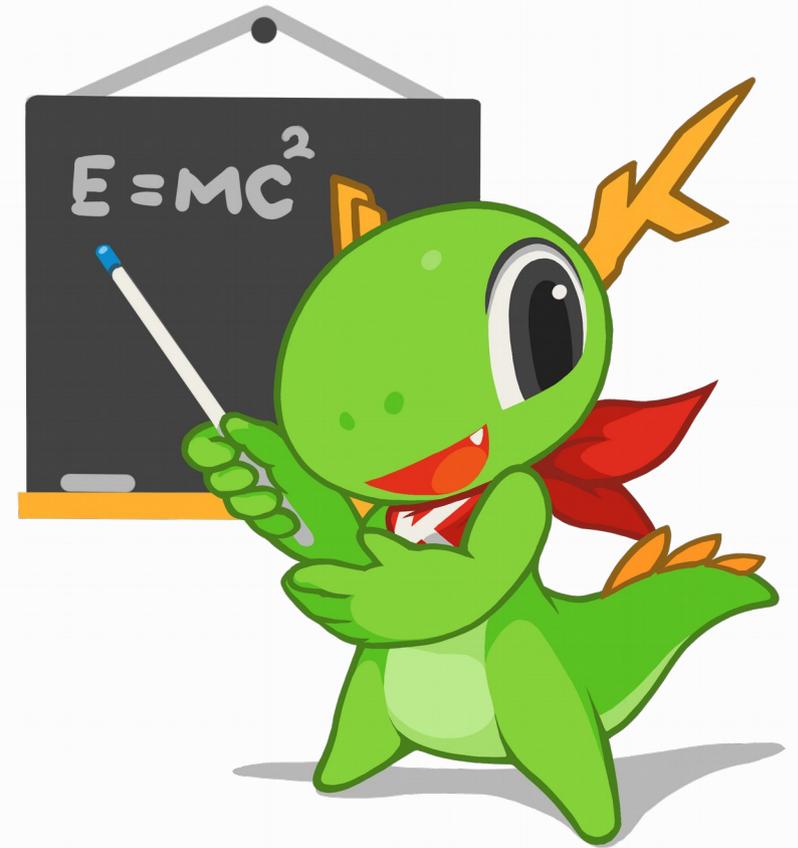


KDE

Una panoramica per
utenti e potenziali
contributori

Elvis Angelaccio

`elvis.angelaccio@kdeemail.net`



Cosa è KDE?

- Free software community internazionale
- Famosa e riconosciuta per uno dei migliori Desktop Environment per sistemi UNIX
- Offre anche un gran numero di programmi di svariata natura



Un desktop abbastanza famoso...

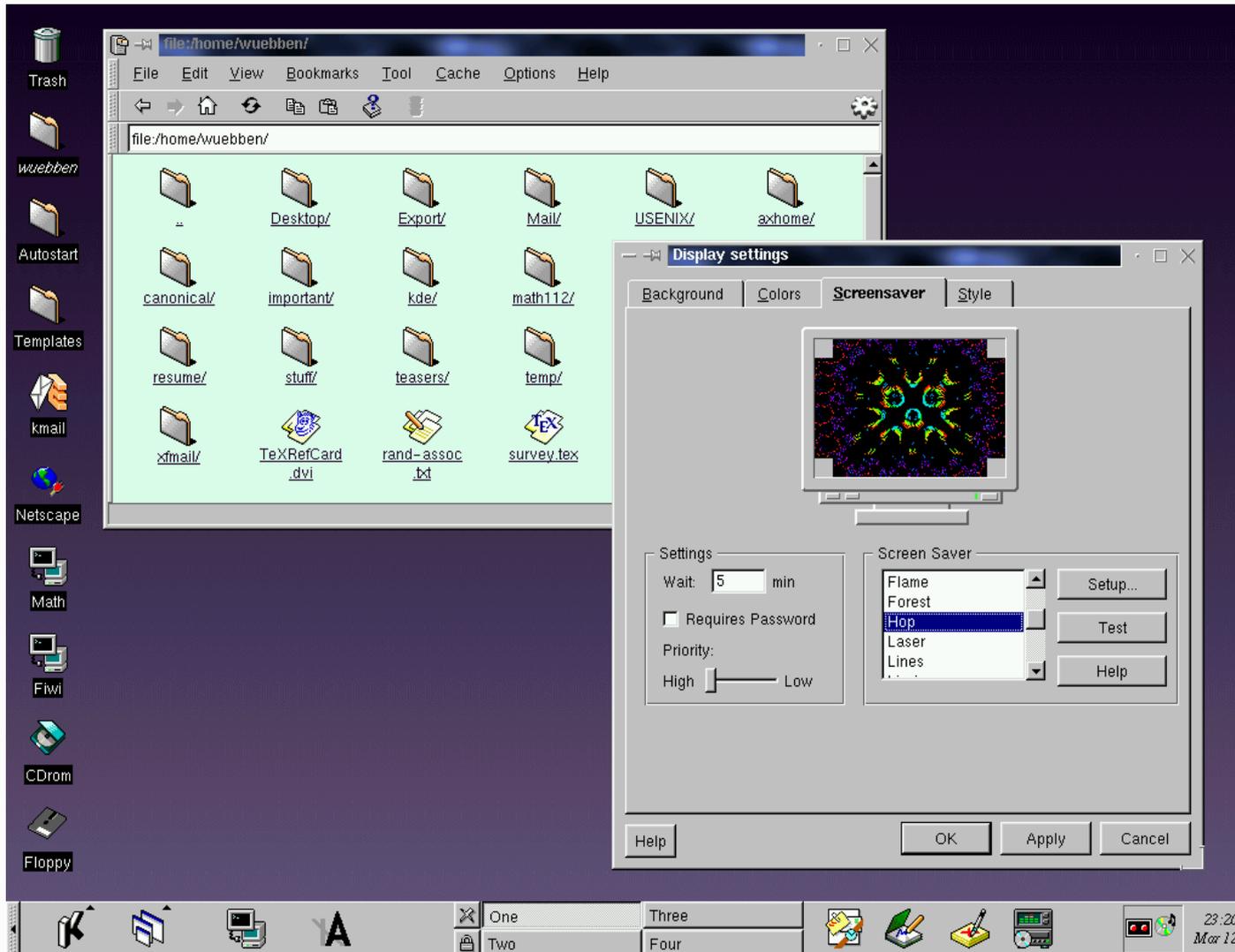


[reddit.com]



24 Ottobre 2015

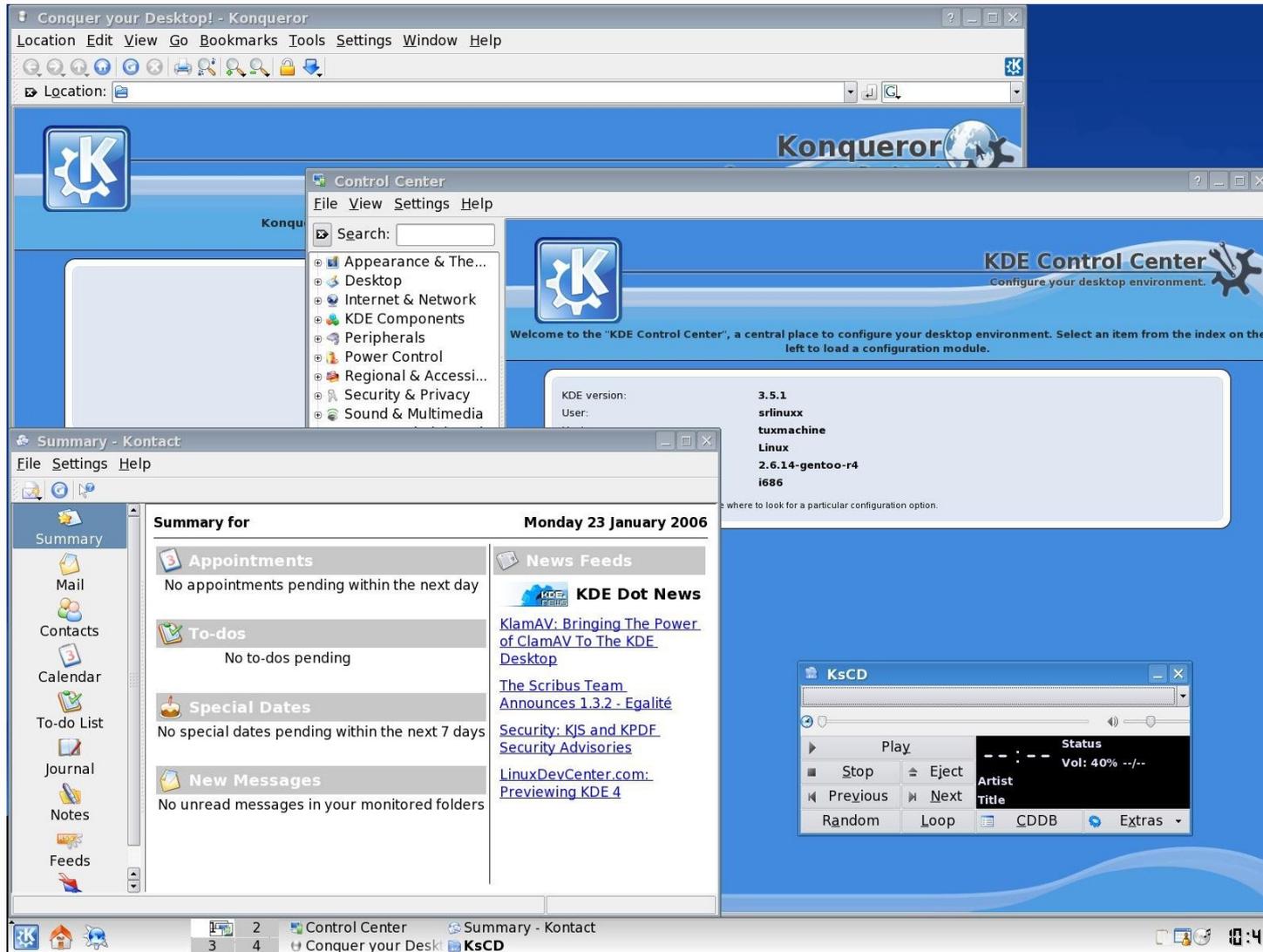
Un pò di storia: KDE 1.0 (1998)



[wikipedia.org]



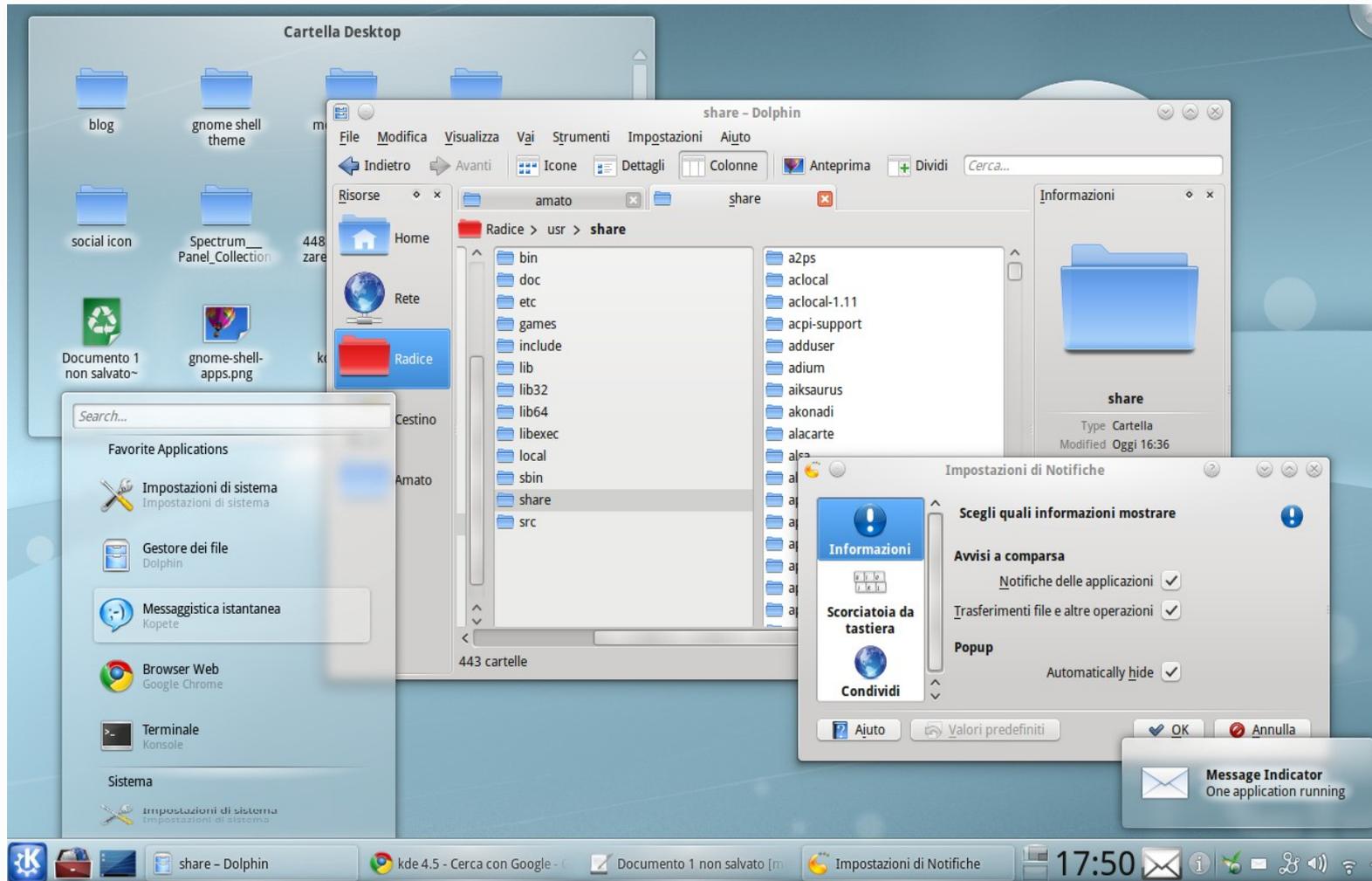
KDE 3.5 (2005)



[tuxmachines.org]



KDE 4.5 (2010)

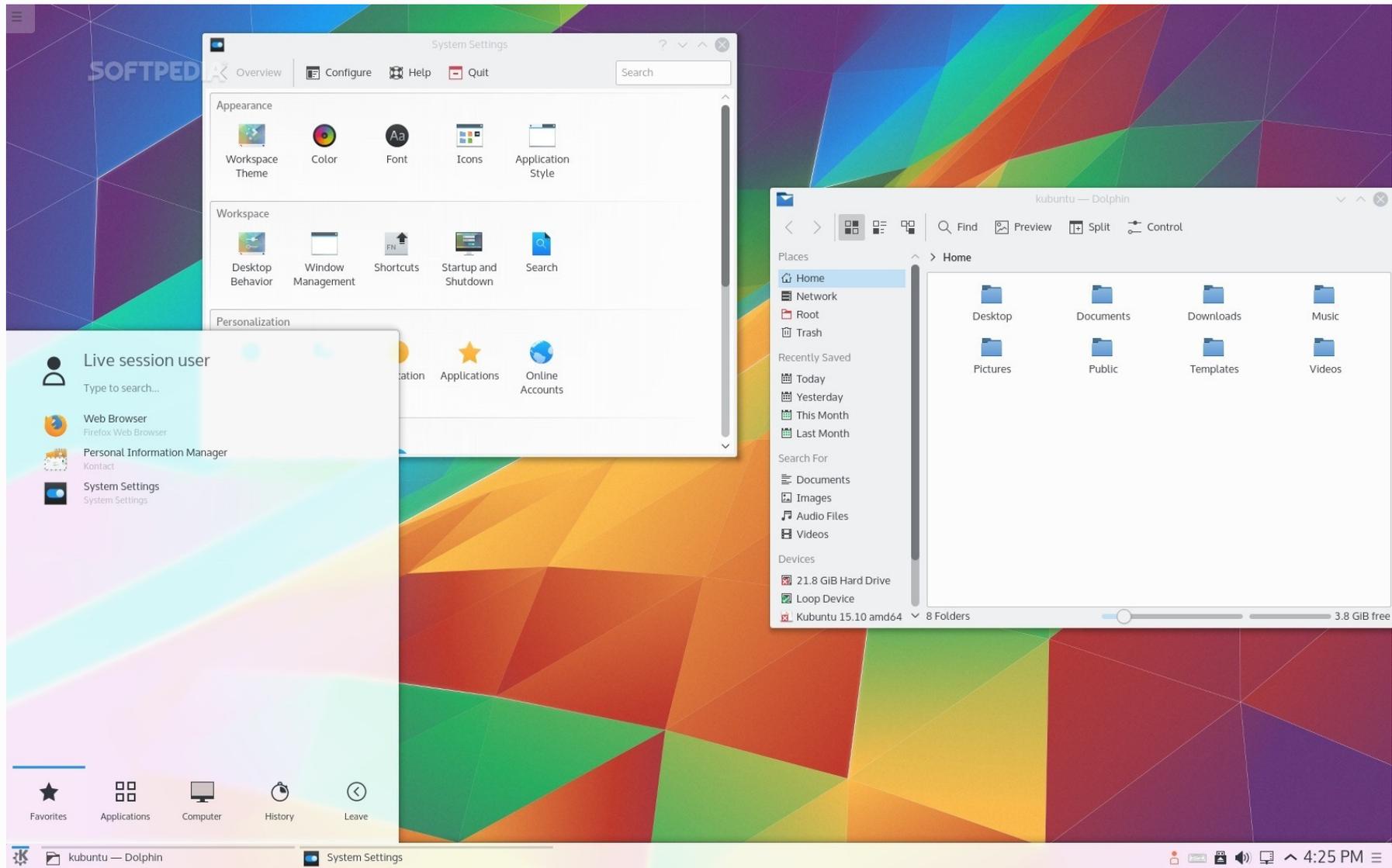


[pcfaidate.com]



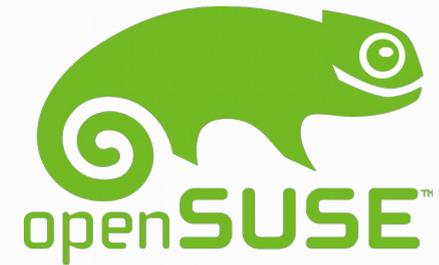
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Plasma 5.4 (2015)



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Principali distribuzioni KDE

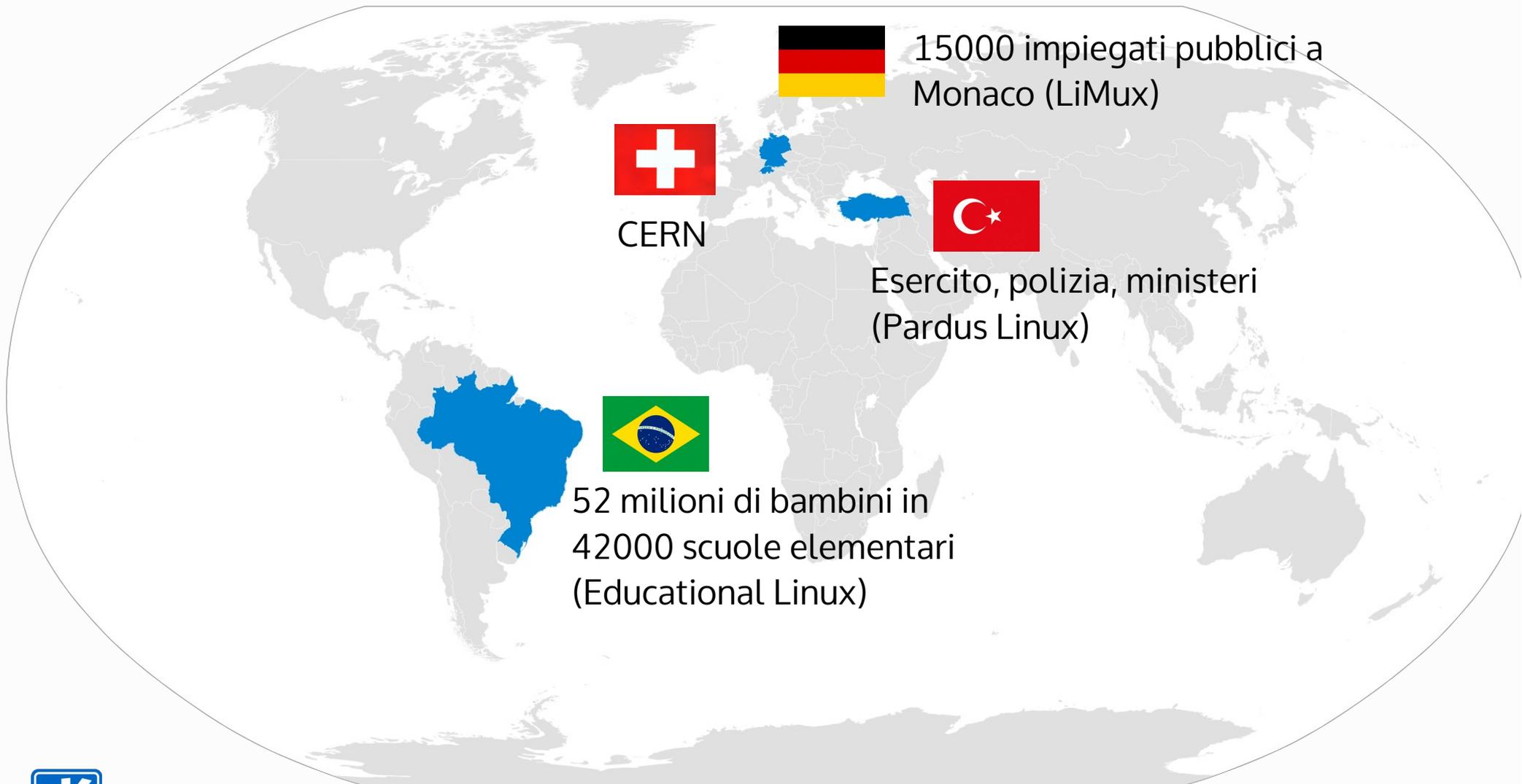


Un po' di numeri

- 19 anni di esperienza
 - Più di 4000 contributor accounts
 - Più di 22 milioni di linee di codice
- Disponibile in più di 70 lingue
- Milioni di utenti nel mondo



KDE nel mondo



Non tutti sanno che...

- Chrome deriva da software KDE!
- Chrome usa(va) WebKit
- WebKit è un fork di KHTML + KJS
 - KHTML = KDE HTML layout engine
 - KJS = KDE Javascript engine

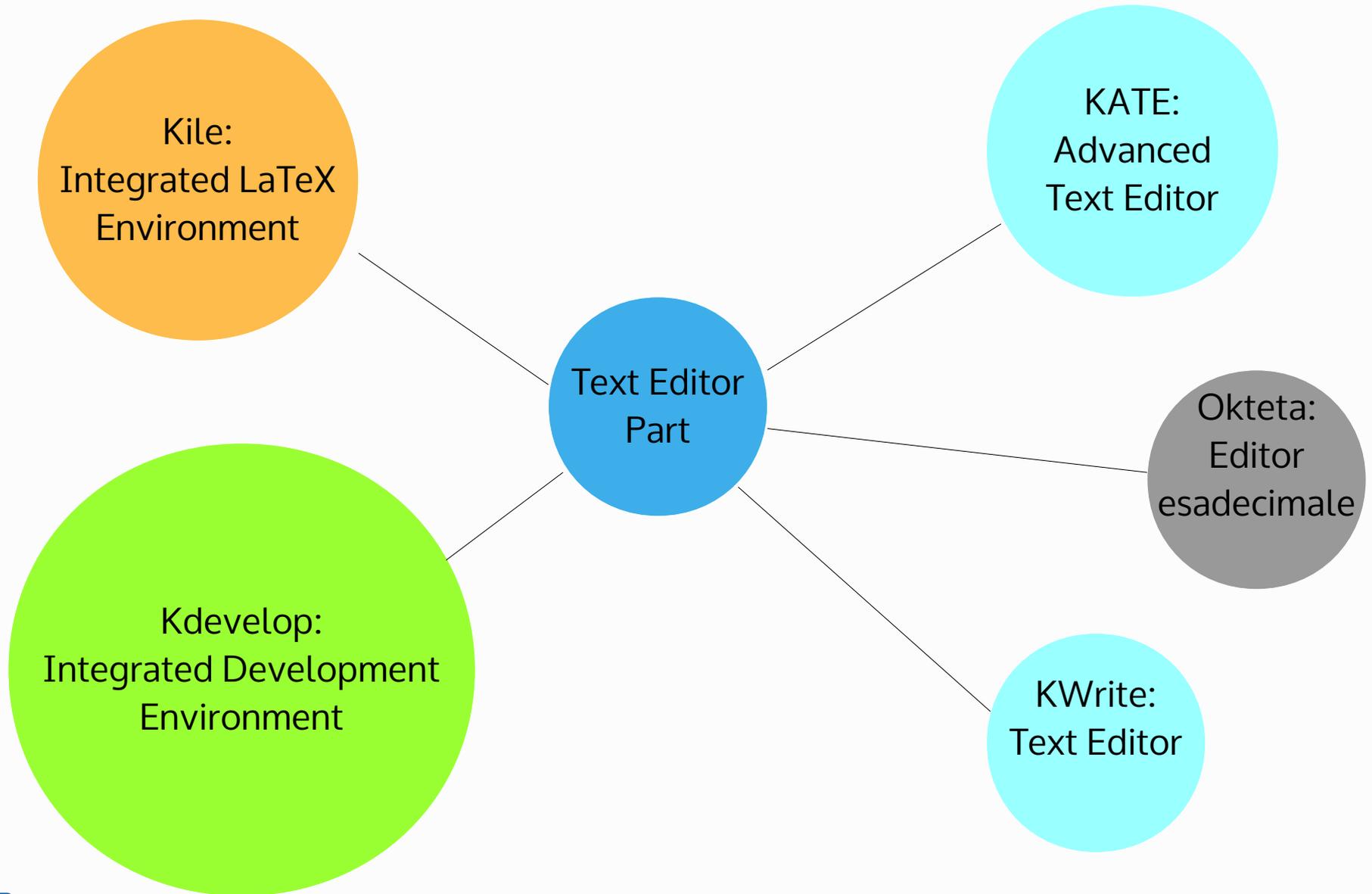


Perchè usare software KDE?

- Funzionalità esclusive
- Applicazioni allo stato dell'arte
- Capacità di evolversi ed adattarsi nel tempo
- Modularità
- Basato su Qt



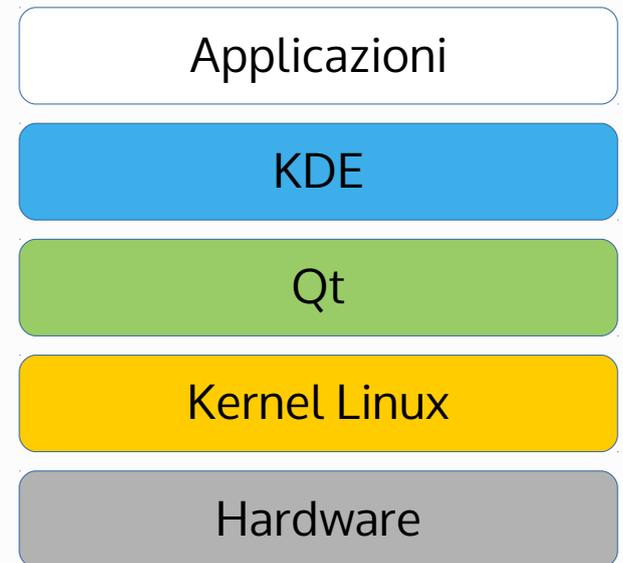
KParts





Cosa è Qt?

- Framework per creare programmi C++
- Creato da Trolltech, poi acquisito da Nokia, poi venduto a Digia



Perchè Qt?

- Cross-platform (per davvero)
 - Supporto in GTK è invece limitato
- Standard de-facto per applicazioni GUI
- C++
 - GTK usa C, C# o Vala...



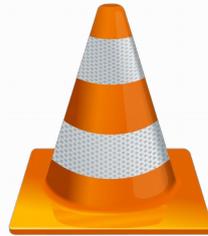
Alcune app Qt...



VirtualBox



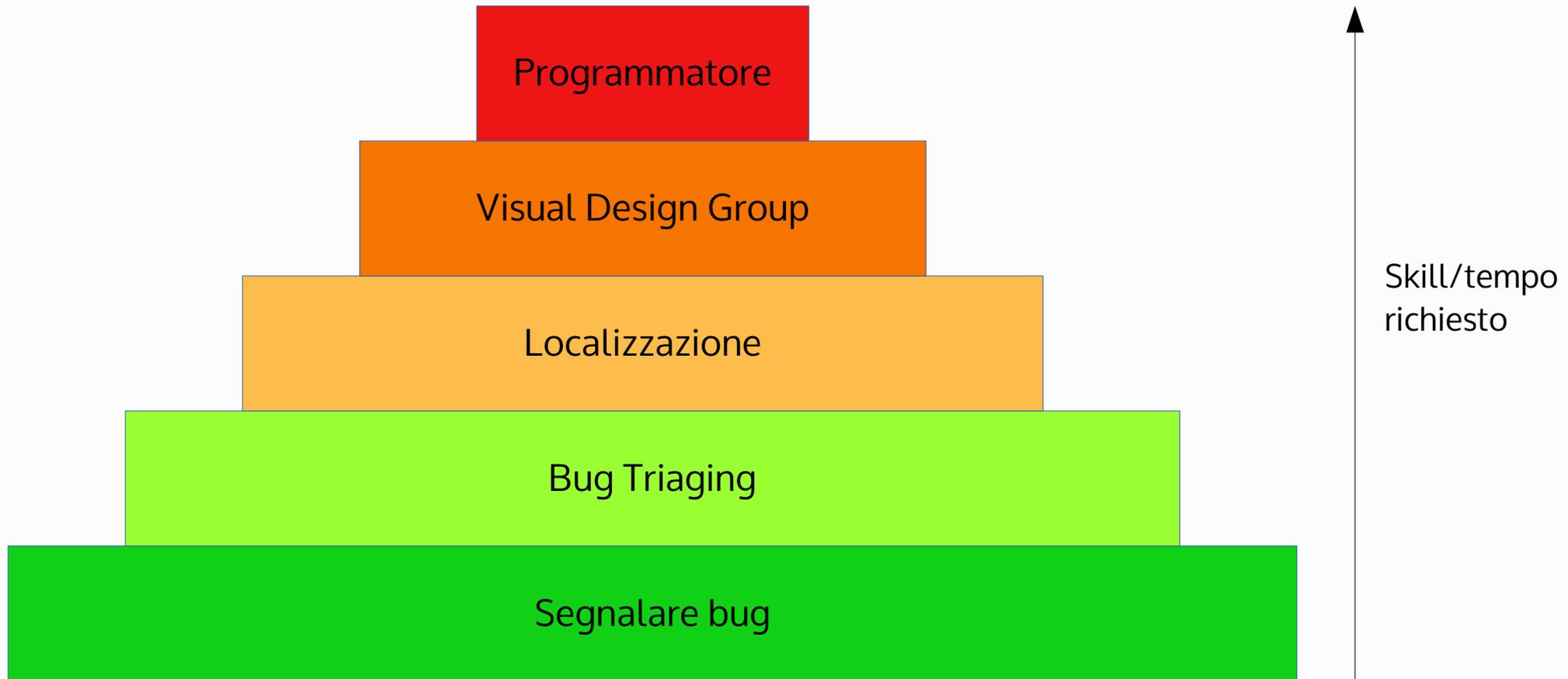
Porting da GTK a Qt



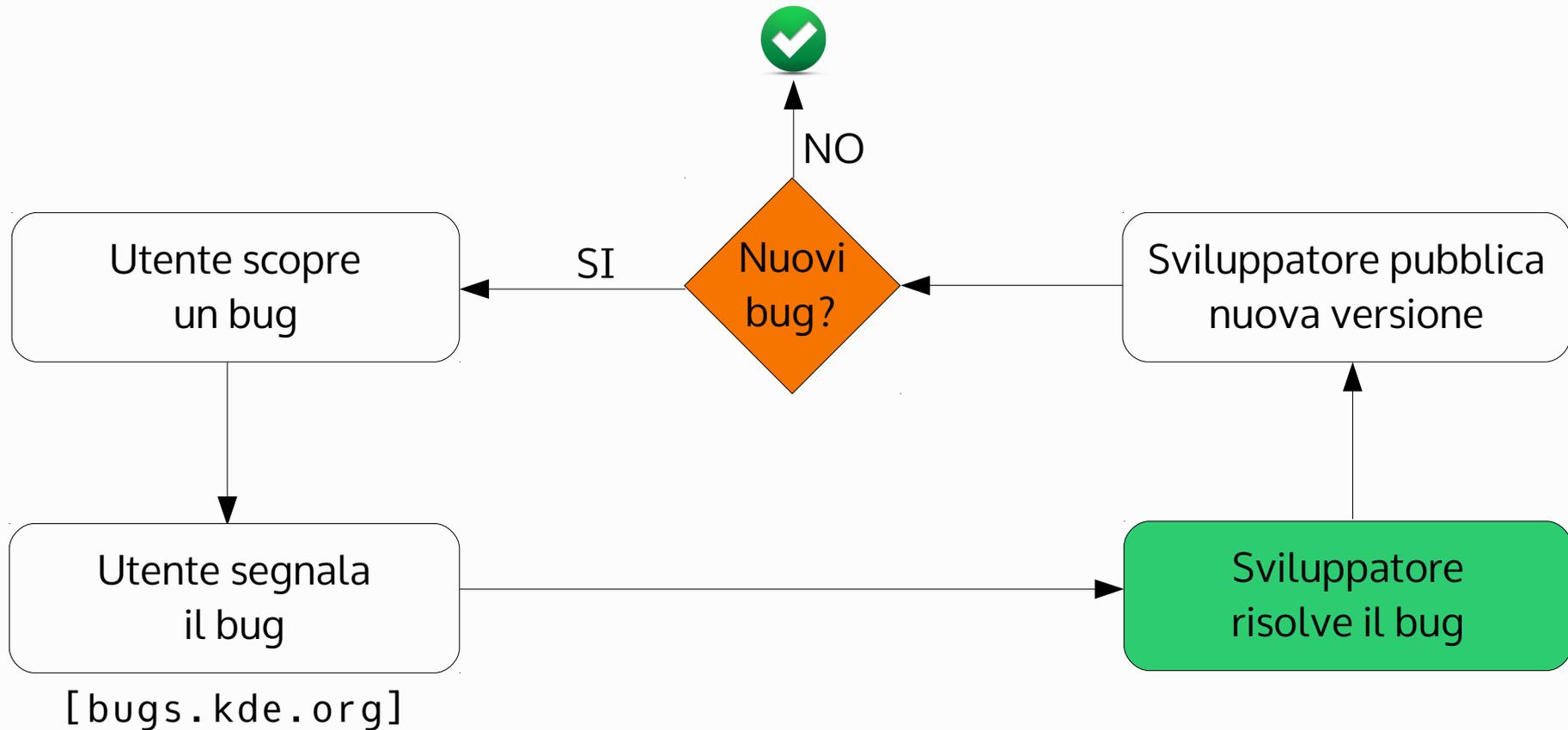
- Interi Desktop Environment!
 - LXDE → LXQt
 - Ubuntu Unity 2D



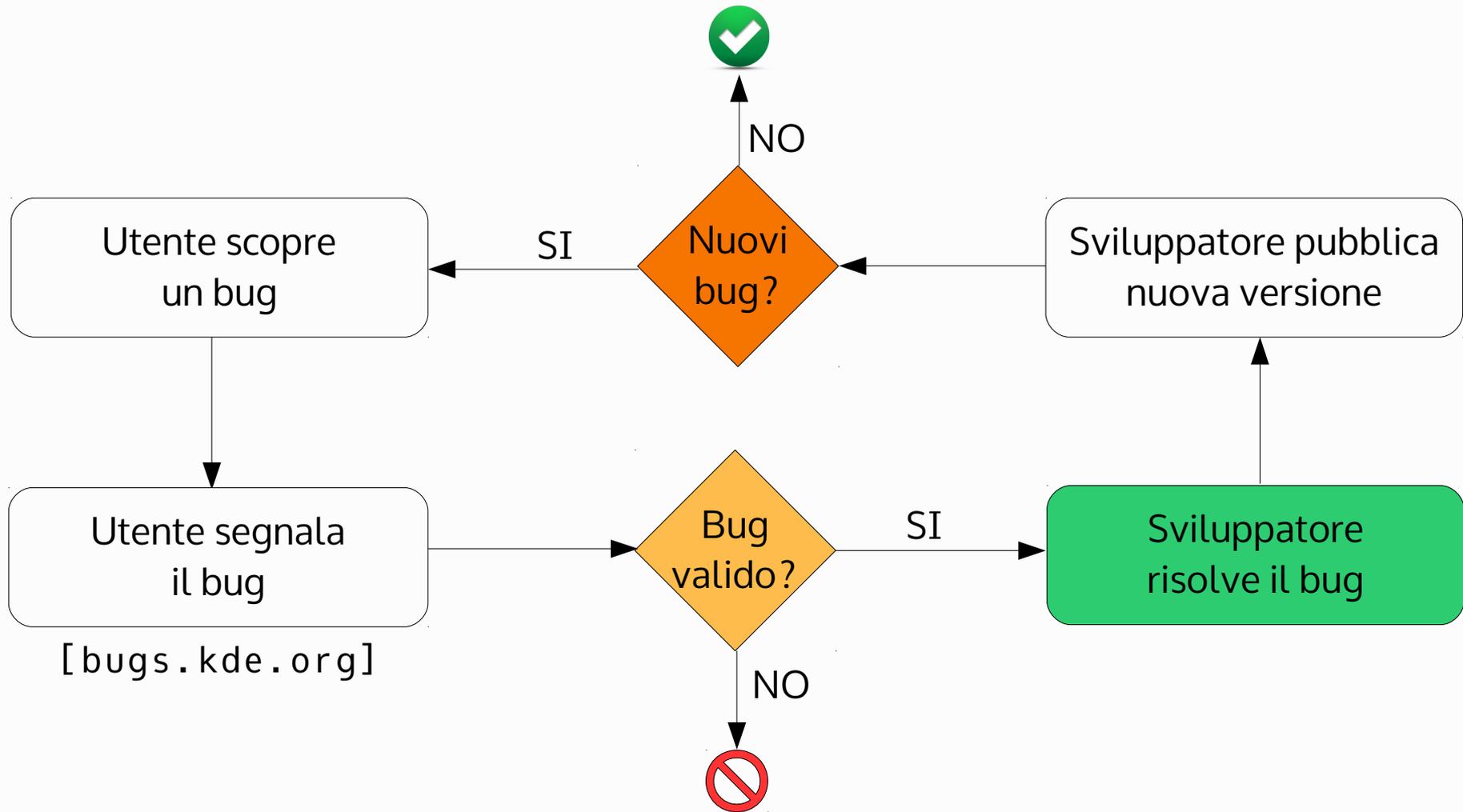
Come contribuire?



Segnalare Bug



Bug Triaging



Visual Design Group: mockups

[vdesign.kde.org]

The screenshot shows a KDE-style interface for a contact named 'Kontakt +'. It features a top toolbar with icons for Open, Save, Print, Foo, Bar, Blah, Blub, Help, and a menu icon. The main area is divided into three sections: a left sidebar for smart folders, a central email thread table, and a bottom section for the selected email's details and content.

Smart folders:

- Physics**
Receiver=physics* AND Sender<>Heisenberg AND Date>1905
- Nobel price
- Interesting
- Spam

Modules:

- Calendar
- Addressbook
- Notes
- GHNS**

Email Thread Table:

Thread	Sender	Date	Flags	Topic
○	Albert Einstein <albert.einstein@science.o>	1915-Apr-01 06:43	📄	New theory about relativity
○	Karl Schwarzschild <karl@schwartz.com>	1915-Apr-01 06:45		Re: New theory about relativity
○	Albert Einstein <albert.einstein@science.o>	1915-Apr-01 06:46	📄	Re: New theory about relativity
○	Niels Bohr <bohrn@academy.dk>	1915-Apr-01 06:46		Nonsense!
○	Albert Einstein <albert.einstein@science.o>	1915-Apr-01 07:03		Re: Nonsense
●	JJ Thomson <thomson@united.co.uk>	1915-Apr-01 07:45		Re: Nonsense Was: New theory about relat
○	Niels Bohr <bohrn@academy.dk>	1915-Apr-01 07:46		Re: Nonsense Was: New theory about relat
○	Karl Schwarzschild <karl@schwartz.com>	1915-Apr-02 09:46		Re: Nonsense
○	Jay D. Waals <waals@physics.nl>	1915-Apr-11 16:06		Re: New theory about relativity
○	Albert Einstein <albert.einstein@science.o>	1915-Apr-12 08:21	📄 !	Re: New theory about relativity

Selected Email Details:

From: JJ Thomson <thomson@united.co.uk>
To: physics@kde.org
CC: albert.einstein@science.org
Topic: Re: Nonsense, Was: New theory about relativity
Date: 1915-Apr-01, 07:45 [Show more](#)

Content:

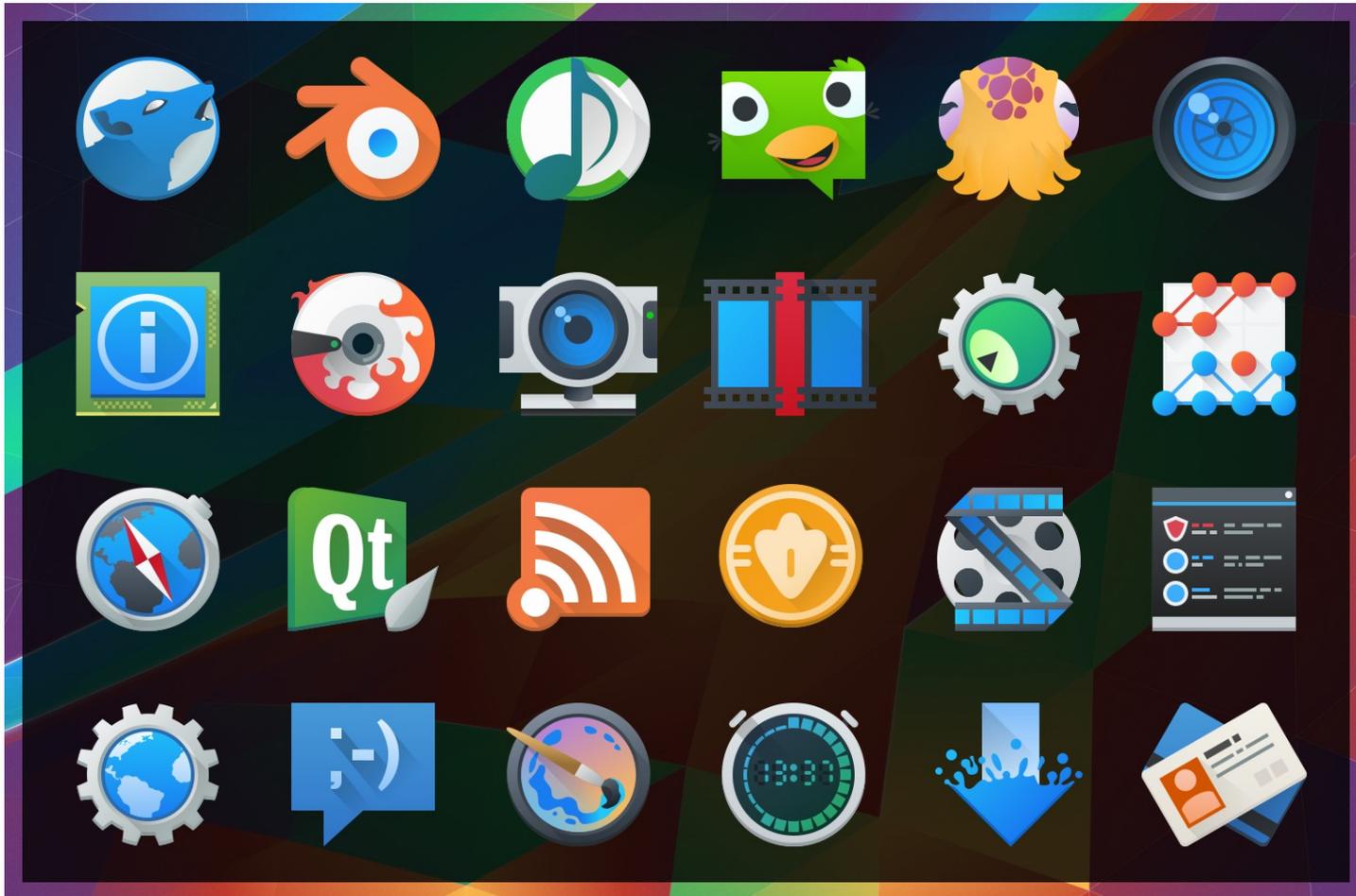
>Lorem ipsum dolor sit amet,
>consectetur adipisicing elit,
>sed do eiusmod tempor incididunt
>ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



Visual Design Group: icone

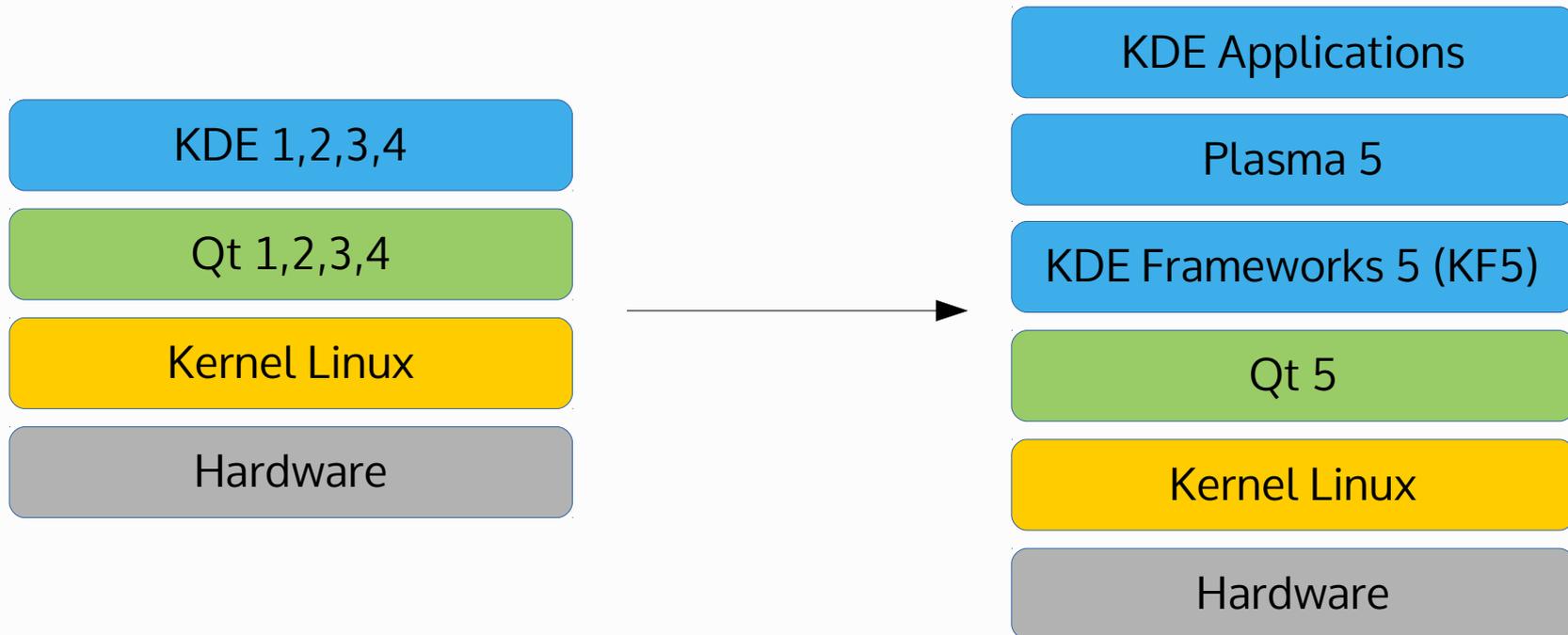
[vdesign.kde.org]



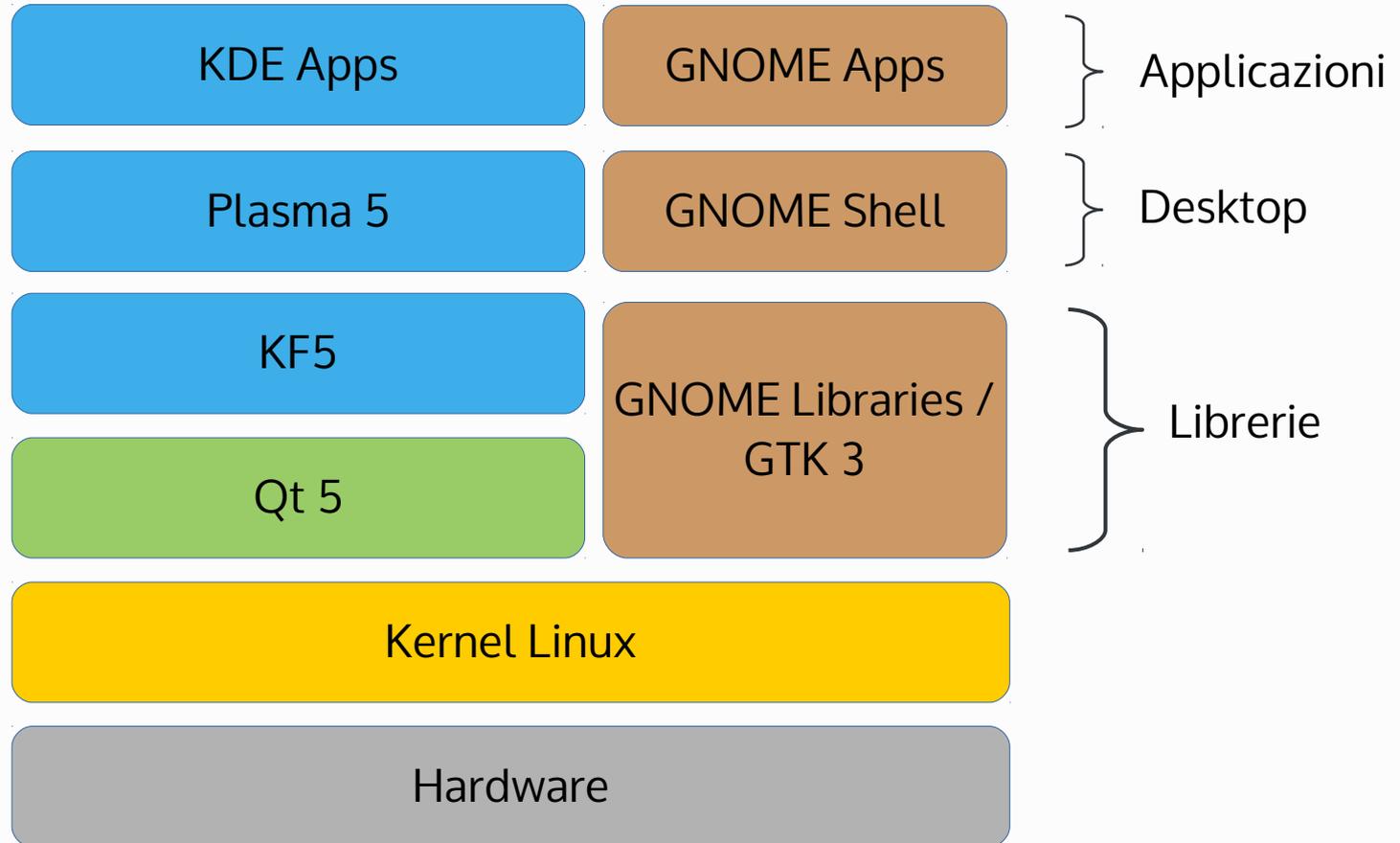
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Sviluppare KDE



Linux Desktop Software Stack



Requisiti tecnici

- Requisiti globali: git, CMake
- Requisiti KF5: C++/Qt
- Requisiti Plasma: C++/Qt, QML
 - QML = Qt Modeling Language ~ Javascript
 - Usato e.g. per le Applet di Plasma (a.k.a. plasmoidi)
- Requisiti Apps: C++/Qt o QML o PyQt
 - PyQt = Qt tramite Python!



Link utili

- `kde.org`
- `planet.kde.org`
- `bugs.kde.org`
- `forum.kde.org`



goo.gl/ZvSeUT



Grazie per l'attenzione!

Domande?

Elvis Angelaccio

elvis.angelaccio@kdemail.net



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