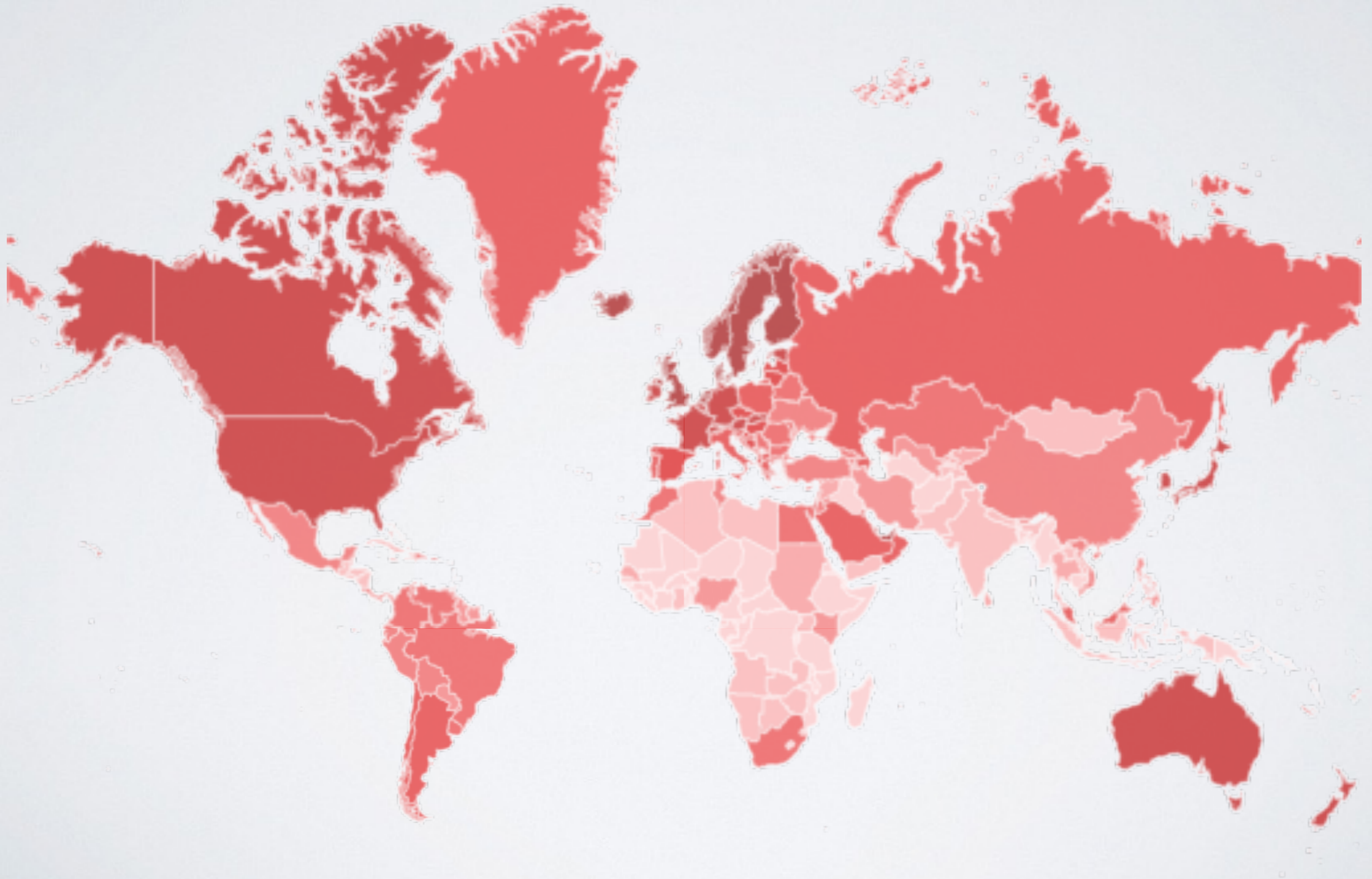
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Emmanuel Engelhart - Wikiarabia 2016

WHO KNOWS
OR
HAS EVER HEARD
ABOUT
KIWIX?

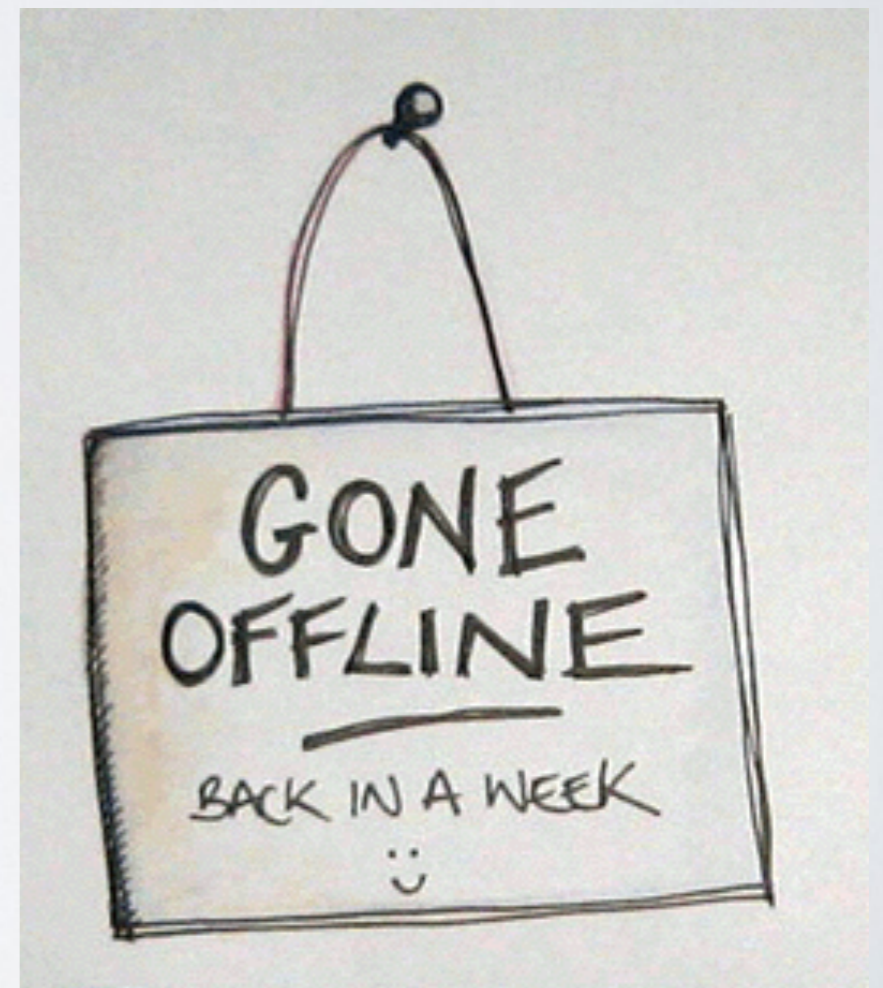


INTERNET ACCESS: ~ 50%



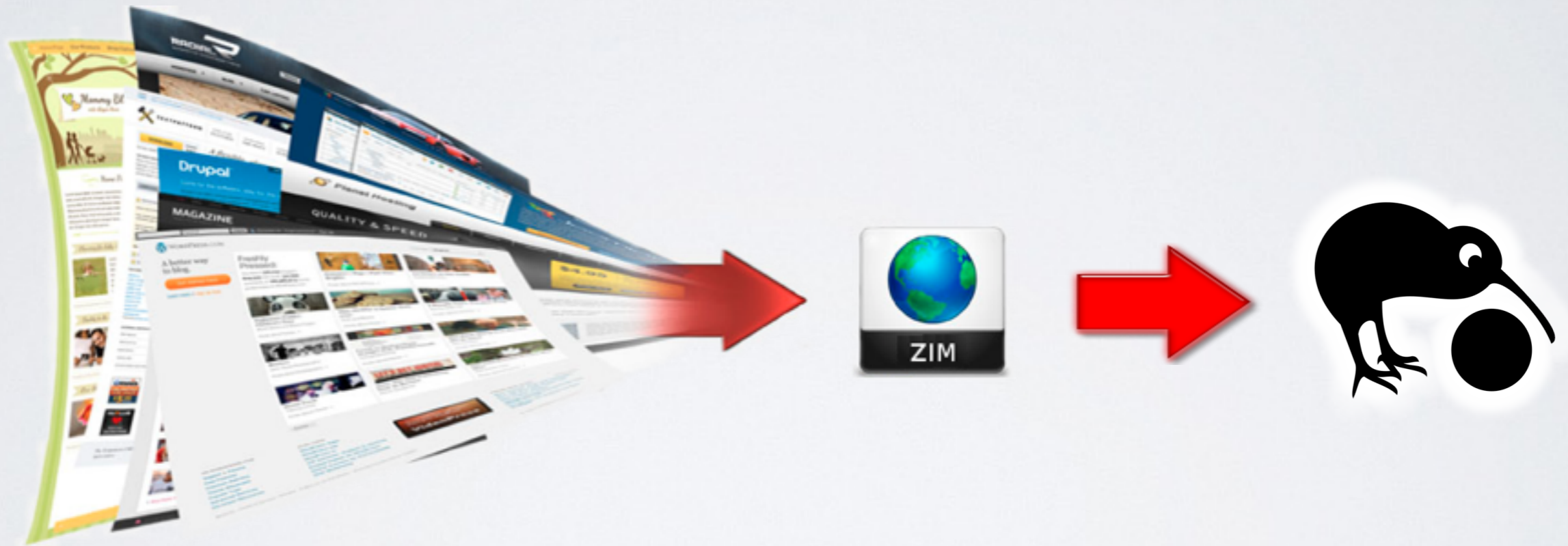
WHY GOING OFFLINE?

- No Internet access (no infrastructure, too expensive, forbidden, ...)
- Bad/slow internet access
- Censored Internet
- Surveilled Internet
- Better content presentation



GET
YOUR OWN OFFLINE COPY
OF THE BEST ONLINE
EDUCATIONAL WEB
RESOURCES

HOW DOES IT WORK?



WHAT IS ZIM FILE?

- File format
- Launched in 2009
- Heavily compressed
- Constant quick random access
- Content agnostic
- Dedicated openZIM project
- Open standard
- Reference implementation
- Other readers than Kiwix
- www.openzim.org



KIWIX, THE ZIM READER

الرئيسية • أدوات • معرض • تعليم • مشاركة

ويكي الأخبار

معرض الأخبار التي نشأ من مشروعنا
بدء في 1.300 محررا منذ 2005

شبح أكبر خلق تقريبا في العالم

19 يوم في العالم... أكبر شبح تم إنشاؤه رقميا في العالم... 17 يناير 2014
شبح أكبر خلق تقريبا في العالم... أكبر شبح تم إنشاؤه رقميا في العالم... 17 يناير 2014

تقانة تخن لتكثير فرج جديد لها وهو تنظيم القاعدة الإلكتروني

19 يوم في العالم... تقانة تخن لتكثير فرج جديد لها وهو تنظيم القاعدة الإلكتروني... 19 يناير 2014

مرحباً بكم في ويكي الكتب

كلمة مغتربا من مشروعنا
بمؤرخين ويكي الكتب في 1.000 محررا منذ إنشائها في 2005

وصفات طعام مغتربا

كلمة مغتربا للأهل

C++

معرض الصور

معرض الصور من مشروعنا
بمؤرخين ويكي الصور في 1.000 محررا منذ إنشائها في 2005

معرض الصور

معرض الصور من مشروعنا
بمؤرخين ويكي الصور في 1.000 محررا منذ إنشائها في 2005

مقالات

مقالات من مشروعنا
بمؤرخين ويكي المقالات في 1.000 محررا منذ إنشائها في 2005

مقالات

مقالات من مشروعنا
بمؤرخين ويكي المقالات في 1.000 محررا منذ إنشائها في 2005

DATA FLOW

- Web sites provide free web content
- **Developers write web site scrapers (software)**
- **Publishers package & publish content in ZIM files**
- Users download them on Internet
- Ambassadors spread them via *sneakernet*
- NGOs make large scale deployments





WIKIPEDIA
The Free Encyclopedia



Wiktionary
The free dictionary



WIKIBOOKS



WIKISOURCE



WIKINEWS



WIKIVERSITY



WIKISPECIES
free species directory



TEDMED

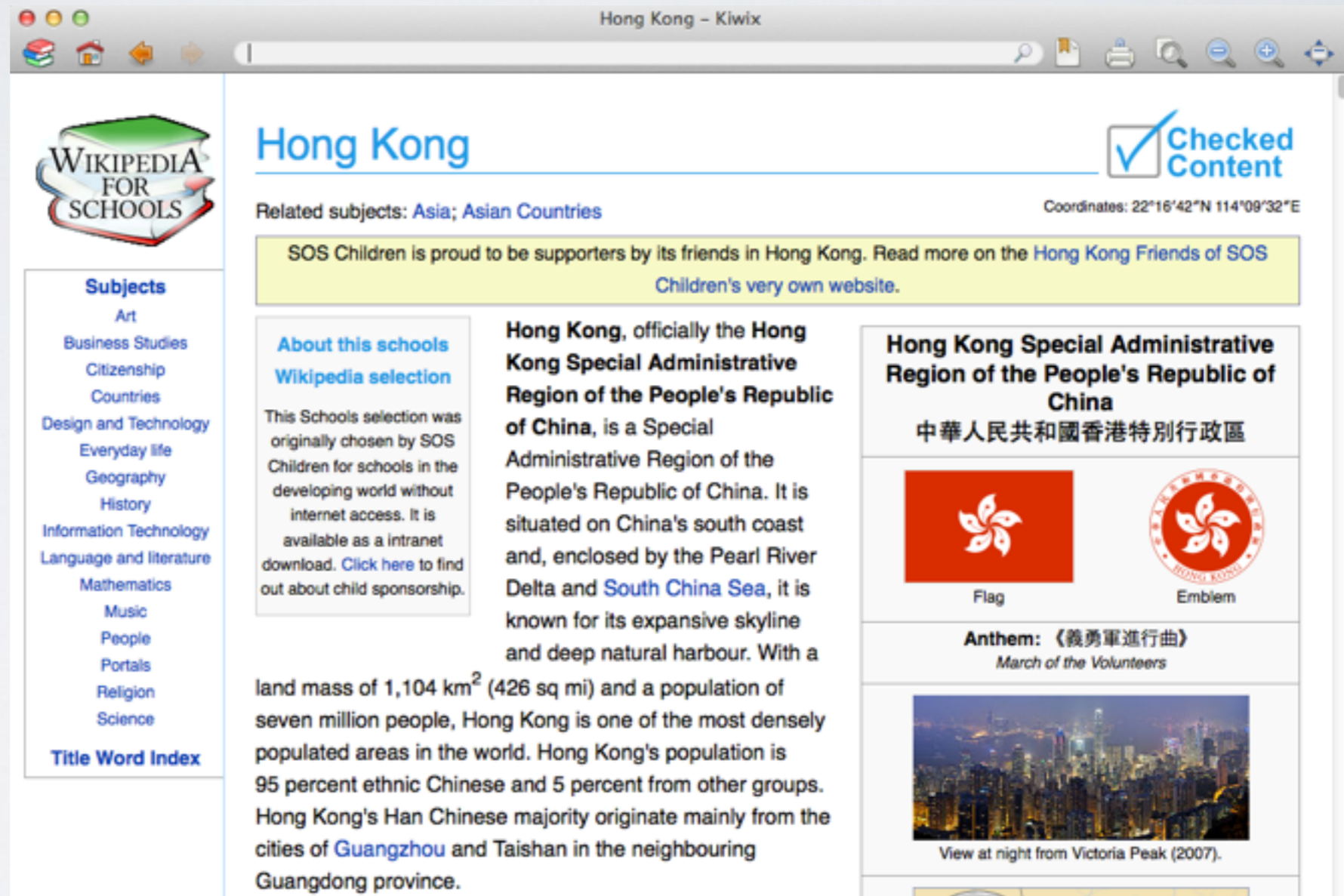


... and more soon.



1/9 - KIWIX DESKTOP

- Windows
- Mac
- Linux
- Feature full



The screenshot shows a desktop browser window titled "Hong Kong - Kiwix". The browser's address bar is empty. The page content includes the "Wikipedia for Schools" logo on the left, a "Checked Content" badge in the top right, and a "Related subjects" section listing "Asia" and "Asian Countries". A yellow banner from SOS Children is present. The main article text describes Hong Kong as a Special Administrative Region of the People's Republic of China, mentioning its location, population, and major features. A sidebar on the left lists various subjects like Art, Business Studies, and Science. A right-hand sidebar displays the Hong Kong flag and emblem, the national anthem "March of the Volunteers", and a night view of the city skyline from Victoria Peak.

Hong Kong

Checked Content

Coordinates: 22°16'42"N 114°09'32"E

Related subjects: [Asia](#); [Asian Countries](#)

SOS Children is proud to be supporters by its friends in Hong Kong. Read more on the [Hong Kong Friends of SOS Children's very own website.](#)

About this schools Wikipedia selection

This Schools selection was originally chosen by SOS Children for schools in the developing world without internet access. It is available as a intranet download. [Click here](#) to find out about child sponsorship.

Hong Kong, officially the **Hong Kong Special Administrative Region of the People's Republic of China**, is a Special Administrative Region of the People's Republic of China. It is situated on China's south coast and, enclosed by the Pearl River Delta and [South China Sea](#), it is known for its expansive skyline and deep natural harbour. With a land mass of 1,104 km² (426 sq mi) and a population of seven million people, Hong Kong is one of the most densely populated areas in the world. Hong Kong's population is 95 percent ethnic Chinese and 5 percent from other groups. Hong Kong's Han Chinese majority originate mainly from the cities of [Guangzhou](#) and Taishan in the neighbouring Guangdong province.

Hong Kong Special Administrative Region of the People's Republic of China
中華人民共和國香港特別行政區

Flag Emblem

Anthem: 《義勇軍進行曲》
March of the Volunteers

View at night from Victoria Peak (2007).

2/9 - KIWIX LIVE

- Single zip download.
- Windows, Mac, Linux.
- Self contained on Stick/CD.
- Privacy mode.
- 2,000+ in the wild.



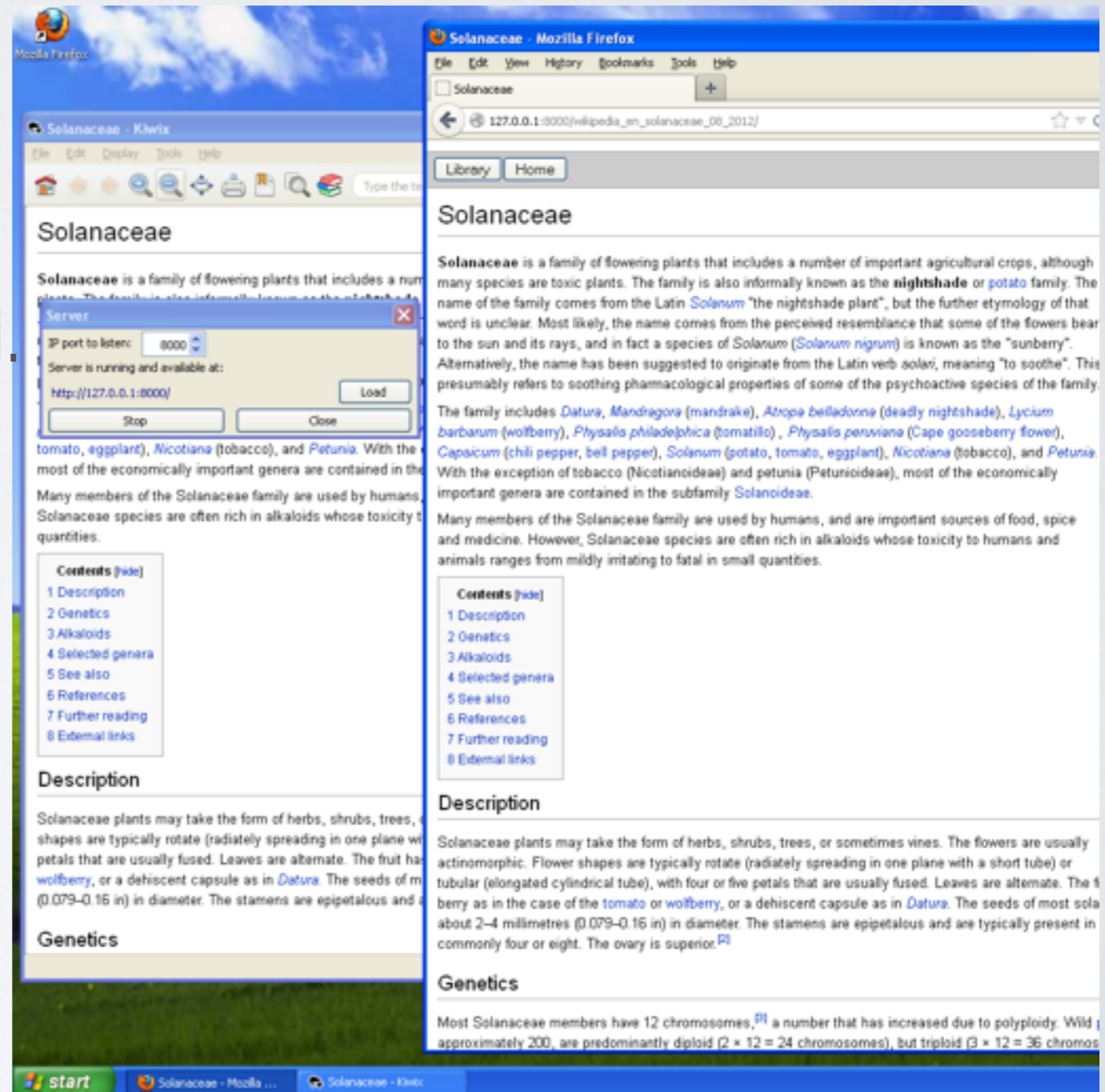
3/9 - KIWIX SUGAR (OLPC)

- Works on OLPC XO.
- Simpler version.
- Decent speed.



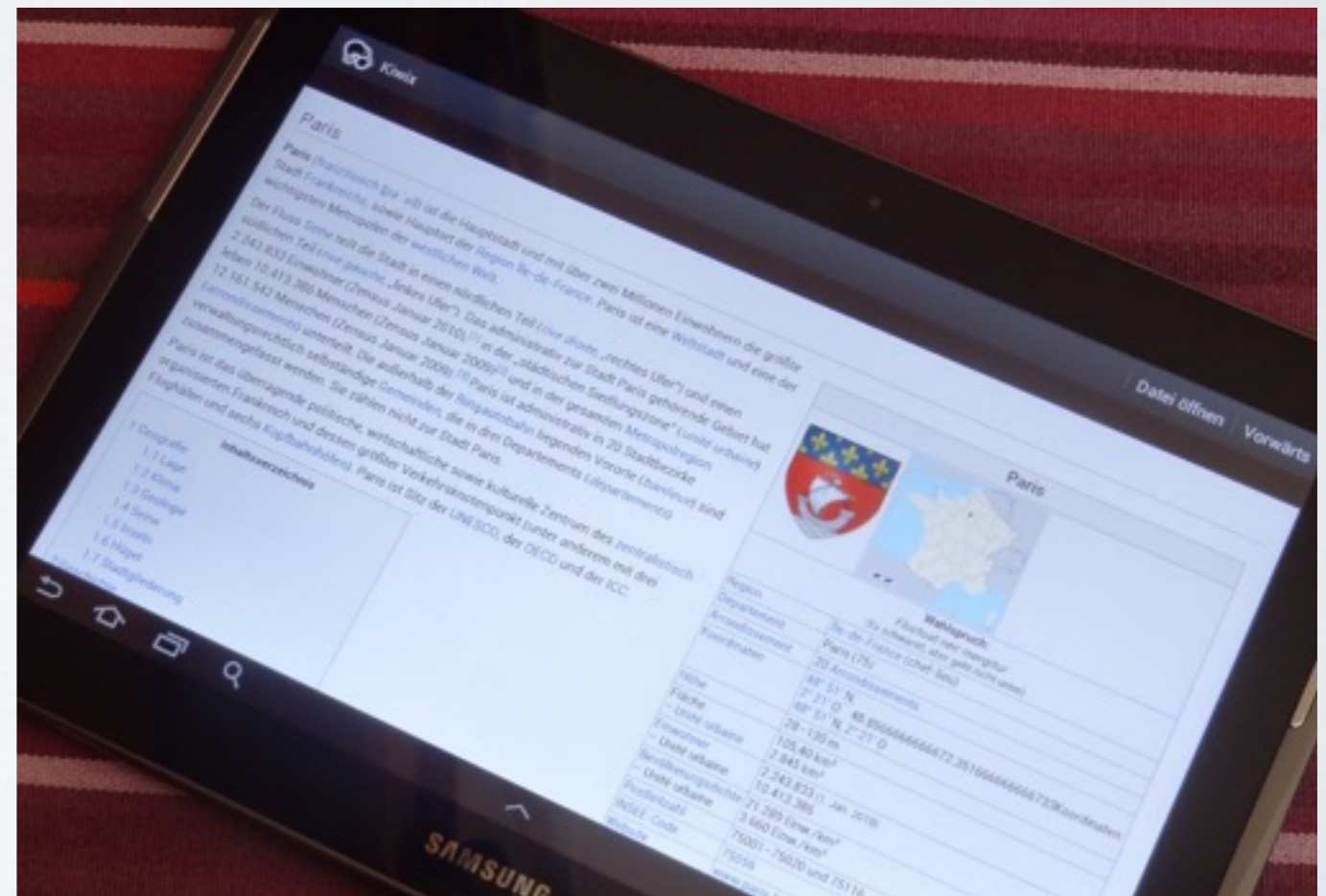
4/9 - KIWIX DESKTOP AS SERVER

- Share content across LAN.
- Single click feature.
- Includes Fulltext Search engine.



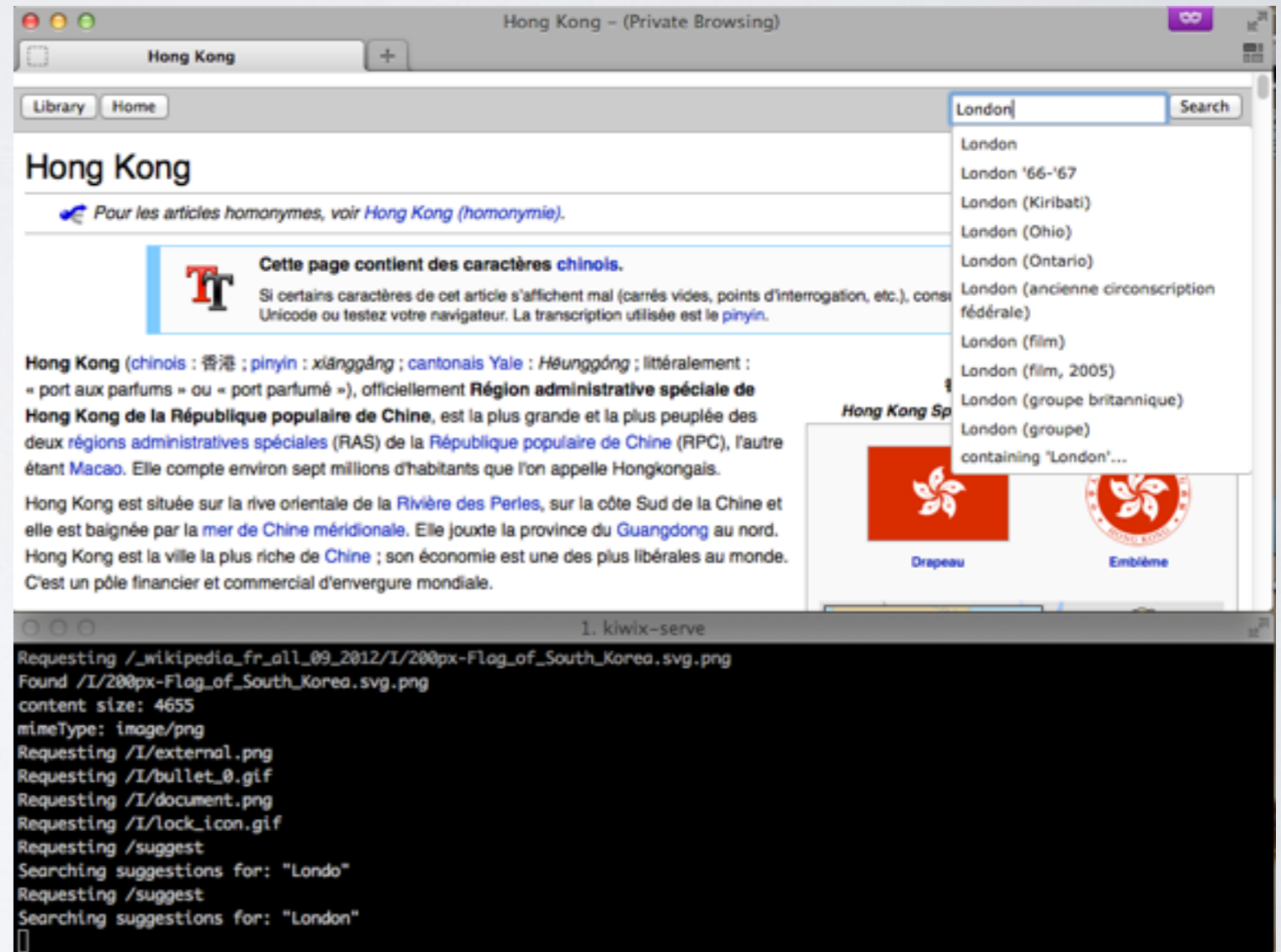
5/9 - KIWIX ANDROID

- TOP5 Wikipedia apps on Google Play
- 40.000+ active users
- Super Fast
- F-Droid & other stores
- APK availables



6/9 - KIWIX SERVER

- Perfect for large deployment
- Centralize contents
- Alone / behind Web Server



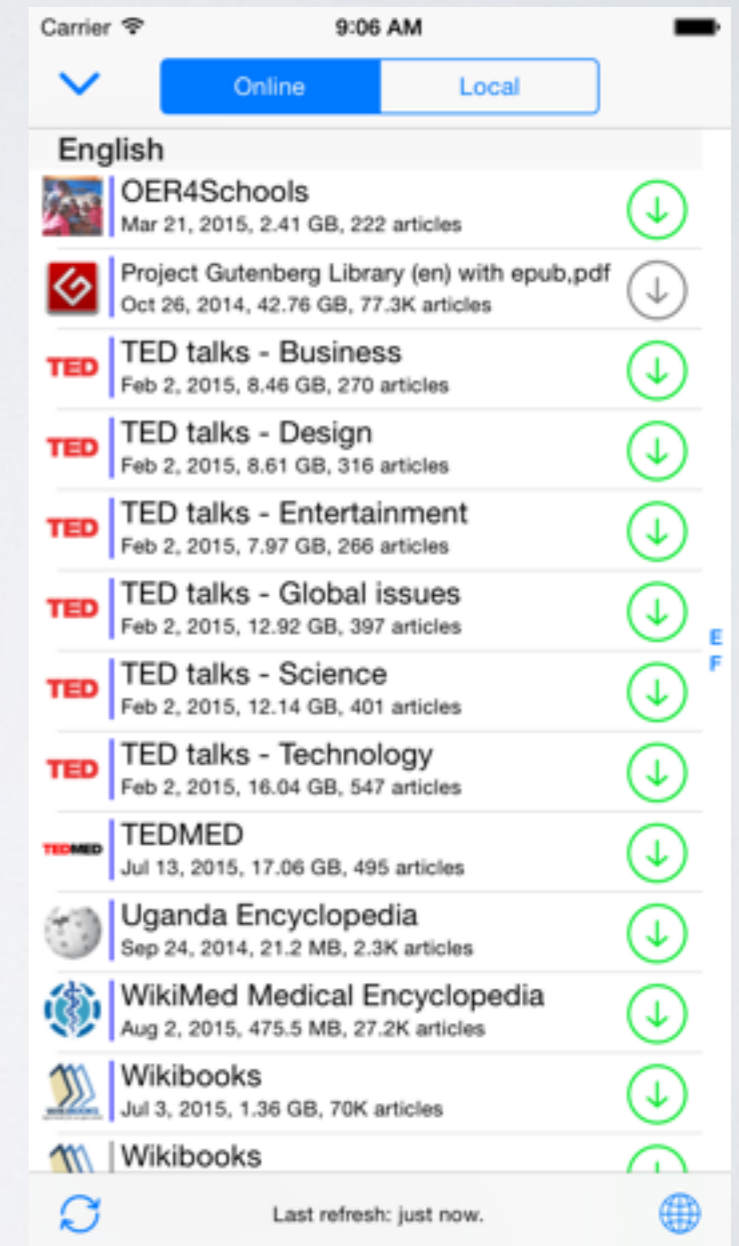
7/9 - KIWIX PLUG

- Plug & Play Hot Spot
- All plugs (ARM)
- Raspberry Pi
- No maintenance
- Low power
- Alone or w/router.



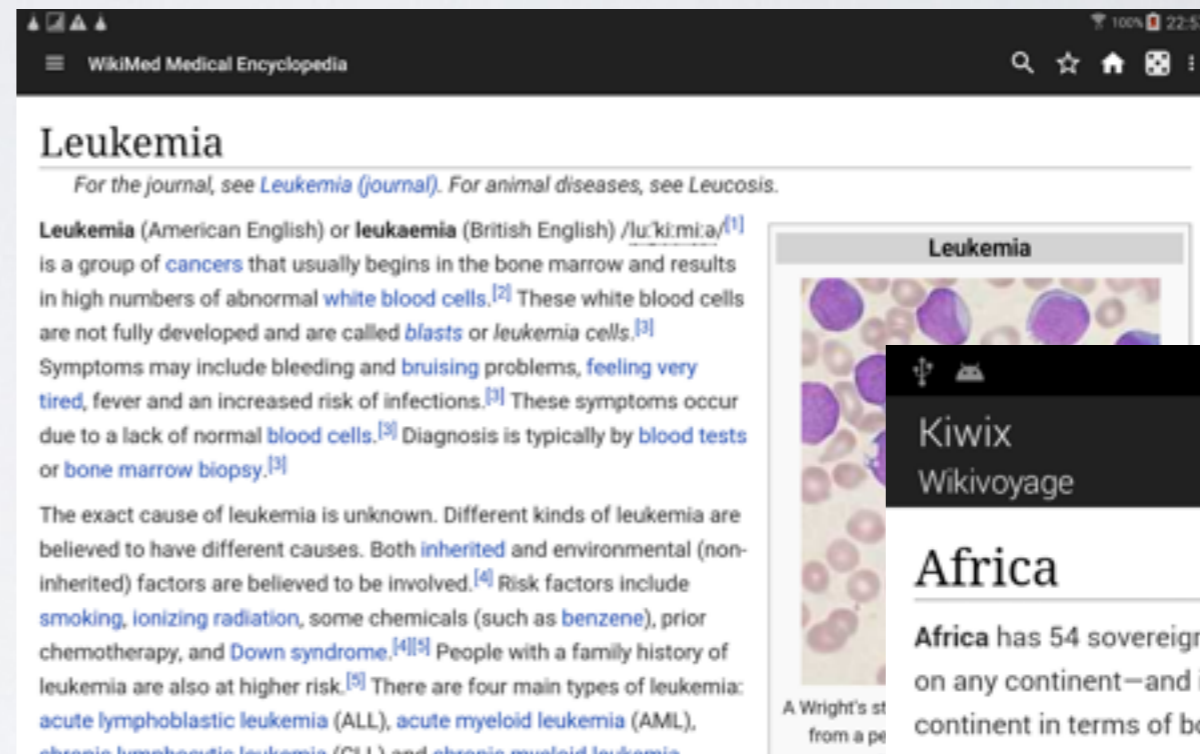
8/9 - KIWIX IOS

- Free app
- Integrated download/content manager
- Multi-ZIM surf
- Works with iTunes



9/9 - CUSTOM ANDROID APPS

- Content + Kiwix
- Nothing additional to download
- Trivial to use
- Users love them



KIWIX IN A NUTSHELL

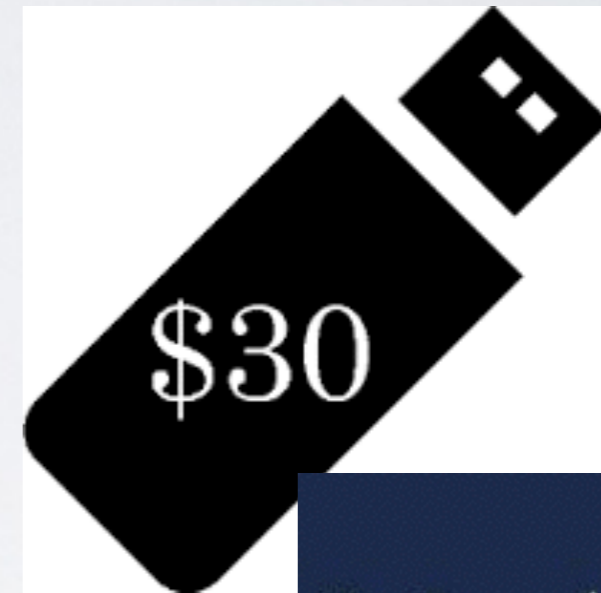
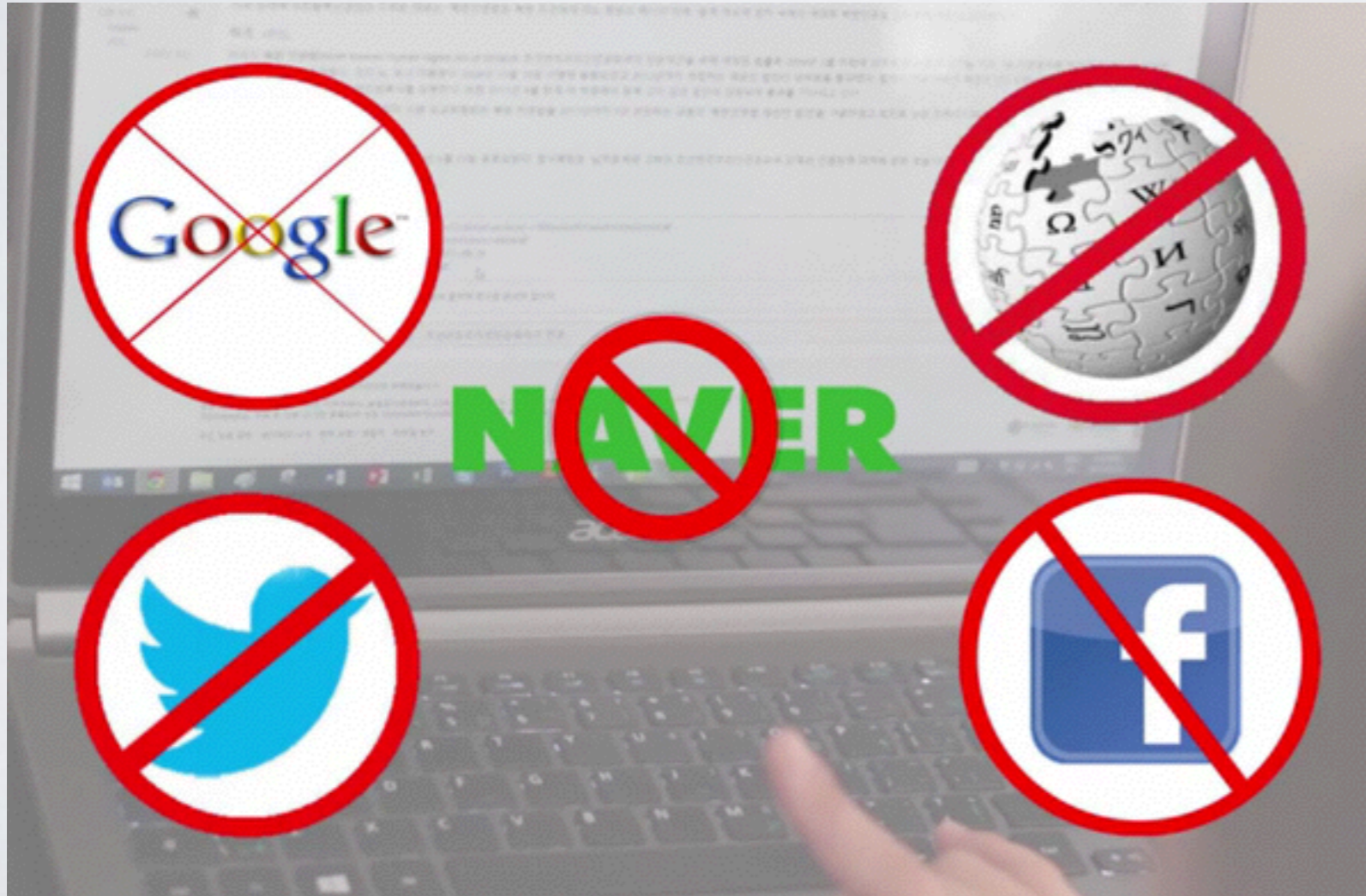
- Maintain'd w/care since 2006 (10 years anniv.)
- 60,000+ downloads/mo.
- *Offlines* any web site
- Community driven
- 3000+ Zim Contents available.
- Free (as free speech)
- Arabic is MAJOR hit
- Thousands of manual deploy



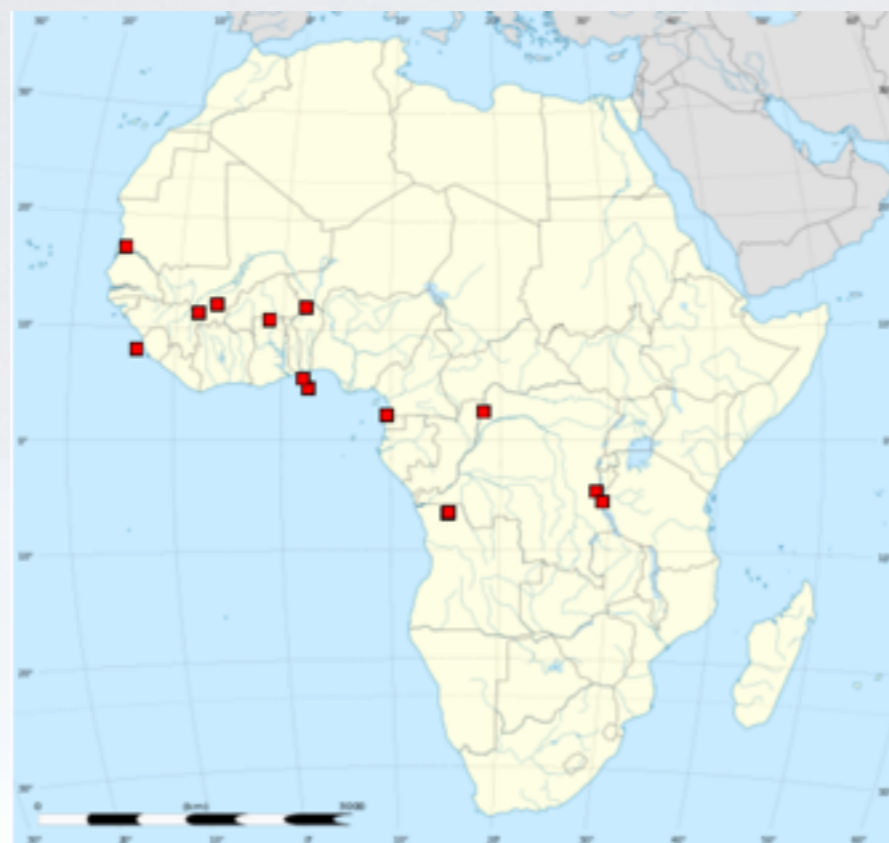
MALEBOOKS, MALI



HANVOICE PROJECT E, NORTH KOREA



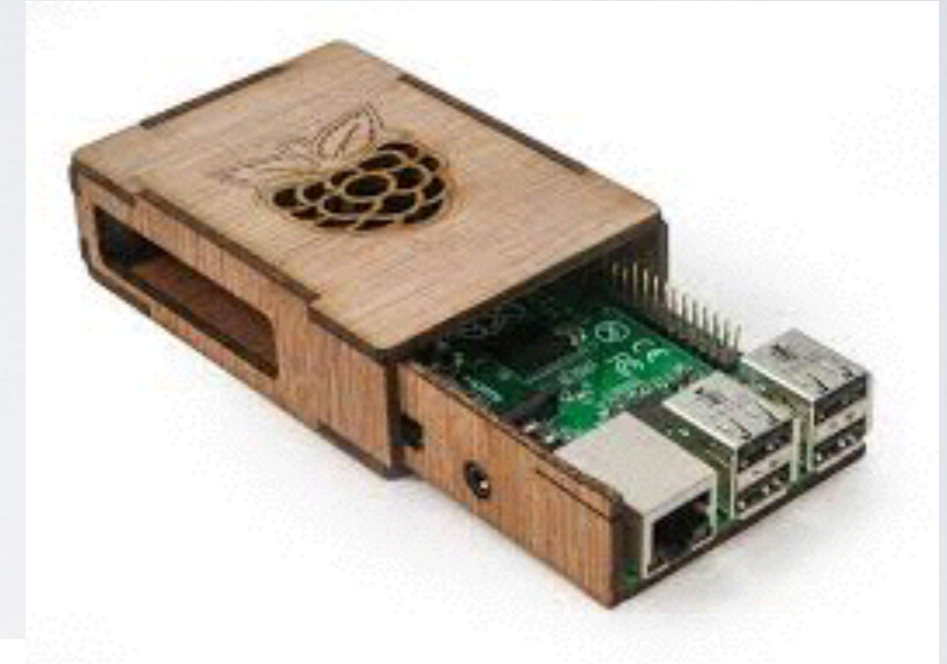
AFRIPEDIA, AFRICA



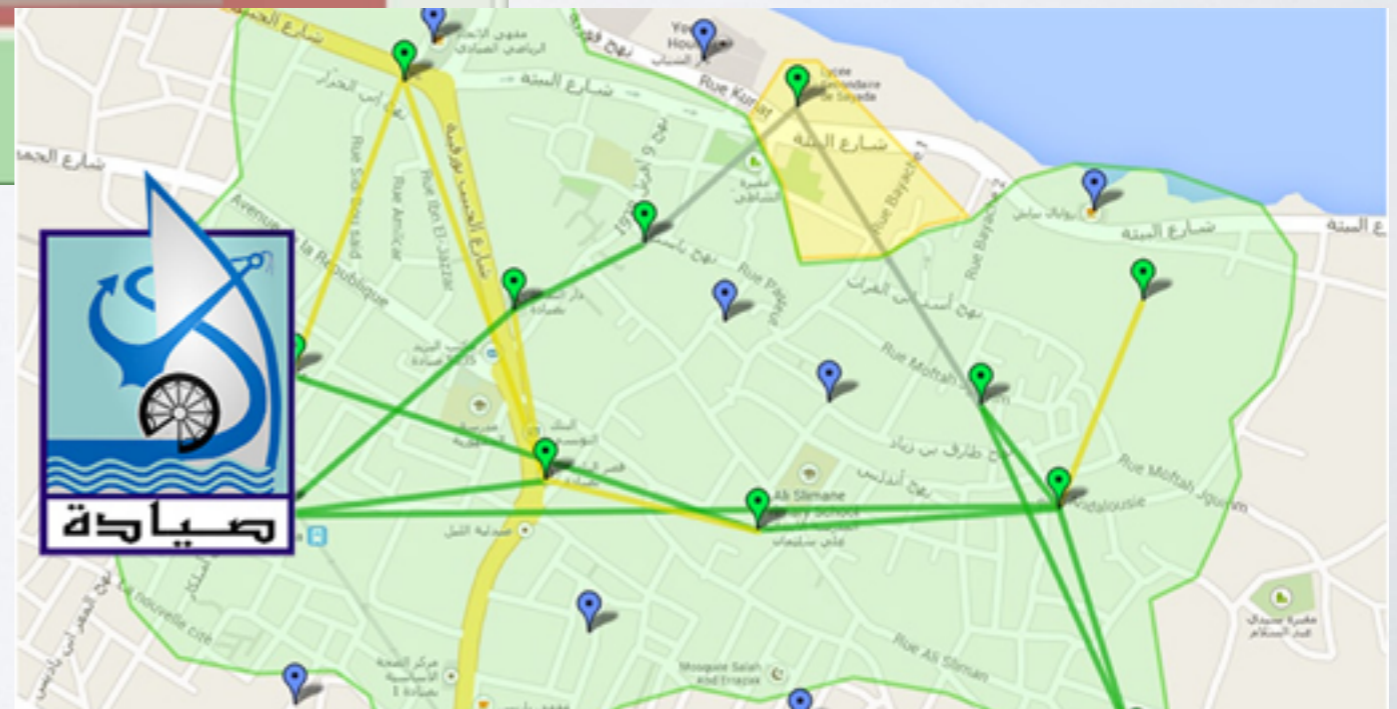
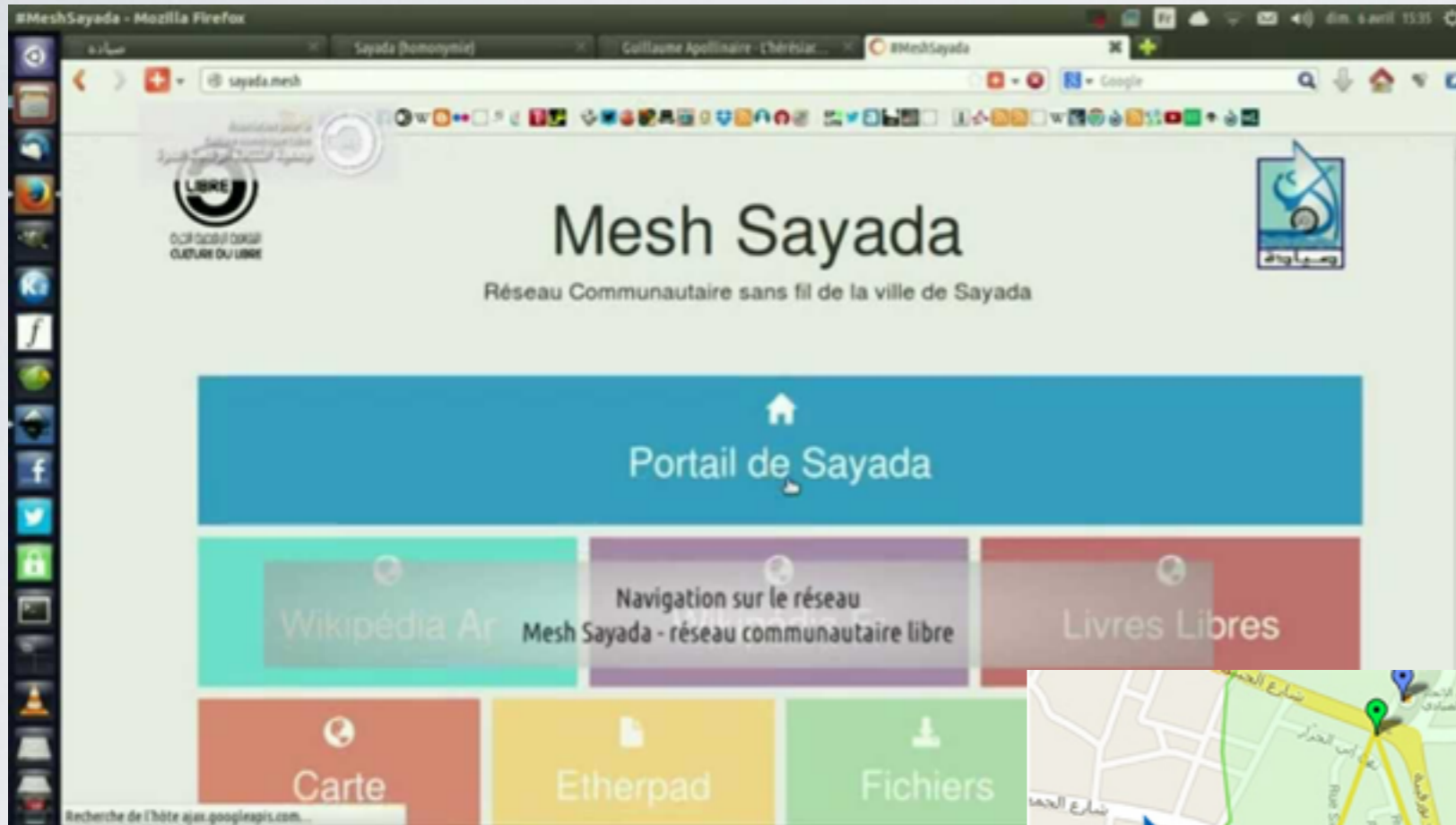
Carte des point d'accès à Wikipédia hors-ligne (plugs ou intranets)



IDEASBOX, FRANCE



MESH SAYDA, TUNISIA



BEHIND THE SCENE

- Software project
- WMCH project
- Multiple sponsors
- Partners for the deployments
- Many pieces of software (code.kiwix.org)
- C++, Javascript, Python, Perl, Java, objectiveC.
- Translated on translatewiki.net
- Volunteer software developers

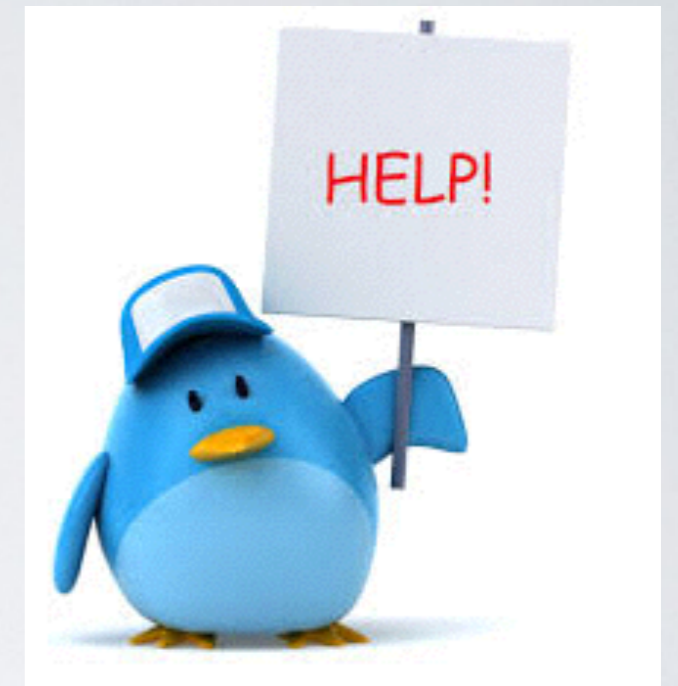


WHAT COMES NEXT?

- Improve the organisation
- Multiply official partnerships
- Support of offline maps/
geolocation
- Integration of full text search
index in the ZIM file
- Better download manager
(in mobiles)
- Kiwix HTML5
- More content
- New version for Desktop
- Better software

HOW CAN I HELP?

- Join the developer team
- Create/improve Kiwix articles on Wikipedia
- Help to translate Kiwix UI or Kiwix web site
- Make a donation to Wikimedia CH
- Promote Kiwix and spread offline content
- Help us to create dedicated selection, custom Android app
- Contact us with your ideas



HOW TO KEEP IN TOUCH

- <https://github.com/kiwix/>
- <https://twitter.com/kiwixoffline>
- <https://www.facebook.com/KiwixOffline/>
- <https://lists.wikimedia.org/mailman/listinfo/offline-l>

