

# LINUX DAY

BgLUG Bergamo Linux User Group

25 Ottobre 2008



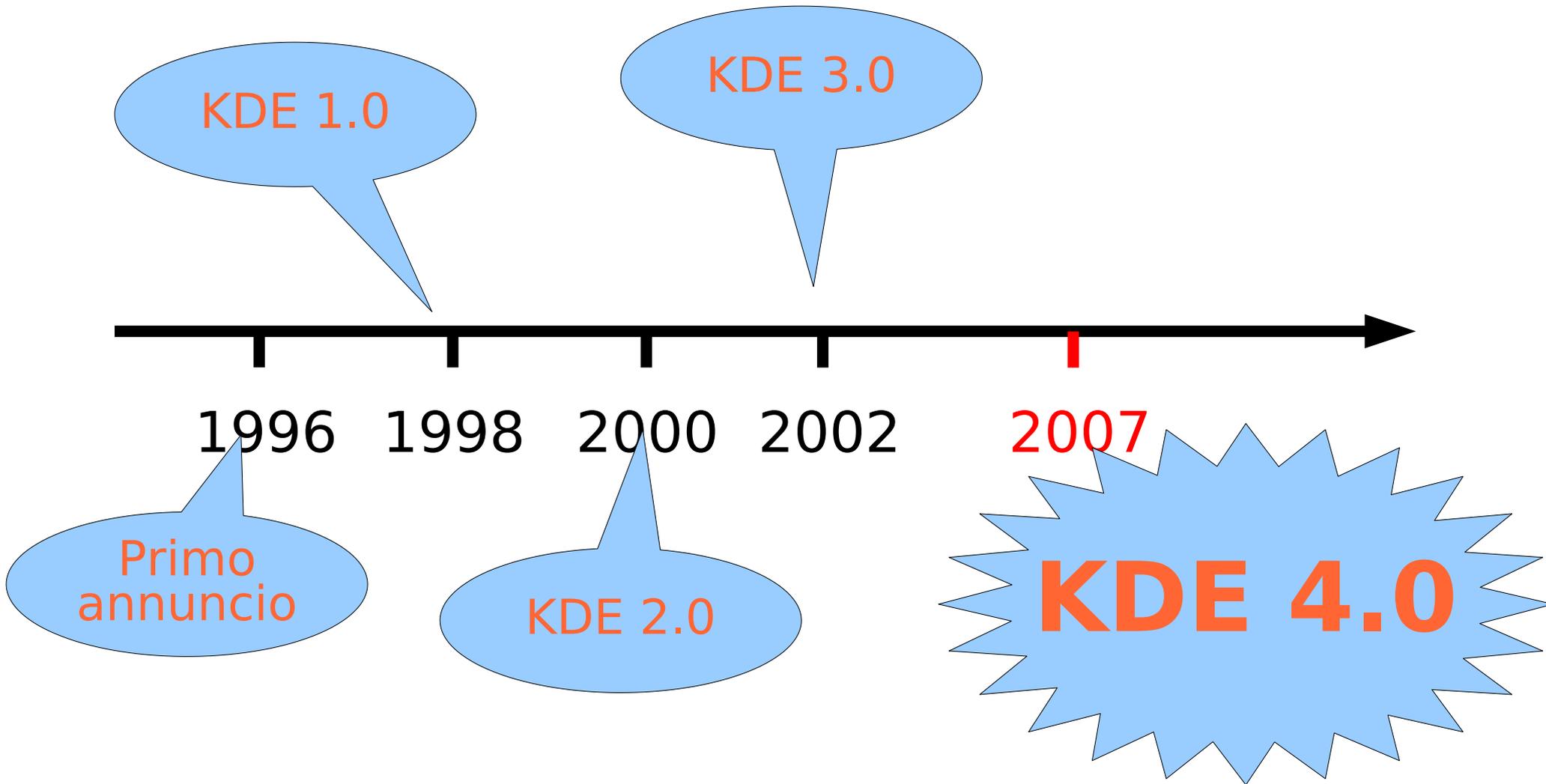
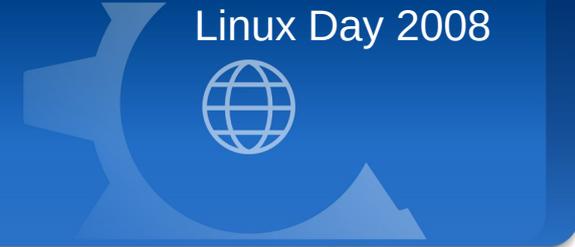
## KDE4: tutte le novità

Flavio Castelli

### K Desktop Environment



# L'evoluzione





# Cosa ha comportato KDE4

## Principali novità

passaggio a librerie Qt4

nuovi “pilastri”

nuovi programmi

migliorie nei programmi esistenti

... ma ...

è ancora possibile usare i programmi di KDE3



## Principali vantaggi

migliorate le prestazioni

nuove funzionalità per gli sviluppatori

migliorata l'integrazione nei vari wm

licenza GPL per più OS

KDE 4 disponibile per linux, windows, mac os x

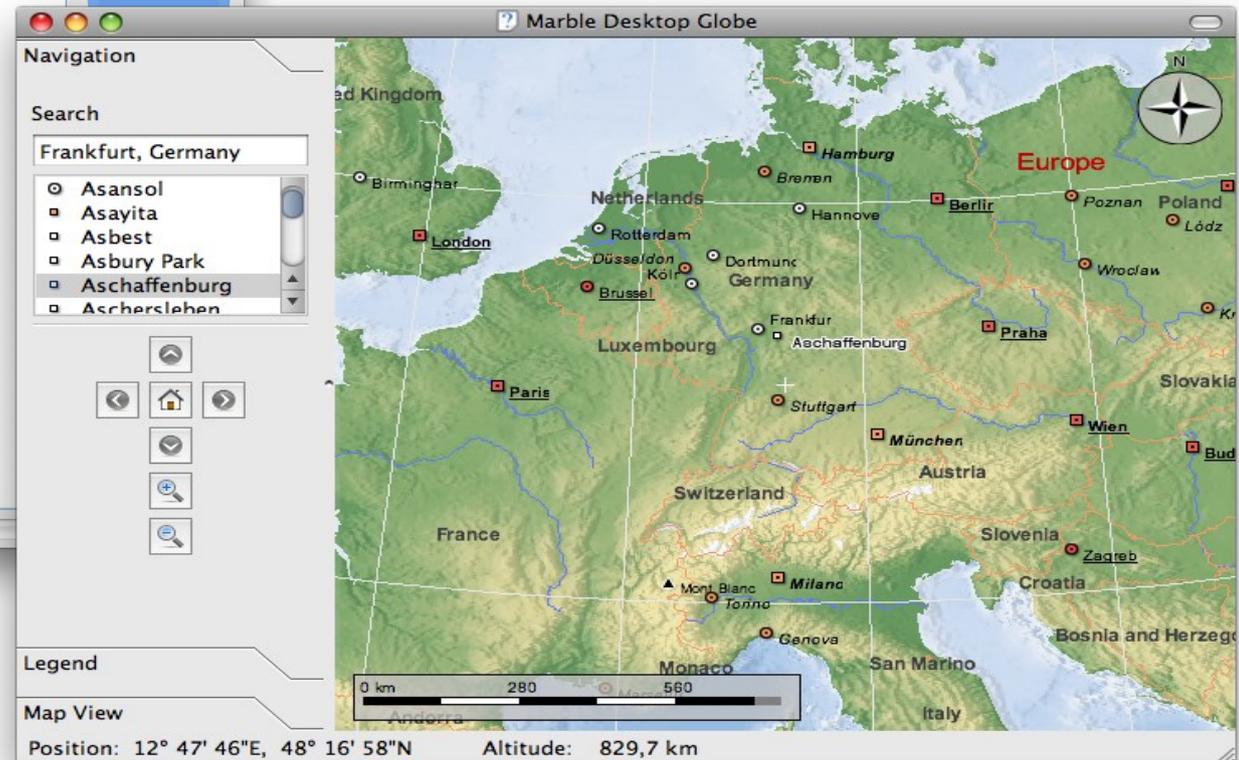
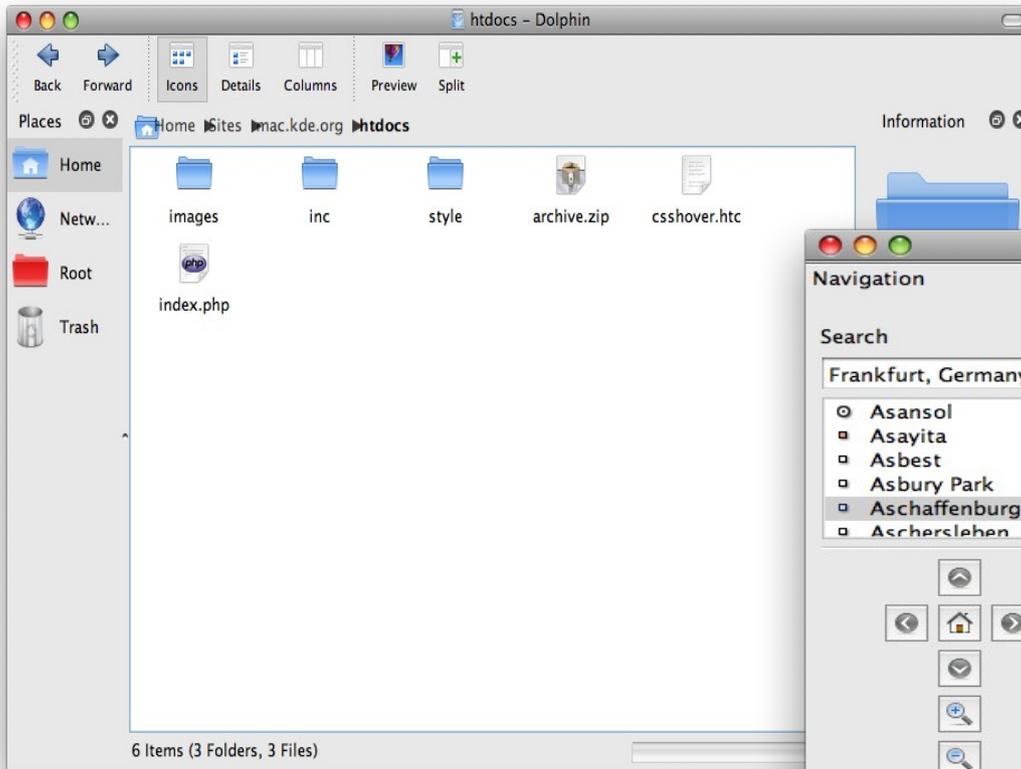
(e gli altri derivati unix)



# KDE4 diventa multiplatforma



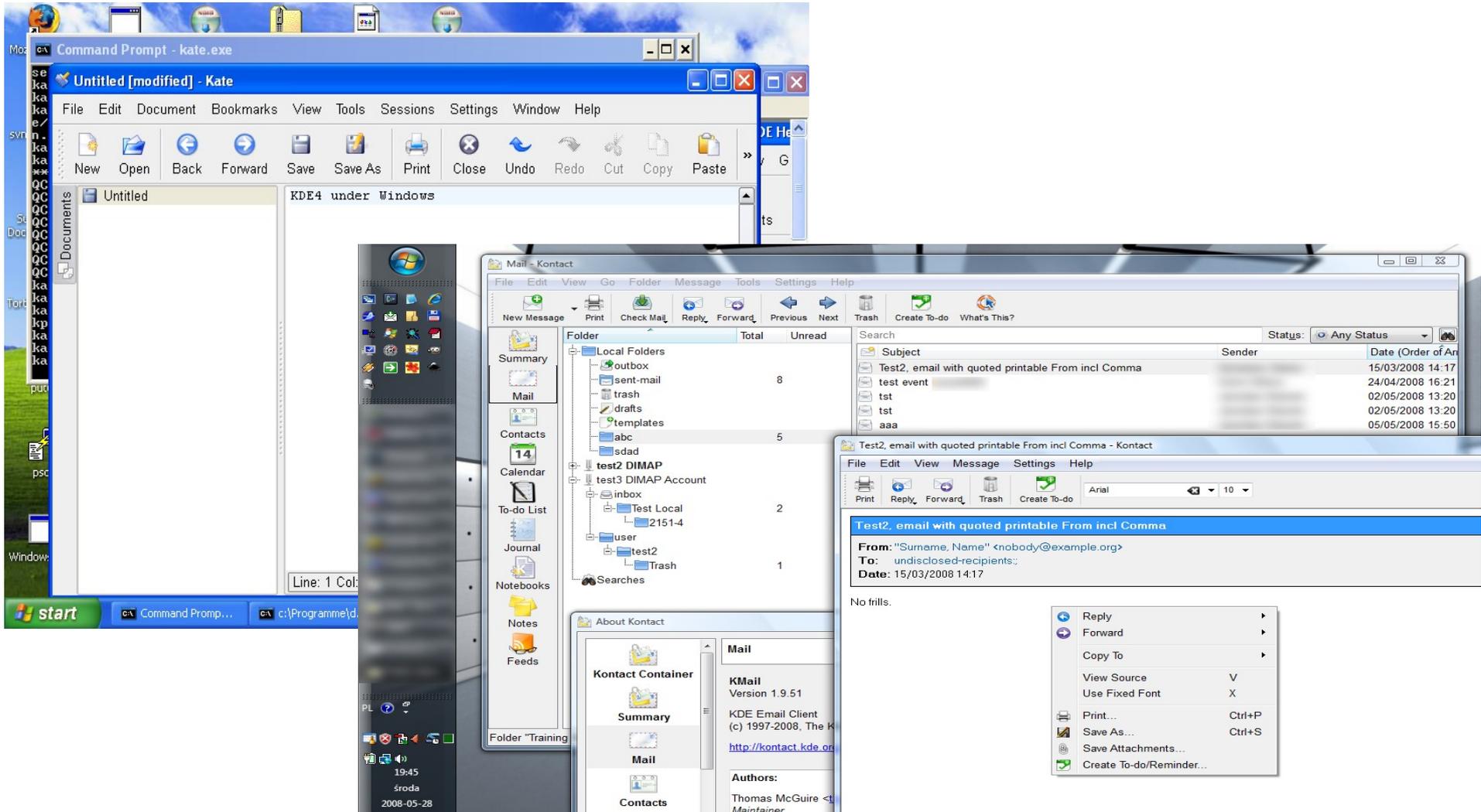
## KDE4 Mac Os X full support





# KDE4 diventa multiplatforma

## KDE4 & Windows





# I nuovi “pilastri”



*Benefit* per gli sviluppatori:

semplifica l'interfacciamento con i dispositivi fisici

*Benefit* per gli utenti:

facilitare la gestione dello hardware di sistema



# I nuovi "pilastri"



Migliore gestione risparmio energetico



Gestione periferiche



# I nuovi “pilastri”



*Benefit* per gli sviluppatori:

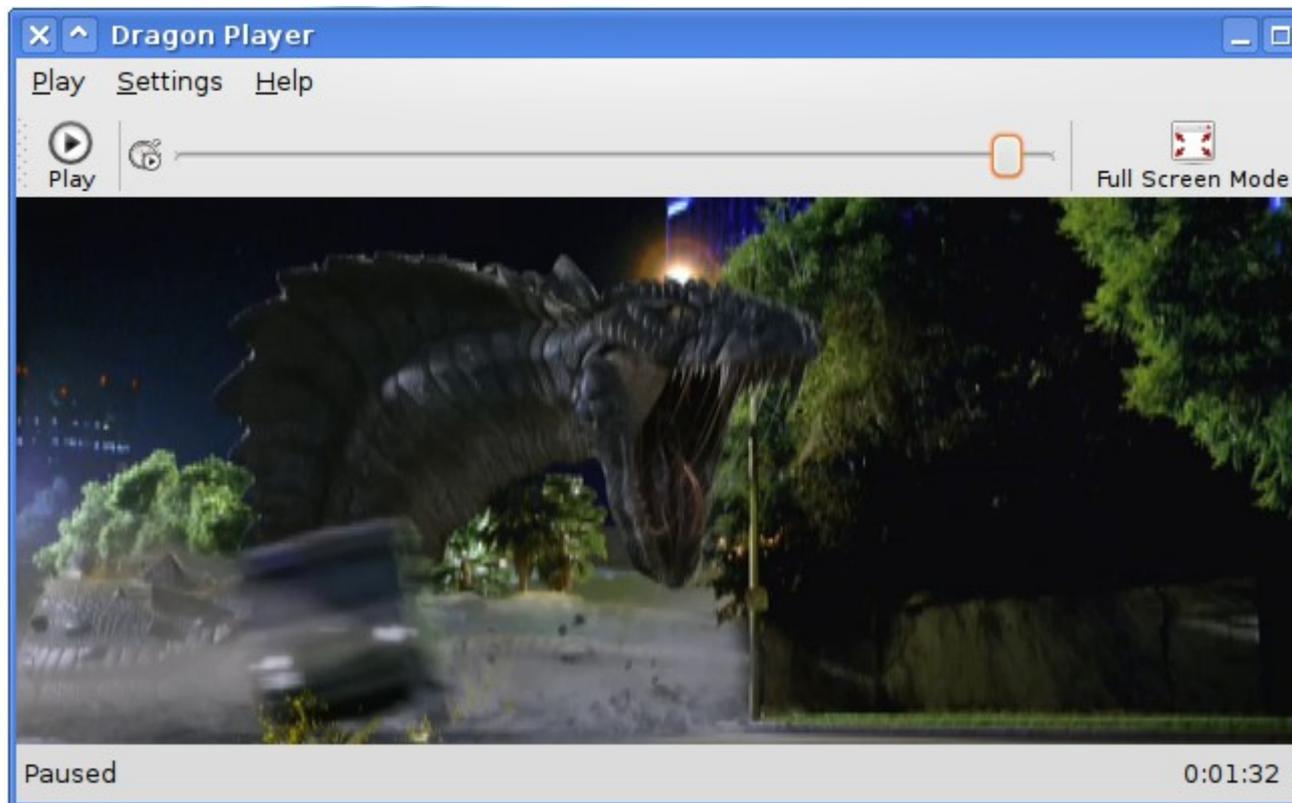
libreria per la creazione di applicazioni  
multimediali per KDE --> audio e video

*Benefit* per gli utenti:

punto centralizzato per la gestione delle  
periferiche multimediali: schede audio interne-  
esterne, webcam, ...



# I nuovi "pilastri"



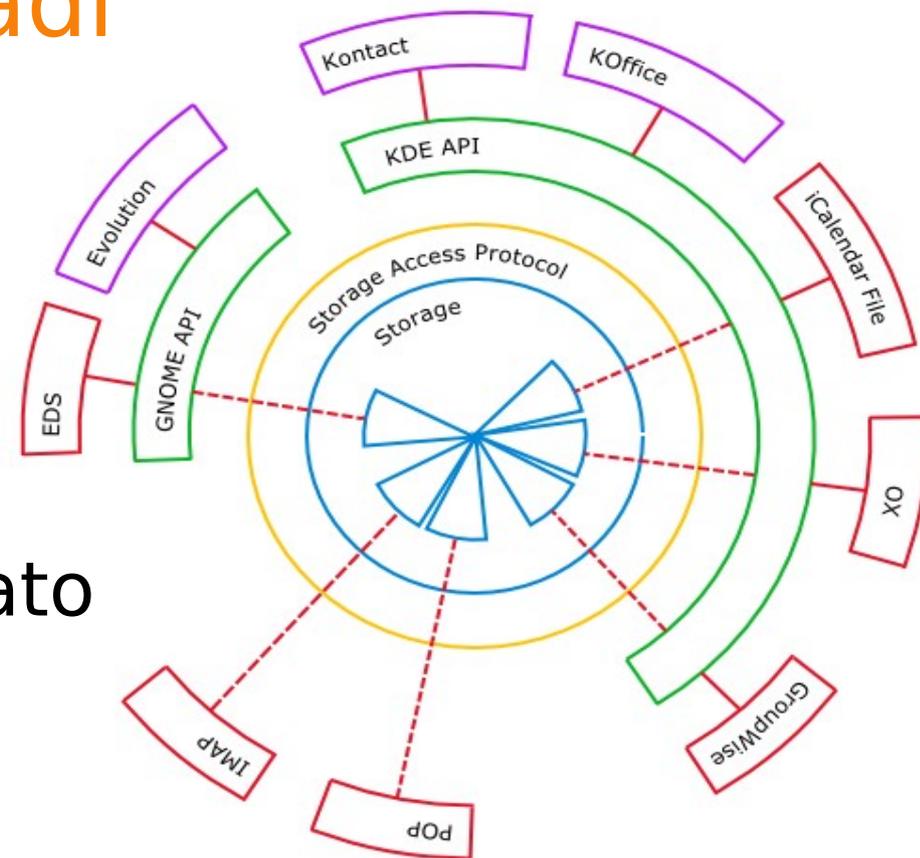
Dragon player



# I nuovi “pilastri”



## Akonadi



*Benefit* per gli sviluppatori:  
 servizio *cross-desktop*  
 punto d'accesso centralizzato  
 per *PIM*

*Benefit* per gli utenti:  
 facilita accesso, ricerca e scambio dei dati



# I nuovi “pilastri”



DECIBEL



*Benefit* per gli sviluppatori:

facilitare accesso alle funzionalità di *RTC*: chat testuali, VoIP, video conference,...

*Benefit* per gli utenti:

nuove *user-experiences* date da integrazione con programmi esistenti (client posta, suite di office,...)



## I nuovi “pilastri”

# Sonnet

*Benefit* per gli sviluppatori:

facilita integrazione dei controlli ortografici

ottime prestazioni (usa Threadweaver)

sostituisce Kspell2

*Benefit* per gli utenti:

Riconoscimento automatico della lingua

Possibilità di usare “dizionari di backup”



# I nuovi "pilastri"

## Sonnet

SpellingCheck Example

תפיסת הפרשנות הרווחת של החוקרים הייתה לתאר את האמנות היוונית כמתפתחת על פי רצף זמן וחותרת לכדי סינתזה בין תיאור ריאליסטי בעיצוב האנטומיה, לבין רתימת אותו ריאליזם לשם ביטוי ה"אידיאל" של התקופה. גישה זו התבטאה בעיצובה של התקופה "הקלאסית", כמופת של אידיאל זה.

São Paulo ist die Hauptstadt des gleichnamigen Bundesstaates in Brasilien. Die Stadt ist das wichtigste Wirtschafts-, Finanz- und Kulturzentrum sowie Verkehrsknotenpunkt des Landes mit Universitäten, Hochschulen, Theatern und Museen. In der eigentlichen Stadt São Paulo leben 10.021.437 Menschen, in der Agglomeration Grande São Paulo 19.092.087. Damit ist sie eine der größten Metropolregionen der Erde und die bevölkerungsreichste Stadt auf der Südhalbkugel. Gleichzeitig ist sie der größte industrielle Ballungsraum in Lateinamerika. Die Stadt ist durch zahlreiche Einwanderer aus aller Welt multikulturell geprägt mit wesentlichen portugiesischen, italienischen, deutschen, libanesischen und japanischen Einflüssen. Die Einwohner der Stadt São Paulo heißen „paulistanos“

Hasekura Tsunenaga was a Japanese samurai and retainer of Date Masamune, the daimyo of Sendai. He led an embassy to Mexico and then Europe between 1613 and 1620 (called the Keichō Embassy), after which he returned to Japan. He was the first-ever Japanese official ambassador to the Americas and arguably Europe, and became the key protagonist in the first recorded instance of Franco-Japanese relations.



*Per sviluppatori*

## Threadweaver

facilita la gestione del *multithreading*  
garantisce ottime prestazioni

## Kross

usare diversi linguaggi per interagire con KDE

Python, Ruby,  
Javascript,...



# I nuovi “pilastri”

## Semantic desktop



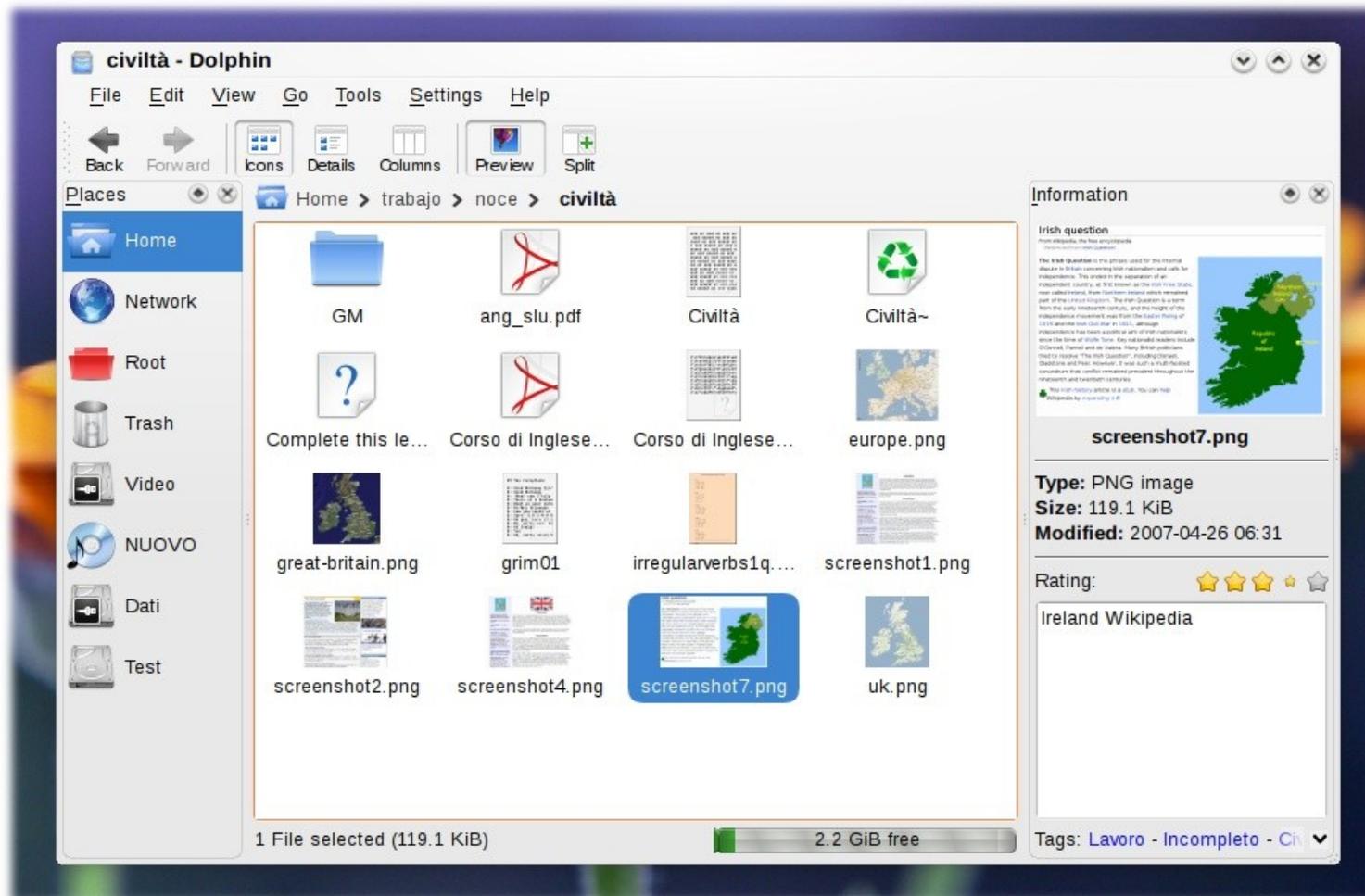
**Strigi**

Accesso ai dati facilitato



# I nuovi "pilastri"

## Dolphin + Nepomuk





# I nuovi “pilastri”



Nato dall'unione di:

kicker

superkarama

## ***Obiettivo***

fornire una nuova user-experience



# I nuovi "pilastri"

The screenshot displays the KDE 4 desktop environment with a blue background and a large orange flower. Several widgets are visible:

- Task Switcher:** A horizontal bar at the top left showing four workspace thumbnails labeled 1, 2, 3, and 4.
- File Space:** A widget showing disk usage for 'data' (20.4 GiB), '/home' (1.0 GiB), and '/' (777.216.0 TiB).
- Network Connection:** A widget showing 'Network connection 0 eth1' with 'Connection established' and '03:45'.
- System Information:** A widget showing 'KDE 3.5.8 Release Fixes Hundreds of Bugs', 'KDE Commit-Digest for 14th October 2007', 'LinuxWorld.com.au: KOffice 2 on Windows', 'KDE Commit-Digest for 7th October 2007', 'People Behind KDE: Summer of Code 2007 (4/4)', 'Amarok Roktober Fundraiser. Win an iAudio7', 'openSUSE 10.3 Has Been Released', 'KDE 4.0 Release Event Contest', 'Blue-GNU Reviews Kontakt: I Once Was Lost...', and 'Announcing the KDE 4.0 Release Event'.
- System Settings:** A widget showing 'System Settings', 'Imodifk', 'System Monitor', 'System Activity', and 'Add Applets'.
- System Clock:** A widget showing '01:47' and '17 Oct 2007'.
- Battery:** A widget showing '100%'.
- Taskbar:** A bar at the bottom containing icons for 'KICKOFF KDE 4 Tact', 'Konsole', 'screens bash', 'Linux', 'Linux', 'Untitled - KWrite', 'KDE4.0-beta3 - Dolphin', 'System Settings', 'Imodifk', 'System Monitor', 'System Activity', 'Add Applets', and a system clock showing '01:47'.

**Add Applets dialog:** A window titled 'Add Applets' with a dropdown menu set to 'Date and Time'. It contains a search bar and two applets:

- Analog Clock:** An SVG themable clock.
- Digital Clock:** An SVG themable digital clock.

**KDE 4.0 Beta 3:** A yellow box containing the following text:

**KDE 4.0 Beta 3**  
Plasma is KDE 4's new desktop shell.

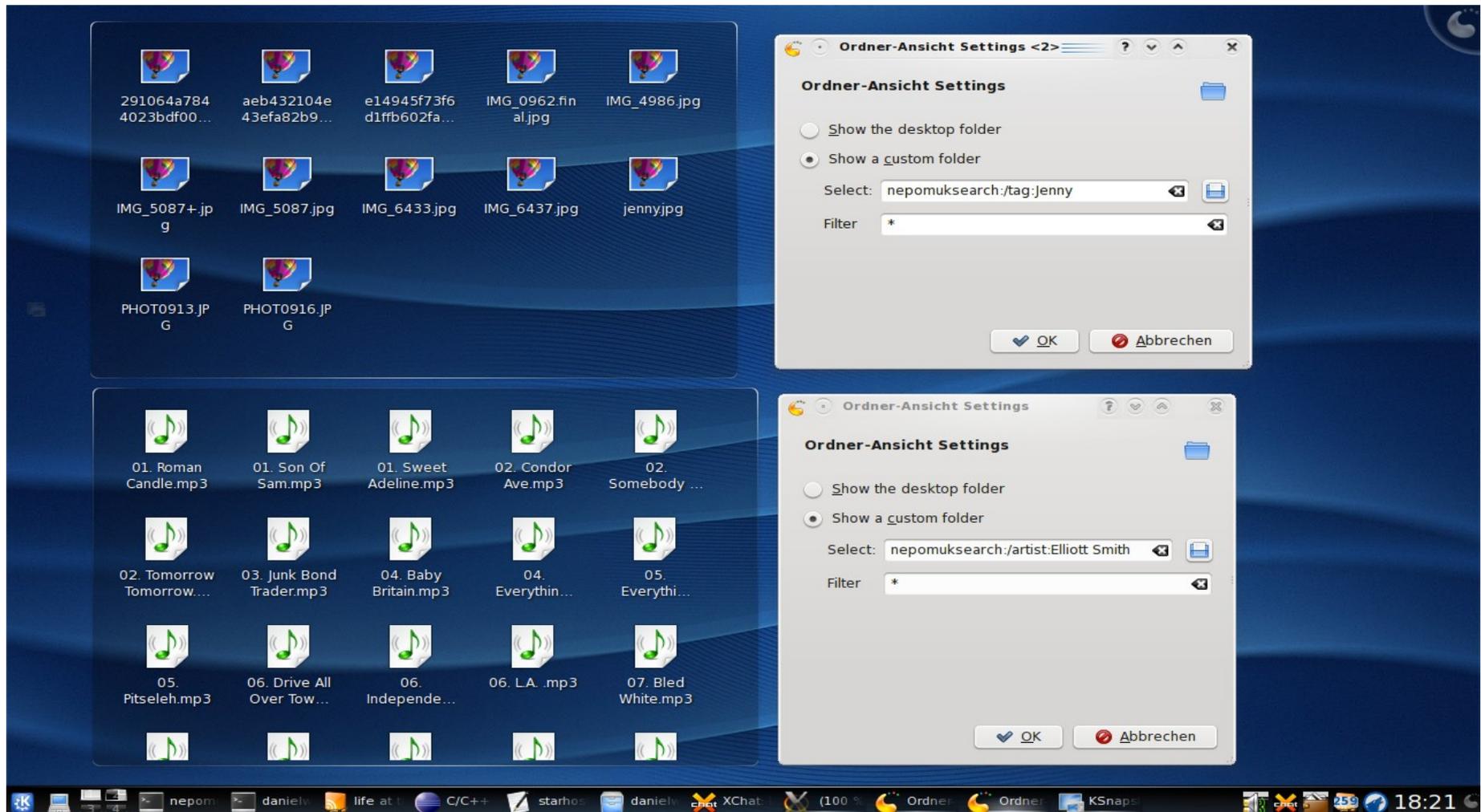
Widgets can be put onto the desktop as well as in the panel. In this screenshot you can see some example applets, a pager to switch workspaces, system information such as battery charge rate and harddisk capacity information, and online services such as the news from dot.kde.org.

The panel at the bottom acts as a container for the task switching applet and the clock.



# I nuovi "pilastri"

## Folderview + Nepomuk





# KDE4 e composite manager



## Composite manager integrato

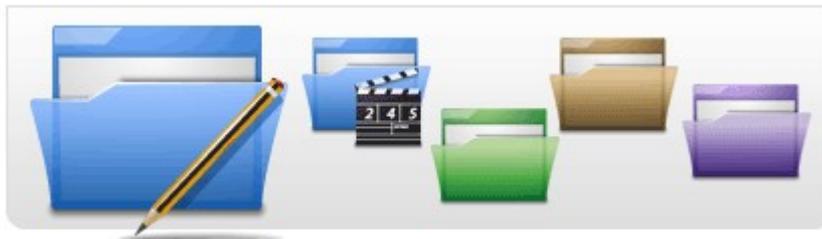




# Migliorie grafiche: oxygen

## Oxygen

nuovo tema di icone e suoni  
nuovo stile per KDE4



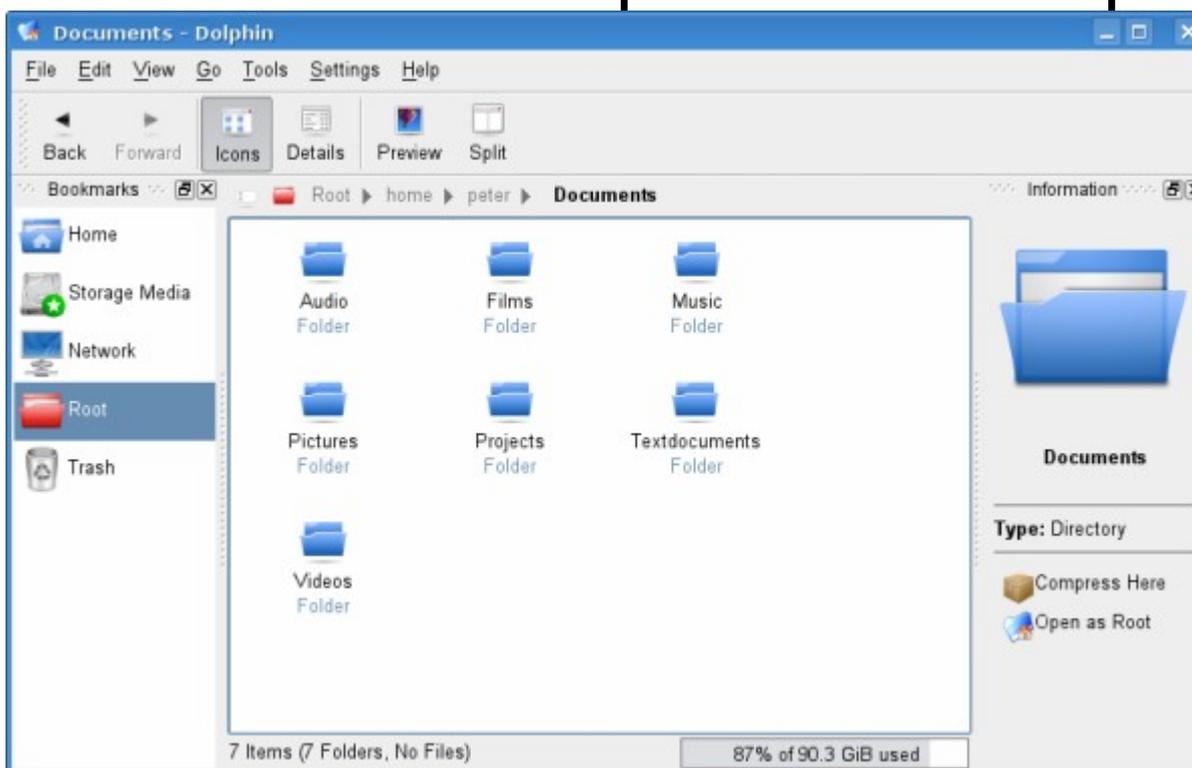


# Nuovi programmi: dolphin

## Dolphin

nuovo file manager

impostato di default al posto di konqueror





# Nuovi programmi: marble



## Marble





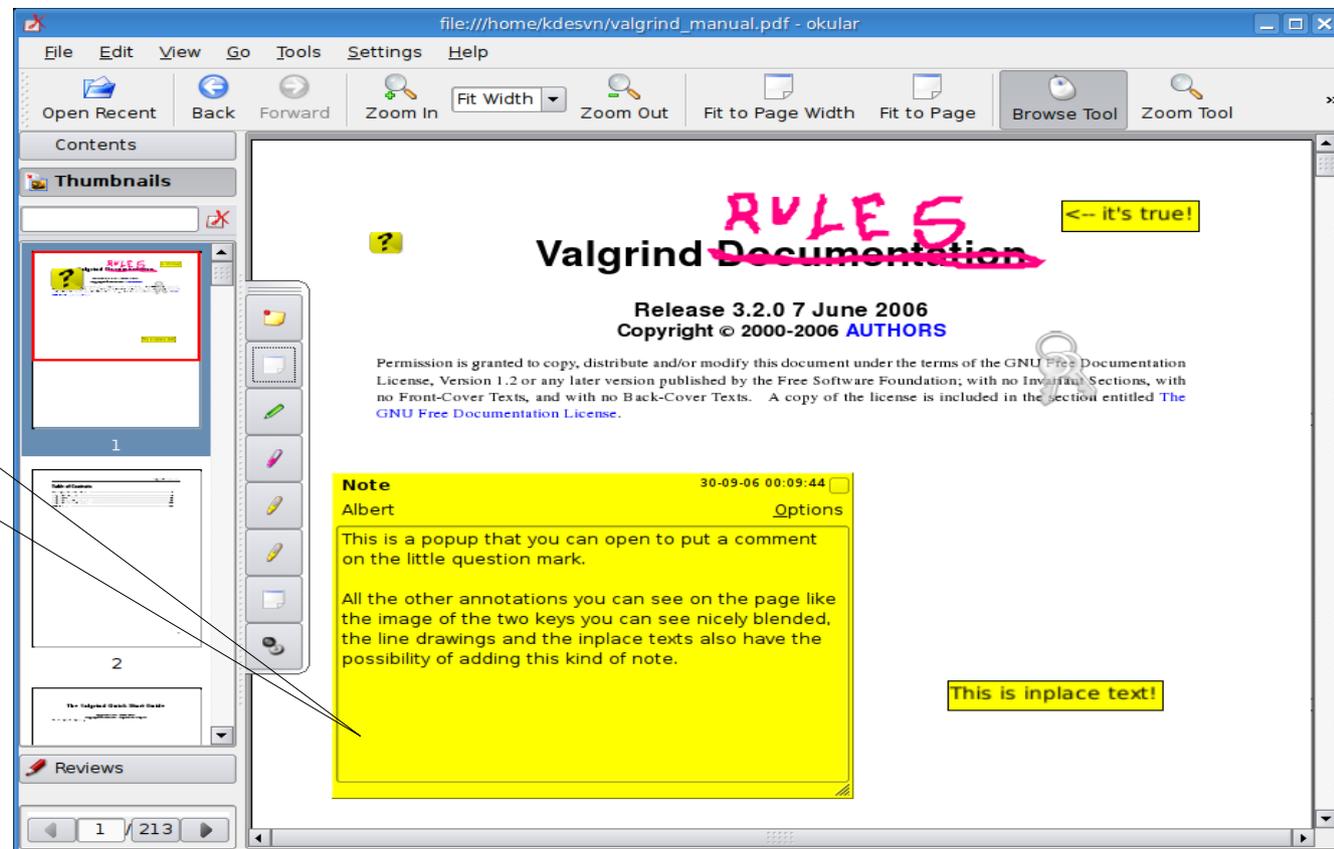
# Nuovi programmi: okular

## Okular

lettore unico: ps, pdf, chm...

sostituirà kpdf

**Gestione  
note!!**





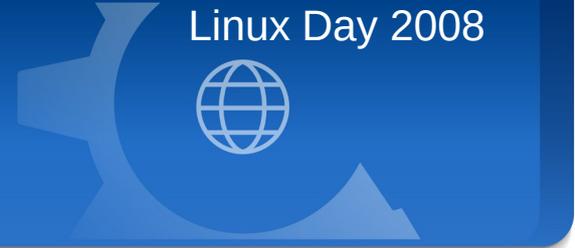
# E molto altro ancora...

## Amarok



## Digikam





## Novità

Nuovi giochi

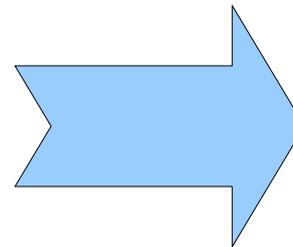
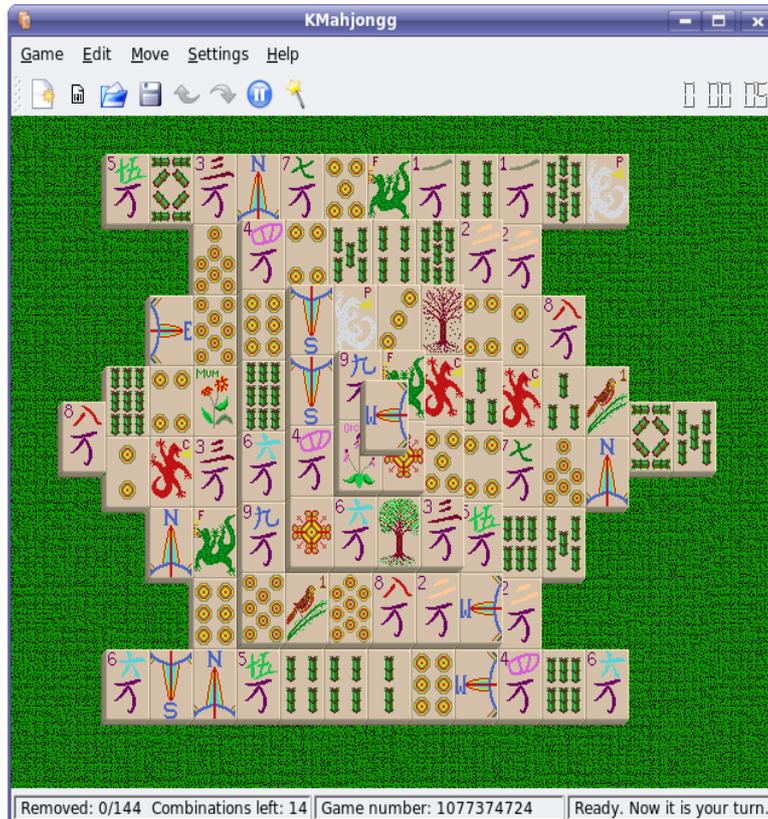
Notevoli miglioramenti nella grafica

**Grazie Qt4!**

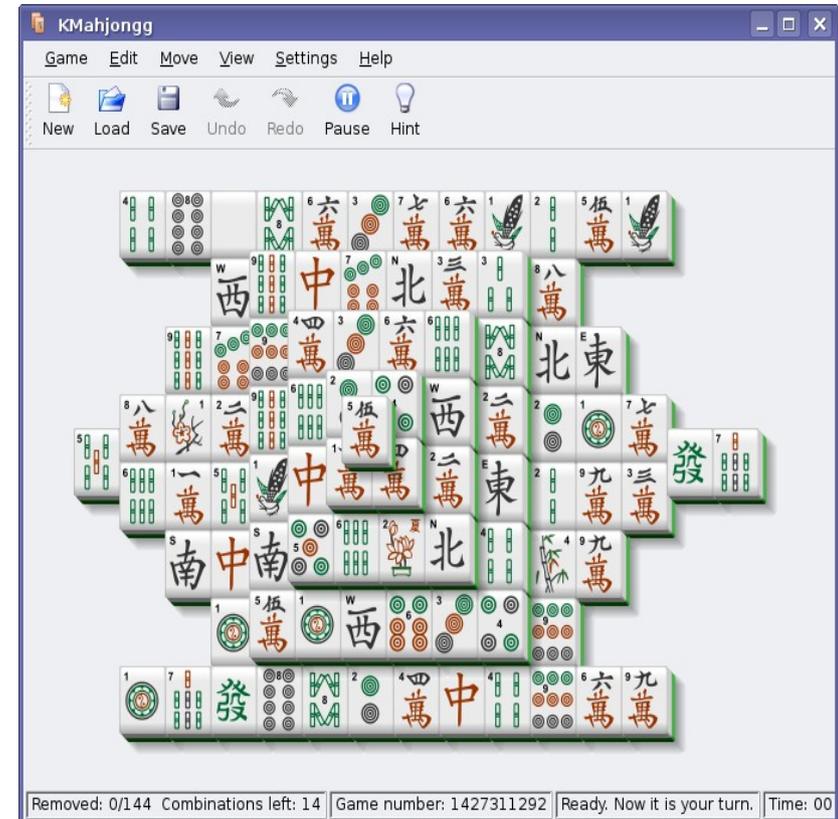


## Un confronto...

### PRIMA



### DOPO





Demo...

Demo...





The end



Domande?

