Wikidata: Exploring more visibility and coverage of KDE Applications
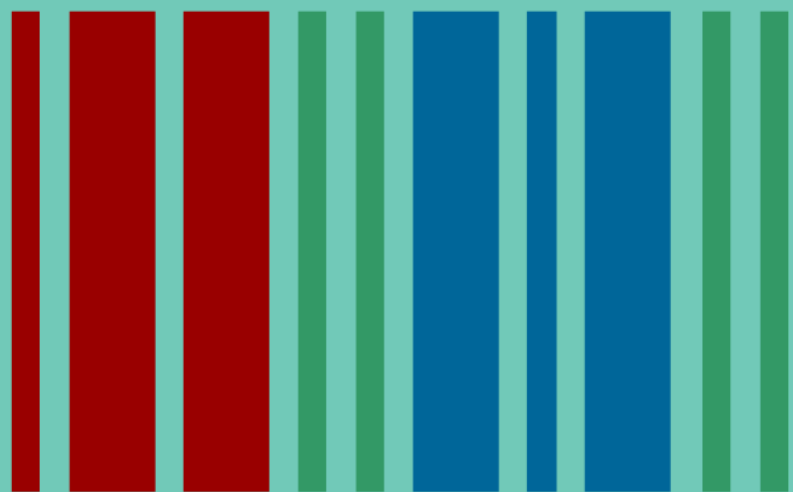
John Samuel
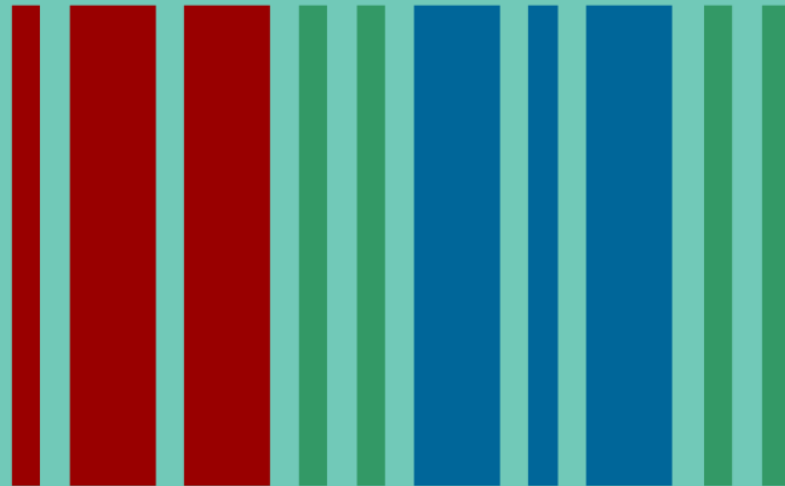
Akademy 2017, Almeria, 22nd July, 2017

Production [edit source]

- K3b – CD and DVD burning application
- k3bISO – ISO manager
- K9Copy – A DVD authoring program, similar to DVD Shrink
- Kamoso – an application to take pictures and videos from webcam[14]
- KAudioCreator – CD ripping and encoding[15]
- Kdenlive – Video editor
- Kid3 – An MP3, Ogg/Vorbis and FLAC tag editor[16]
- KMediaFactory – A template based DVD authoring tool[17]
- KMix – Sound Mixer
- KoverArtist – a program for the fast creation of covers for cd/DVD cases and boxes.[18]
- Kubeplayer – A video player dedicated to play online videos.[19]
- RecordItNow – Record desktop[20]
- soundKonverter – a frontend to various audio converters
- brewtarget – a calculator for brewing beer
  See also: Kdemultimedia

Office [edit source]

- Flow – a flowchart and diagram editor
- KEuroCalc – a currency converter and calculator

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

Template:KDE

			KDE	[hide]
V · T · E				
Software Compilation			KDE 1 · KDE 2 · KDE 3 · KDE SC 4 · **Post-fourth series** (KDE Frameworks 5 · KDE Plasma 5 · KDE Applications)	
KDE Core Applications	Development		Cervisia · KDbg · KDevelop · KImageMapEditor · Kompare · Lokalize · Quanta Plus · Umbrello	
	Education	Language	Artikulate · Kanagram · KHangMan · Kiten · KLettres · KWordQuiz	
		Mathematics	Cantor · KAlgebra · KBruch · Kig · KmPlot · LabPlot · Rocs	
		Misc	GCompris · KGeography · KTouch · KTurtle	
		Science	Kalzium · KBibTeX · kst · KStars · Marble · RKWard · Step	
	Graphics		digiKam · Gwenview · Karbon · KColorEdit · KolourPaint · KPhotoAlbum · Krita · Spectacle · Skanlite	
	Internet		Akregator · KGet · KMail · KMLDonkey · KNode · Konqueror · Konversation · Kopete · Kppp · KRDC · KTorrent · Rekonq	
	Multimedia		Amarok · Dragon Player · JuK · K3b · K9Copy · Kaffeine · Kdenlive	
	Office		Okular · **Calligra Suite** (Words · Sheets · Stage · Flow · Karbon · Krita · Kexi · Plan) · KAddressBook · Kile · KMyMoney · Kontact · KOrganizer · KPilot · Tellico · Trojitá	
	System		Dolphin · KDE Partition Manager · KDE System Guard · KInfoCenter · Konsole · Yakuake	
	Utilities		Ark · Filelight · KAlarm · Kate · KCalc · KGPG · Klipper · KJots · Krusader · KRename · KWallet · KWrite	
Platform	User interface	Current	KWin · KDE Plasma 5 · Oxygen Project	
		Discontinued	KDesktop · Kicker · SuperKaramba · KDE Plasma 4 · KSnapshot · Crystal Project	
	Current		KWin · SDDM (5–) · Qt · KDE Frameworks 5 (5–) (Akonadi · Flake · KJS · KHTML · KIO · ThreadWeaver · KIPI · KParts · Kross · Phonon · Solid · Sonnet · XMLGUI)	
	Discontinued		KDElibs (–3) · DCOP (3) · KDE Platform 4 (4) · KDM (–4) · NEPOMUK (4.13) · Soprano · Strigi	
	freedesktop.org (shared)		AppStream · D-Bus · GStreamer · NetworkManager · Poppler · Wayland · X.Org Server · PulseAudio	
Packages			Calligra Suite · Accessibility · Bindings · Education · Games · Graphics · Multimedia · Network · SDK · Utils · Web Dev · Extragear	
Community			KDE e.V. · Akademy · KDE.News · Konqi	
People			Matthias Kalle Dalheimer · Matthias Ettrich · Adriaan de Groot · Frank Karlitschek · Celeste Lyn Paul · Nuno Pinheiro · Cornelius Schumacher · Aaron Seigo · David Vignoni	
			⬡ **Category** · ⓘ **Project** · 🜨 **Commons**	

Template:KDE

V · D · M	**KDE**		[nascondi]
Software Compilation	KDE 1 · KDE 2 · KDE 3 · KDE SC 4		
Workspaces	KDM · KWin · Plasma		
Applicazioni	**Educazione**	Kalzium · KGeography · Kig · KLatin · KStars · KTouch · KTurtle · Marble · Step	
	Grafica	digiKam · Gwenview · KolourPaint · KPhotoAlbum · Krita · KSnapshot · Okular	
	Internet	Akregator · Blogilo · ChoqoK · KGet · KMess · KMLDonkey · KMail · Konqueror · Konversation · Kopete · kppp · KTorrent · rekonq	
	Multimedia	Amarok · Dragon Player · JuK · K3b · K9Copy · Kaffeine · Kdenlive · Kplayer	
	Sistema	Dolphin · KDE Partition Manager · KInfoCenter · Konsole · Yakuake	
	Sviluppo	Kdesvn · KDevelop · Quanta Plus · Umbrello UML Modeller	
	Ufficio	Flow · KAddressBook · Kexi · Kile · KMyMoney · Kontact · KOrganizer · KPilot · KWord · Calligra Plan · Calligra Suite · Calligra Stage · Calligra Tables · Tellico · Calligra Words	
	Utility	Ark · Filelight · Kate · KCalc · KColorEdit · KGPG · Klipper · Krusader · KWrite · KWallet · SuperKaramba	
Piattaforma	Akonadi · Decibel · Flake · KConfig XT · KJS · KDOM · KHTML · KIO · Kiosk · KIPI · KParts · Kross · KSVG · KWin · Nepomuk · Oxygen · Phonon · Solid · Sonnet · Soprano · Strigi · ThreadWeaver · XMLGUI		
Moduli	Calligra Suite · KDELibs · kdebase · KDE Accessibility Project · Kdeadmin · Kdeartwork · kdebindings · KDE Education Project · Extragear · Kdegames · Kdegraphics · Kdemultimedia · kdenetwork · kdepim · Kdepimlibs · kdeplasma-addons · kdesdk · Kdetoys · kdeutils · kdewebdev · KOffice		
Comunità	KDE e.V. · Akademy · KDE.News · Konqi · Matthias Ettrich · Cornelius Schumacher		

https://en.wikipedia.org/wiki/Template:KDE

Modèle:Palette KDE

KDE [masquer]

Versions		KDE 1 (en) · KDE 2 (en) · KDE 3 (en) · KDE SC 4
Composants du bureau		KDM · KWin · Plasma · Configuration du système (en)
Applications	**Développement**	Cervisia (en) · KDbg (en) · KDESvn · KDevelop · KImageMapEditor (en) · Kompare · Kommander · Lokalize (en) · Quanta Plus · Umbrello
	Éducation	Cantor (en) · Kalzium · KBibTeX (en) · KGeography · KHangMan (en) · Kig · Kiten · Kst (en) · KmPlot · KStars · KTouch · KTurtle · LabPlot (en) · Marble · RKWard · Step (en)
	Jeux	KAtomic (en) · KBounce (en) · Kolf (en) · KMines
	Graphisme	digiKam · Gwenview · KColorEdit (en) · KolourPaint · KPhotoAlbum · KPovModeler · KRuler · Krita · KSnapshot · KuickShow · Okular · Skanlite (en)
	Internet	Akregator · Blogilo · ChoqoK · KGet · KFTPGrabber · KMail · KMess · KMLDonkey (en) · KNetAttach · KNode · Konqueror · Konversation · Kopete · KPPP (en) · KRDC (en) · KTorrent · Rekonq
	Multimédia	Amarok · Dragon Player · Frescobaldi · JuK · K3b · K9Copy (en) · Kaffeine · Kdenlive · KMix · KMPlayer
	Bureau	KAddressBook (en) · Kexi · Kivio · KMyMoney · KonsoleKalendar · Kontact · KOrganizer · KPilot (en) · KPlato · KPresenter · KSpread · KWeather · KWord · Skrooge · Tellico
	Système	Dolphin · KDE Partition Manager (en) · KDE System Guard (en) · KDiskFree · KInfoCenter (en) · Konsole · Yakuake
	Utilitaires	Ark · BasKet Note Pads (en) · Filelight · Kate · KCalc · KCharSelect · KGPG (en) · KJots · Klipper · KNotes · Krusader · KWrite · RSIBreak (en) · SuperKaramba
Composants de l'environnement		Akonadi · Decibel · Flake (en) · KConfig XT · KJS · KDOM · KHTML · KIO · Kiosk · KIPI · KSVG · KParts · NEPOMUK · XMLGUI · Kross · Oxygen · Phonon · Solid · Sonnet · Soprano · Strigi · ThreadWeaver
Modules		Calligra Suite · KDELibs · KDE Accessibility · kdeadmin (en) · Kdeartwork · kdebindings (en) · KDE Education · Extragear · Kdegames · kdegraphics (en) · kdemultimedia (en) · kdenetwork (en) · Kdepim · Kdepimlibs · kdeplasma-addons · kdesdk · Kdetoys · Kdeutils (en) · Kdewebdev (en)
Communauté		KDE e.V. (en) · Akademy (en) · KDE.News (en) · Konqi · Matthias Kalle Dalheimer (en) · Matthias Ettrich · Frank Karlitschek (en) · Sebastian Kügler · Celeste Lyn Paul (en) · Nuno Pinheiro (en) · Cornelius Schumacher (en) · Aaron Seigo (en) · David Vignoni (en)

Predefinição:KDE

Origem: Wikipédia, a enciclopédia livre.

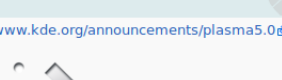| v · e	KDE		[Esconder]
Compilações de Software	KDE 1 · KDE 2 · KDE 3 · KDE SC 4		
Espaços de trabalho	KDM · KWin · Plasma		
Aplicativos	Desenvolvimento	Cervisia · KDbg · KDESvn · KDevelop · KImageMapEditor · Kompare · Lokalize · Quanta Plus · Umbrello	
	Educação	Cantor · Kalzium · KGeography · KHangMan · Kig · Kiten · KStars · KTouch · Kturtle · Marble · Step	
	Jogos	KAtomic · KBounce · Kolf · KMines	
	Gráficos	digiKam · Gwenview · Karbon · KColorEdit · KolourPaint · KPhotoAlbum · KPovModeler · Krita · KSnapshot · Okular	
	Rede	Akregator · ChoqoK · KGet · KFTPGrabber · KMail · KMess · KMLDonkey · KNode · Konqueror · Konversation · Kopete · KPPP · KRDC · KTorrent	
	Multimídia	Amarok · Dragon Player · JuK · K3b · K9Copy · Kaffeine · Kdenlive · KMPlayer	
	Escritório	KAddressBook · Kexi · Kile · Kivio · KMyMoney · KonsoleKalendar · Kontact · KOrganizer · KPilot · KPlato · KPresenter · KSpread · Kst · KWord · LabPlot · RKWard · Skrooge · Tellico	
	Sistema	Dolphin · KDE Partition Manager · KDE System Guard · KInfoCenter · Konsole · Yakuake	
	Utilidades	Ark · BasKet Note Pads · Filelight · KAlarm · Kate · KCalc · KGPG · Klipper · KJots · Krusader · KWallet · KWrite · RSIBreak · SuperKaramba	
Plataforma	Akonadi · Decibel · Flake · KJS · KDOM · KHTML · KIO · Kiosk · KIPI · KParts · Kross · KSVG · NEPOMUK · Oxygen · Phonon · Solid · Sonnet · Soprano · Strigi · ThreadWeaver · XMLGUI		
Módulos	KDELibs · KDEBase · kdebase-runtime · kdebase-workspace · Accessibility · Administration · Kdeartwork · Bindings · Educação · Extragear · Games · Graphics · Multimídia · Kdenetwork · PIM · Kdepimlibs · kdeplasma-addons · SDK · Kdetoys · Utils · kdewebdev · KOffice		
Comunidade	KDE e.V. · Akademy · Akademy-BR · KDE.News · Konqi · Matthias Kalle Dalheimer · Matthias Ettrich · Frank Karlitschek · Sebastian Kügler · Celeste Lyn Paul · Nuno Pinheiro · Cornelius Schumacher · Aaron Seigo · David Vignoni		

English

KDE Plasma 5

The KDE Plasma 5 desktop

Developer(s)	KDE
Initial release	15 July 2014; 3 years ago[1]
Stable release	5.10.3 (27 July 2017; 9 days' time) [±][2]
Preview release	5.8 Beta (15 September 2016; 9 months ago) [±][3]
Repository	anongit.kde.org/kdesrc-build
Development status	Active
Written in	C++, QML
Operating system	Linux, Unix-like
Platform	KDE
Type	Graphical shell Widget engine Linux on the desktop

Spanish

KDE Plasma 5

www.kde.org/announcements/plasma5.0

Captura de Plasma 5.4

Información general	
Desarrollador(es)	KDE
Lanzamiento inicial	15 de julio de 2014[1] (info)
Última versión estable	5.9.1 (info) 7 de febrero de 2017 (5 meses y 10 días)
Última versión en pruebas	5.8 beta (info) 15 de septiembre de 2016 (10 meses y 2 días)
Género	Shell
Programado en	C++, QML
Sistema operativo	Linux, FreeBSD

Italian

KDE Plasma 5

KDE Plasma 5.4

Sviluppatore	KDE
Release iniziale	5.0 (15 luglio 2014)
Release corrente	5.10.3 (27 giugno 2017; 20 giorni fa)
Licenza	GNU GPL
Stadio di sviluppo	attivo
Predecessore	KDE SC4
Sito web	www.kde.org/announcements/plasma5.0/

Modifica dati su Wikidata · Manuale

German

KDE Plasma 5

KDE Plasma 5

Basisdaten	
Entwickler	KDE
Aktuelle Version	5.10
Betriebssystem	FreeBSD, Linux, Solaris, Windows
Programmiersprache	C++ (Qt)
Kategorie	Programmsammlung
Lizenz	GPL und LGPL[1]
deutschsprachig	ja
kde.org/workspaces/	

KDE Plasma 5 (English, Spanish, Italian, German)

KDE Frameworks 5

Original author(s)	KDE
Developer(s)	KDE
Initial release	1 July 2014; 3 years ago
Stable release	5.34.0 (May 13, 2017; 2 months ago) [±][1]
Preview release	5.0 beta 3 (June 5, 2014; 3 years ago) [±][2]
Repository	quickgit.kde.org
Written in	C++ (Qt)
Operating system	Cross-platform (including "partial" support for Android,[3][4] Windows[5] and OS X)

KDE Frameworks

api.kde.org/frameworks

Información general	
Desarrollador(es)	KDE
Lanzamiento inicial	1 de julio de 2014
Última versión estable	5.29.0 25 de diciembre de 2016 (6 meses y 23 días)
Última versión en pruebas	5.0 beta 3 5 de abril de 2014 (3 años, 3 meses y 12 días)
Género	Framework
Programado en	C++
Sistema operativo	Multiplataforma (con soporte parcial para Windows, Mac OS y Android)

KDE Frameworks 5 (English, Spanish)

which is composed of the year and month. A third digit is used for bugfix releases.

	KDE Applications Bundle release history		
Version	**Key feature**		**Date**
14.12[1]	Kate, Konsole, Gwenview, KAlgebra, Kanagram, KHangman, Kig, Parley, KApptemplate and Okteta ported to KDE Frameworks 5.		17 Dec 2014
15.04[3]	Rocs, Cantor, Kompare, Kdenlive and KDE Telepathy ported to KDE Frameworks 5.		15 Apr 2015
15.08[4]	Dolphin and Ark ported to KDE Frameworks 5. Technology preview of KF5-based Kontact suite.		19 Aug 2015
15.12[5]	KSnapshot was replaced by Spectacle, KTuberling, Klickety and KNavalBattle have also been updated to use KDE Frameworks 5.		16 Dec 2015
16.04[6]	New music education software (Minuet), KHelpCenter now part of KDE Applications, bugfixes to Kontact, Ark		20 Apr 2016
16.08[7]	Kolourpaint, Cervisia, KDiskFree, The Kontact Suite, Marble		18 Aug 2016
16.12[8]	Kwave; Okular, Konqueror, KGpg, KTouch and Kalzium ported to KDE Frameworks 5.		15 Dec 2016
17.04			20 Apr 2017
17.08			

🟥 Old version   🟩 **Latest version**   🟧 Latest preview version   🟦 Future release

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

WIKIDATA

1. Wikidata

Wikidata is free

WIKIDATA

Wikidata is free, open

WIKIDATA

Wikidata is free, open, linked

WIKIDATA

Wikidata is free, open, linked,

structured

WIKIDATA

Wikidata is free, open, linked, structured, collaborative

WIKIDATA

Wikidata is free, open, linked, structured, collaborative and multilingual

Akregator (Q1765672)

feed reader   ✏ edit

▼ In more languages ^{Configure}

Language	Label	Description	Also known as
English	Akregator	feed reader	
French	Akregator	logiciel informatique	

https://www.wikidata.org/wiki/Q1765672

Q-number

https://www.wikidata.org/wiki/Q1765672

Statements

instance of	application	edit
	▾ 0 references	
		+ add reference
	news aggregator	edit
	▾ 0 references	
		+ add reference
		+ add

| image | Akregator.png | edit |
| | ▸ 1 reference | |

Déclarations

nature de l'élément	application ⋯	✎ modifier
	▾ 0 référence	
		+ ajouter une référence
	agrégateur ⋯	✎ modifier
	▾ 0 référence	
		+ ajouter une référence
		+ ajouter

| image | Akregator.png ⧉ | ✎ modifier |
| | ▸ 1 référence | |

instance of (P31)

that class of which this subject is a particular example and member. (Subject typically an individual member with Proper N: ✎ edit
label.) Different from P279 (subclass of).
is a | is an | has class | has type | is a particular | is a specific | is an individual | is a unique | is an example of | member
of | unique individual of | distinct member of | non-type member of | unsubclassable example of | uninstantiable instance
of | unsubclassifiable member of | not a type but is instance of | unsubtypable particular | unitary element of class | distinct
element of | distinct individual member of | occurrence of | ∈ | rdf:type

▾ In more languages ^{Configure}

Language	Label	Description	Also known as
English	instance of	that class of which this subject is a particular example and member. (Subject typically an individual member with Proper Name label.) Different from P279 (subclass of).	is a is an has class has type is a particular is a specific is an individual is a unique is an example of

https://www.wikidata.org/wiki/Property:P31

P-number

https://www.wikidata.org/wiki/Property:P31

WIKIDATA

Q-number and P-number

WIKIDATA

2. What to edit?

1. instance of P31
2. image P18
3. logo image P154
4. GUI toolkit or framework P1414
5. software version P348
6. ...

All those numbers!!!

Properties [edit]

Title	ID	Data type	Description	Examples	Inverse
price	P2284	Quantity	price: published price listed or paid for a product (use with unit of currency)	Warfarin sodium 1 mg tab-cap *<price>* 1.18 United States dollar	-
language of work or name	P407	Item	for works (for original language use P364 and for persons P103 and P1412)	Autobiografia di Alice Toklas (translation) *<language of work or name>* Italian	-
has part	P527	Item	has part: part of this subject. Inverse property of "part of" (P361).	MakeHuman *<has part>* data set	part of
has part with qualifier license	P275	Item	license: license under which this part of the copyrighted work is released	MakeHuman *<has part>* data set *<license>* CC0	-
license	P275	Item	license: license under which this copyrighted work is released	Inkscape *<license>* GPL-2.0	-
software quality assurance	P2992	Item	software quality assurance: quality assurance process in place for a particular software	Comprehensive Knowledge Archive Network *<software quality assurance>* continuous integration	-
package management system	P3033	Item	package management system: package management system used to publish the software	Mozilla Firefox *<package management system>* dpkg	-
software quality assurance with qualifier described at URL	P973	URL	the URL describing the quality assurance process in place	Loomio *<software quality assurance>* continuous integration *<described at URL>* https://github.com/loomio/loomio/blob/master/.travis.yml	-

https://www.wikidata.org/wiki/Wikidata:WikiProject_Informatics/Software/Properties

Wikidata Projects

1. WikiProject Informatics/Software
2. WikiProject Informatics/Operating System
3. WikiProject Informatics/Programming Language
4. ...

3. How to edit?

Manual

1. Quickstatements(2)
2. HarvestTemplates
3. PetScan

1. Quickstatements

- ○ CREATE
- ○ LAST Len "Software Name"
- ○ LAST Lfr "Nom du logiciel"
- ○ LAST Den "description"
- ○ LAST Dfr "la description"
- ○ LAST P31 Q?

1. Quickstatements
2. HarvestTemplates
   - Import data from Wikipedia Templates (e.g., Infoboxes)
   - Template Name, Property Name, P-Number

1. Quickstatements
2. HarvestTemplates
3. PetScan
   - Find Wikipedia articles matching categories
   - Edit Wikidata items

Writing bots

Bots using MediaWiki API

4. Wikipedia or Wikidata?

Integration between Wikipedia infoboxes and Wikidata

Alhambra

UNESCO World Heritage Site

Location	Granada, Spain ✏
Coordinates	🌐 37°10′37″N 3°35′24″W
Criteria	i, iii, iv
Reference	314bis⧉
Inscription	1984 (Extension: 1994) (Unknown Session)
Website	www.alhambradegranada.org⧉

Location of Alhambra

[edit on Wikidata]

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

Automated article generation

Akregator is a news aggregator application in KDE. It was developed in QT GUI framework.

Conclusion

1. KDE Evolution
2. Automation and Collaboration
3. Linguistic Diversity

- References
  1. Wikidata in Wikipedia, Mike Peel, Wikimania 2016
  2. Wikimedia Commons
  3. MediaWiki API (https://www.mediawiki.org/wiki/API:Main_page)
  4. Article Placeholder (https://www.mediawiki.org/wiki/Extension:ArticlePlaceholder)
  5. Quickstatements (https://tools.wmflabs.org/wikidata-todo/quick_statements.php)
  6. HarvestTemplates (https://tools.wmflabs.org/pltools/harvesttemplates
  7. PetScan (http://petscan.wmflabs.org/)
  8. Pywikibot (https://www.mediawiki.org/wiki/Manual:Pywikibot)

- Acknowledgements
  1. Wikimedia Hackathon 2017
  2. Wikidata community members

Q19279214!

Gracias! Thanks! Merci!