

ANSOL

Associação Nacional para o Software Livre

<https://ansol.org>

2023

# ANSOL – Associação Nacional para o Software Livre

## Board 2022-2024:

- Tiago Carrondo – Chair
- Rúben Mendes – Vice-Chair
- Octávio Gonçalves – Treasurer
- André Esteves – Member
- Hugo Peixoto – Secretary

## The Free Software Movement

- Created in 1983, by Richard Stallman
- Free Software Foundation founded in 1985
- Free Software Foundation Europe founded in 2001

## ANSOL – Associação Nacional para o Software Livre



*Official launch in October 2001, during Porto Cidade Tecnológica*

- Portuguese non-profit association

- propagation, promotion, development, research and study of Free Computing. . .
- . . . and its social, political, philosophical, cultural, technical and scientific repercussions
- Based at House of Associations in Oporto, but with a national scope

## Free Software

- *Free* as in *Freedom*, not gratis

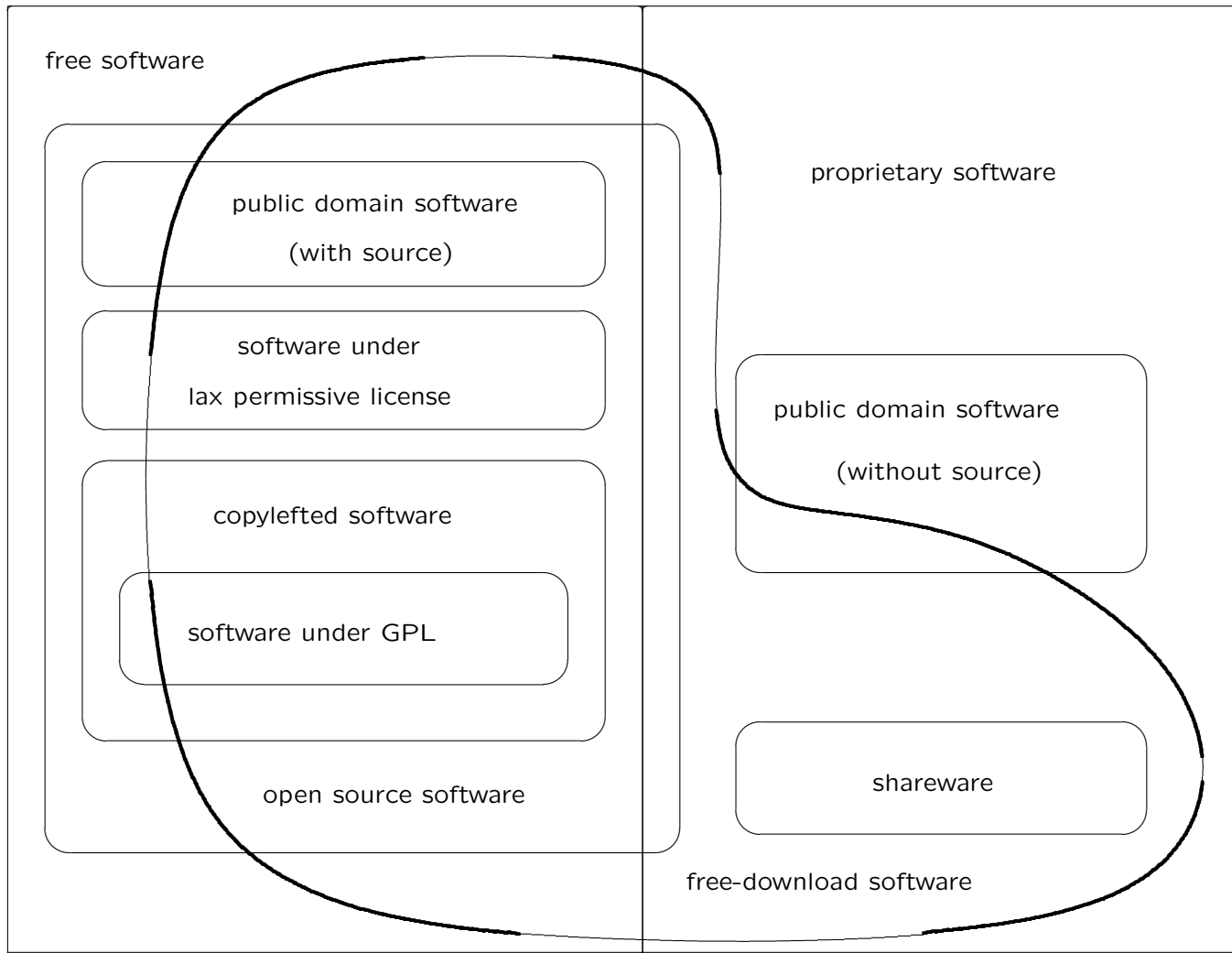
Which Freedoms?

## Free Software

At the beginning of the 80s, *Richard M. Stallman* was the first to formalize a way of thinking about software in the form of four freedoms:

- 1st freedom: The freedom to run the program as you wish, for any purpose
- 2nd freedom: The freedom to study how the program works, and change it so it does your computing as you wish
- 3rd freedom: The freedom to redistribute copies so you can help others
- 4th freedom: The freedom to distribute copies of your modified versions to others, giving the whole community a chance to benefit from your changes

The software following these four principles is called “Free Software” .



– in <http://www.gnu.org/philosophy/categories.html>, CC-SA



- GNU/Linux Operating System
- Android Operating System Project
- OpenOffice – LibreOffice
- Firefox
- Wordpress
- Apache Web Server
- Blender
- Moodle
- *many others...*

## Software Licenses

- Copyleft Licenses – forks cannot add any restrictions to the license
  - GPL (GNU General Public License)
  - Mozilla Public License (MPL)
  - Microsoft Reciprocal License (Ms-RL)
- Non-Copyleft
  - Modified BSD License
  - Expat License (MIT)
  - Apache License

## Association's activities

- Political and legislative intervention
  - interventions and reports to the Portuguese Parliament
  - Coordination with *Free Software Foundation Europe* in European-wide projects, including presence in the European Parliament
  - Participation in the transposition of the European Directive InfoSoc into Portuguese Law
  - Campaign against Software Patents, that ended up with its rejection by the European Parliament

- Portugal is the first country to have an Open Standards Law
- Participation in the international campaign against ACTA
- Fight against the Private Copy Law
- Portugal in the frontline in the defense of consumers against DRM

## The Law against DRM – what is it?

- Extension of the definition of DRM
- Clarification of that definition
- Clarification about the illegality of applying DRM in Public Domain works
- Making using DRM on works by public entities or public money illegal

The Law against DRM – how did we manage to get it?

- Testing the Law
- Education about the topic
- Persistence
- Working within the scope
- Make the (apparent) opposition talk
- Present an alternative

- Launch of the “Transparency in Public Administration” in 2009



INICIATIVA DA ASSOCIAÇÃO NACIONAL PARA O SOFTWARE LIVRE

## Site particular permite saber tudo o que o portal das compras públicas não mostra

JOSÉ ANTÓNIO CEREJO 15/01/2009 - 19:33



- Sun and ANSOL got together in creating a CD “Free Software in School”, spread to the schools by the Ministry of Education



The image shows a screenshot of a news article on the SAPOTEK website. The website has a dark teal header with the SAPOTEK logo in white. A search bar with the text 'Pesquisar' is located in the top right corner. Below the header is a navigation menu with links for 'Notícias', 'Mobile', 'Extras', 'Análises', 'Opinião', 'Multimédia', 'Expert', and 'pplware'. A secondary navigation bar below that lists categories: 'TODAS', 'COMPUTADORES', 'NEGÓCIOS', 'INTERNET', and 'TELECOMUNICAÇÕES'. The article itself is dated '14-08-2007 @ 10:35' and has the headline 'CD com *software* livre para escolas pode poupar 300 milhões de dólares às famílias'. The text of the article states that the Ministry of Education is distributing a CD of free software to schools, supported by Sun and ANSOL, and that commercial versions would cost more than 300 million euros.

# SAPOTEK

Pesquisar

[Notícias](#) [Mobile](#) [Extras](#) [Análises](#) [Opinião](#) [Multimédia](#) [Expert](#) [pplware](#)

TODAS COMPUTADORES NEGÓCIOS INTERNET TELECOMUNICAÇÕES

📅 14-08-2007 @ 10:35

## CD com *software* livre para escolas pode poupar 300 milhões de dólares às famílias

São várias as aplicações incluídas no CD "Software Livre na Escola" que o Ministério da Educação está a distribuir nas escolas com o apoio da Sun e da ANSOL. Pelo cálculo da empresa as versões comerciais equivalentes valeriam mais de 300 milhões de euros.



- Event organization
  - Porto 2002, Cidade Tecnológica - Sistemas Livres
  - Richard Stallman in Portugal
  - Software Freedom Day
  - Document Freedom Day
  - I < 3 Free Software

## The current Copyright reform

“To what extent KDE is directly **impacted** by the proposed regulation fully depends on whether the above setup would make us 'information society service providers storing and giving access to large amounts of works and other subject-matter uploaded by their **users**'. If yes, then we would probably need to **move** most of our infrastructure and organization outside of the EU.”

**Thomas Pfeiffer**  
Board Member, KDE



## Advantages of Free Software

- Flexibility and Freedom
- Reliability
- Stability
- Auditability
- Support and Responsibility
- Cost

## Advantages of Free Software – Flexibility and Freedom

- Flexibility – the capacity to choose solutions fit to the users needs
- If the business requirements change, the solutions should not be constrained by software
- The use of open standards for interoperability
- the best solutions can be chosen for particular components in the architecture

- if the solutions have good interoperability, the business can avoid lock-in to a particular supplier, avoiding dependency
- Free Software models do not promote vendor lock-in, so open standards adoption is usually high
- In cases where open standards do not exist, source code audit stops the use of proprietary formats as a means to lock-in
- Competition focused on functionality quality
- Freedom by not having only one supplier
- Freedom to modify your software

## Advantages of Free Software – Reliability

- Reliability – the lack of defects causing wrong operation
- performance failures; lack of standards compliance; security issues
- Severe issues tend to be fixed hours after being found, much due to source code access
- *patch* vs. new version
- bug lifecycle is different between free and proprietary software
- *early adopters'* impact, both in fixes as well as in new versions

## Advantages of Free Software – Stability

- Stability vs. Updates
- *vendor push*: Format changes, end of support, lack of software fixes
- Warranty on the possibility of data migration
- Source code access provides a way to extend software lifetime
- When to update is chosen by the user, not the vendor

## Advantages of Free Software – Auditability

- Security, lack of backdoors, standards compliance and flexibility in future changes: they can be promised in proprietary software, but only an assurance with the access to source code
- punctual and informal inspection vs. rigorous audits
  - InterBase case: 7 years old backdoor found and fixed half-year after free software version release
  - The backdoor had been introduced by Borland engineers on purpose



- third-party inspection and certification
- the falacy of *security through obscurity*

## Advantages of Free Software – Support and Responsibility

- Support contracts: from generic to personalized
- Internal or external support, tailored (and Ada's example)
  - Ada is language for military, industrial and aerospace industries that are *mission-critical* and *safety-critical*
  - “ACT Europe” was created in 1996 to provide commercial support to military and industrial uses of Ada
- Several business models around Support

- Zope – Free Software Production; most profit comes from support and services
- Free Software consultancy services
- The real need of support, when the code is from the user
- The myth of responsibility in proprietary software (read EULAs)

## Advantages of Free Software – Cost

- libre vs. gratis
- Price vs. TCO
- Aspects about Free Software's TCO
  - Possibility of zero price
  - Possibility of not needing to count the number of copies in use
  - Probable small need of updates

- almost-zero virus vulnerability
- Supposed less security vulnerabilities
- Alleged possibility of longer lifecycle due to low hardware requirements
- A better compliance to open standards allows competition, reducing the lock-in to monopolist prices
- Source code availability makes the software resilient to product discontinuation or vendor extinction
- Finance strategy ruled by the user and not the vendor

## Free Software Business Models

- Offer the software to sell hardware (IBM, ...)
- Licensing allows inclusion in non-free software (MySQL)
- Publish the software without source, releasing it only after some time
- Base software is free, but extras aren't
- Sharing development costs

## Free Software Business Models (cont.)

- Technical assistance contracts
- Development of new features
- Training
- Consulting and software adaptation

Get involved!



SOUNDS COMPLICATED? IT'S NOT. IT'S SUPER EASY!

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PUBLIC MONEY?  
**PUBLIC CODE!**

[WWW.PUBLICCODE.EU](http://WWW.PUBLICCODE.EU)

ANSOL-geral – <http://listas.ansol.org/mailman/listinfo/ansol-geral>

## Setembro de 2017 Arquivos por Tópico

- Mensagens ordenadas por: [\[ assunto \]](#) [\[ autor \]](#) [\[ data \]](#)
- [Mais informação sobre esta lista...](#)

Início: *Terça-Feira, 5 de Setembro de 2017 - 00:55:06 WEST*

Fim: *Sábado, 30 de Setembro de 2017 - 19:07:58 WEST*

Mensagens: 14

- [\[ANSOL-geral\] Próximos Eventos ANSOL 04.09.2017](#) *webmaster ansol.org*
- [\[ANSOL-geral\] The School of Rock\(ing\) EU Copyright | Associação Nacional para o Software Livre](#) *Marcos Marado*
  - [\[ANSOL-geral\] Podcast Ubuntu Portugal - O ano do Ubuntu no hardware](#) *Diogo Constantino*
- [\[ANSOL-geral\] European Copyright reform hampers Free Software development](#) *Marcos Marado*
  - [\[ANSOL-geral\] Talos II \(desktops e rack mount\) disponíveis para pré-encomenda](#) *Marcos Marado*
    - [\[ANSOL-geral\] Dinheiro Público? Código Público!](#) *Marcos Marado*
      - [Re: \[ANSOL-geral\] Dinheiro Público? Código Público!](#) *Ricardo Pinho*
      - [Re: \[ANSOL-geral\] Dinheiro Público? Código Público!](#) *Paula Simoes*
      - [Re: \[ANSOL-geral\] Dinheiro Público? Código Público!](#) *Ricardo Pinho*
- [\[ANSOL-geral\] \[ANSOL\] Dinheiro Público? Código Público!](#) *ansol-imprensa listas.ansol.org*
- [\[ANSOL-geral\] Próximos Eventos ANSOL 18.09.2017](#) *webmaster ansol.org*
  - [\[ANSOL-geral\] 28.Set - OpenSourceLisbon - ReactOS - open source windows NT clone!](#) *Ricardo Pinho*
- [\[ANSOL-geral\] Próximos Eventos ANSOL 25.09.2017](#) *webmaster ansol.org*
- [\[ANSOL-geral\] Fwd: \[Direccao\] Last chance! Register for Freedom not Fear 2017 until Monday, 2nd October](#)

■■■ FUNDAMENTO #1 ■■■



AS IDEIAS DEVIAM SER  
TÃO FÁCEIS DE PARTILHAR  
QUANTO ESTA  
IMAGEM



Tu podes ajudar-nos!

TORNA-TE SÓCIO!



ANSOL.ORG

■ SOFTWARE LIVRE ■



A IDEIA SURTIU  
DEPOIS DE UM  
EPISÓDIO COM  
UMA IMPRESSORA



EXISTEM IMENSOS  
EQUIPAMENTOS  
QUE CORREM  
SOFTWARE LIVRE



PODES ATÉ  
TÊ-LO NO  
BOLSO!

AS QUATRO LIBERDADES  
FUNDAMENTAIS



EXECUTAR  
LIVREMENTE



ESTUDAR  
E ADAPTAR



DISTRIBUIR  
CÓPIAS



REDISTRIBUIR  
ADAPTAÇÕES



O Software Livre é mais do que um conjunto  
de ferramentas gratuitas

■ É UMA CULTURA ■

e tu podes ajudar a mantê-la viva!

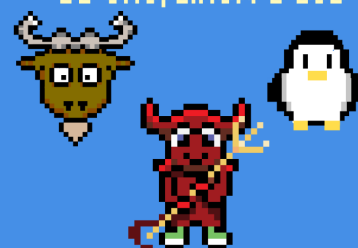
• [ANSOL.ORG/INSCRICAO](http://ANSOL.ORG/INSCRICAO) •



A INTERNET DEPENDE LARGAMENTE  
DE SOFTWARE LIVRE



EXISTEM IMENSAS  
DISTRIBUIÇÕES  
DE GNU/LINUX E BSD



# QUESTIONS?

*<http://ansol.org>*

*<http://fsfe.org>*

*<http://fsf.org>*

*<https://git.ansol.org/ansol/presentation>*

*<http://listas.ansol.org/mailman/listinfo/ansol-geral>*

*<https://publiccode.eu>*