

About the sustainability of software



Erik Albers

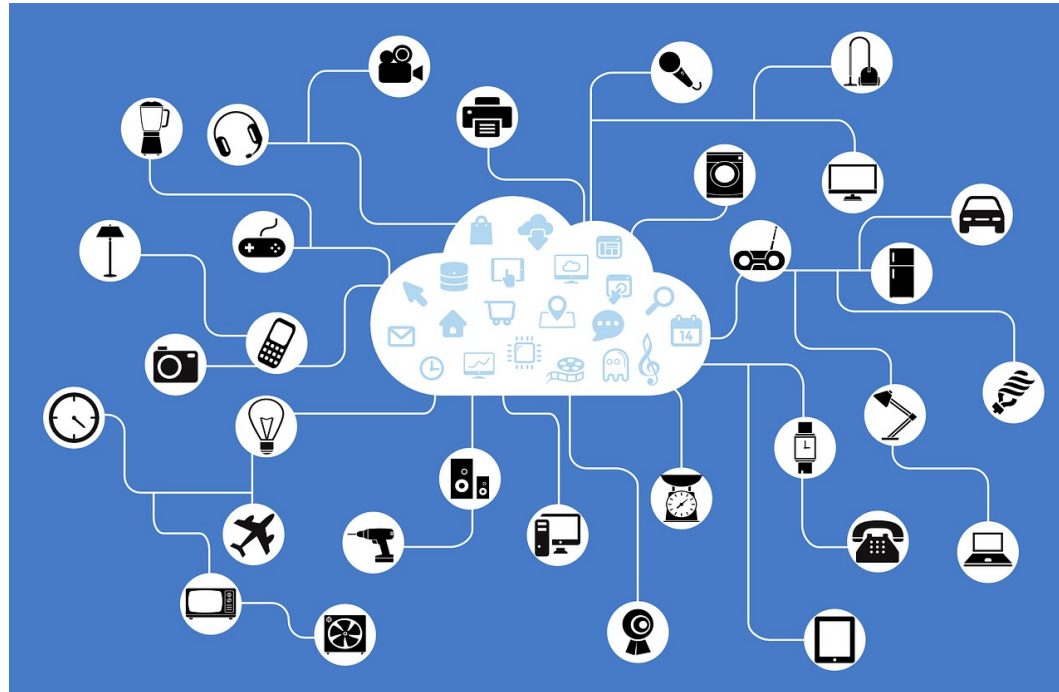
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Twitter: [@3albers@twitter.com](https://twitter.com/3albers)

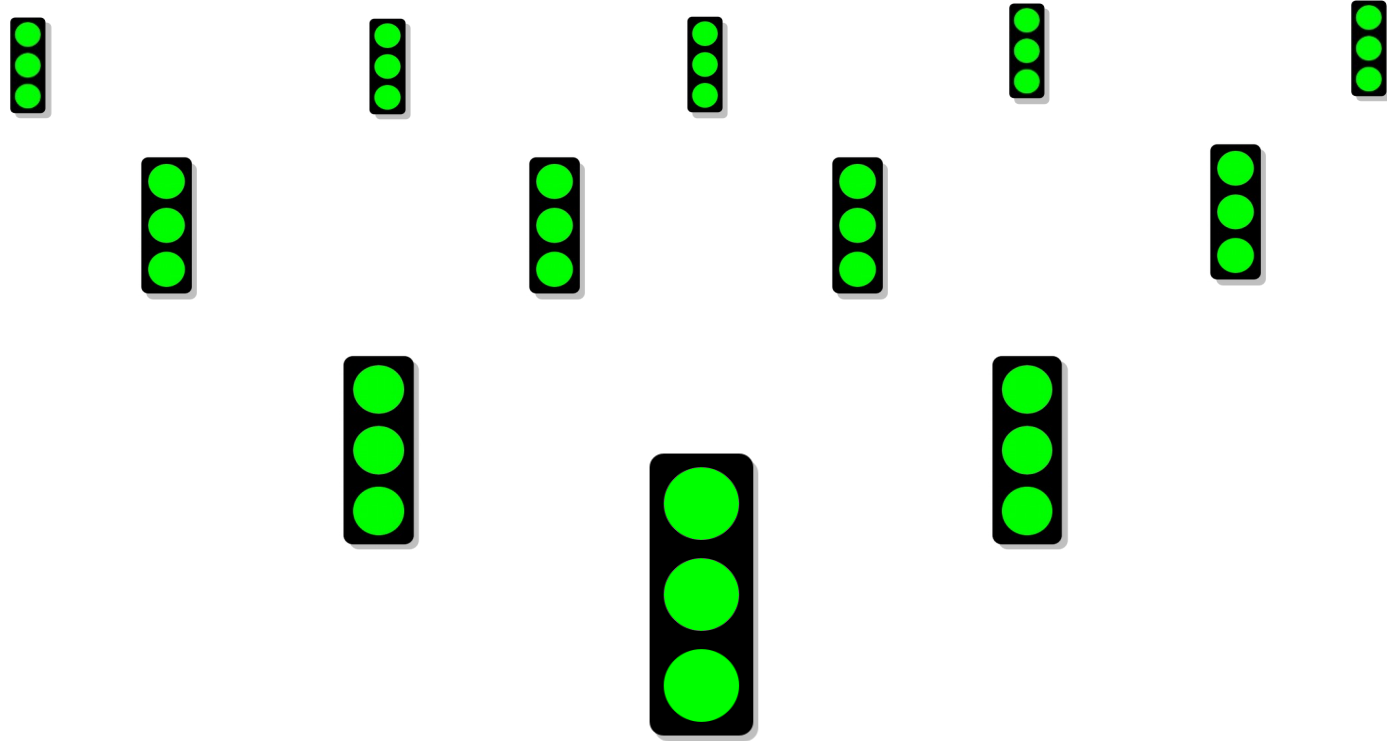
Blog: blog.3rik.cc



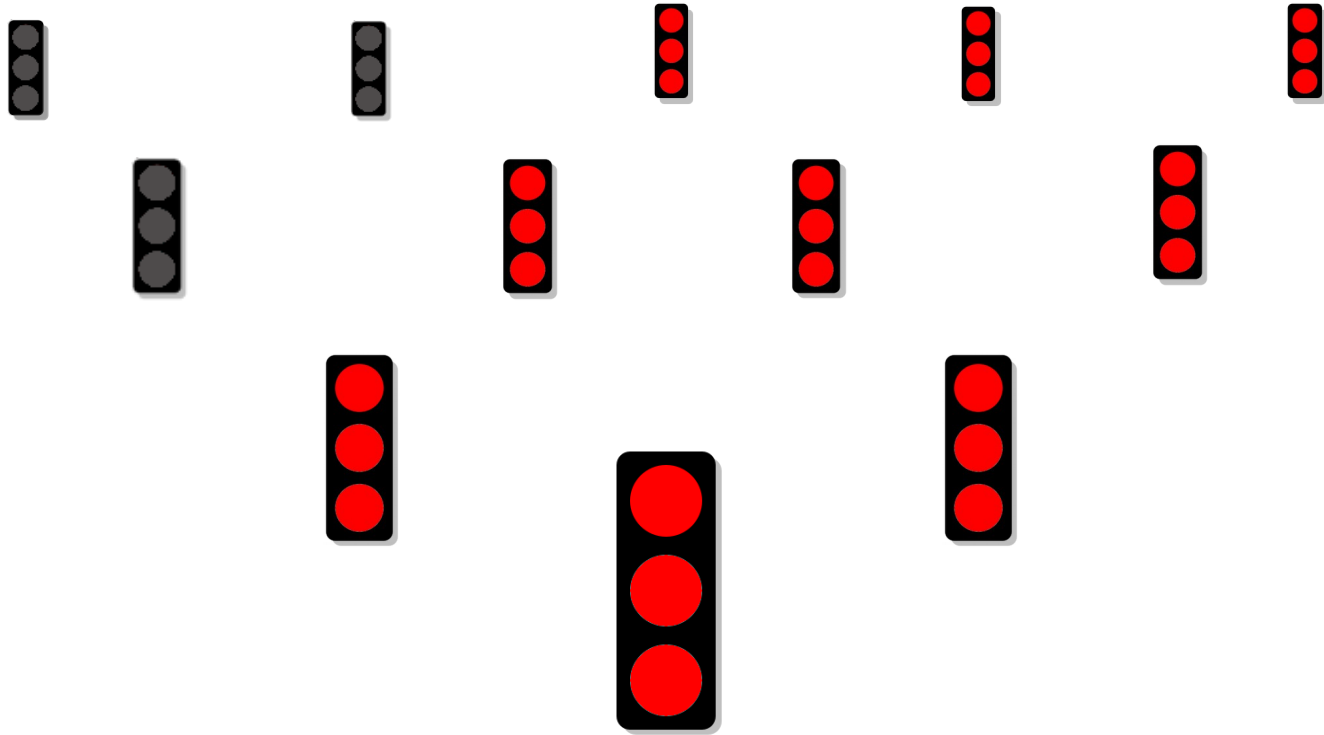
Software as a resource of our society



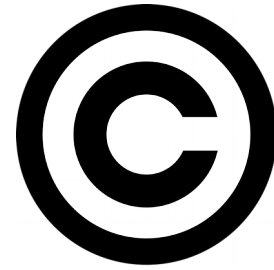
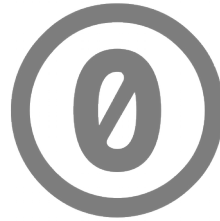
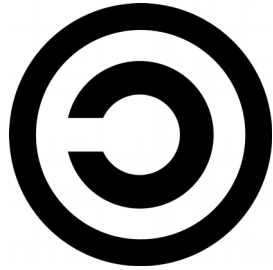
Unlimited resource



But in practice often limited



A resource that can be designed



The more users, the more resource

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Resources can be designed

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Resources depend on each other



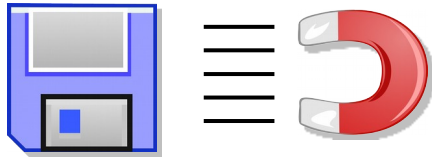
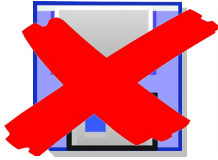
„Sustainability is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs.“

*„Our common future“,
Brundtland-report, 1987*

“Everything not saved will be lost”

- Nintendo Quit Screen message

Loss of software heritage

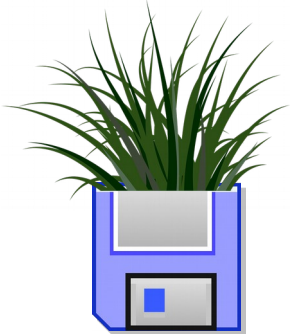
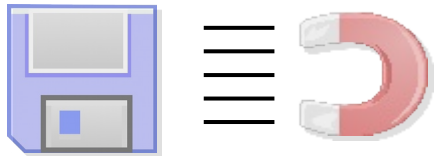
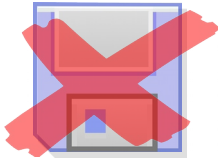




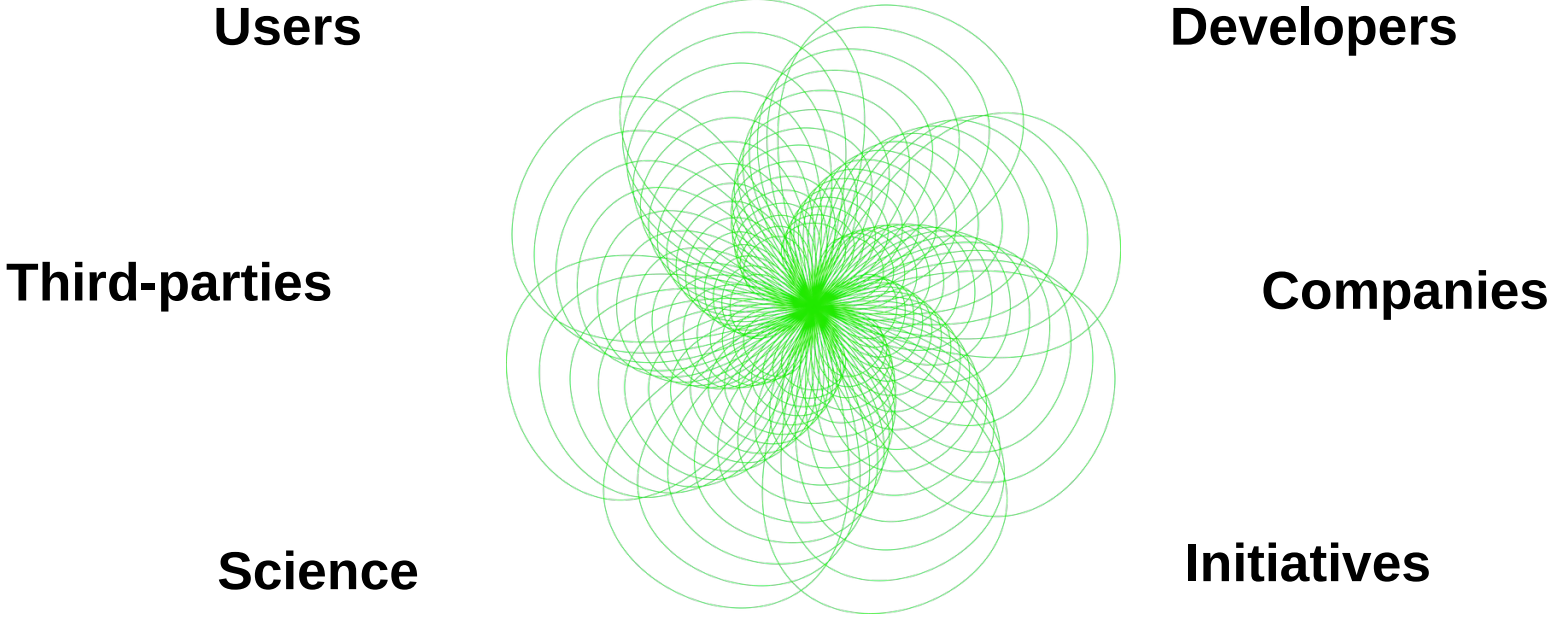
Software Heritage

“Our ambition is to collect, preserve, and share ALL software that is publicly available in source code form.”

Loss of software heritage



Communities create resilient ecosystems



Community governance

Users

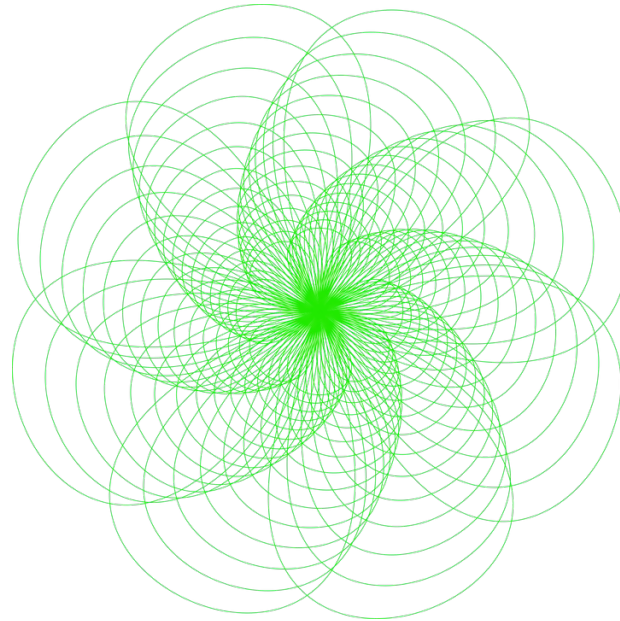
Developers

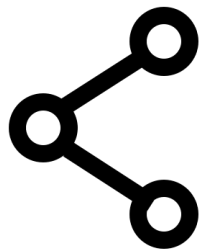
Common goal

Knowledge exchange

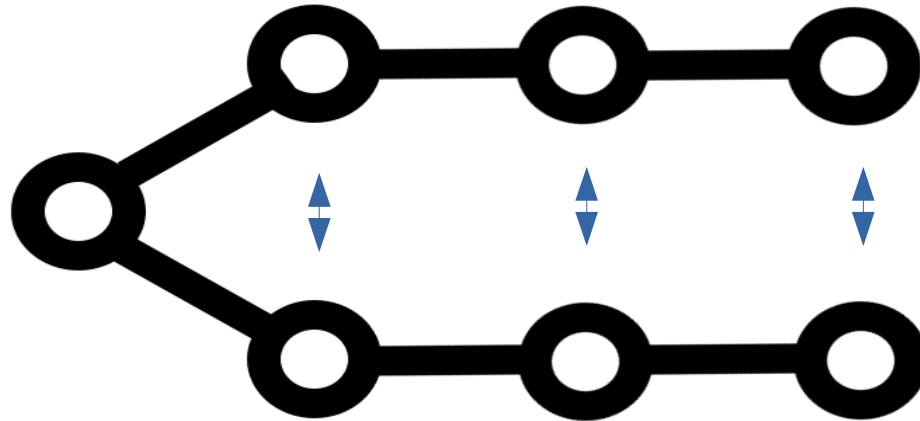
Free licensing

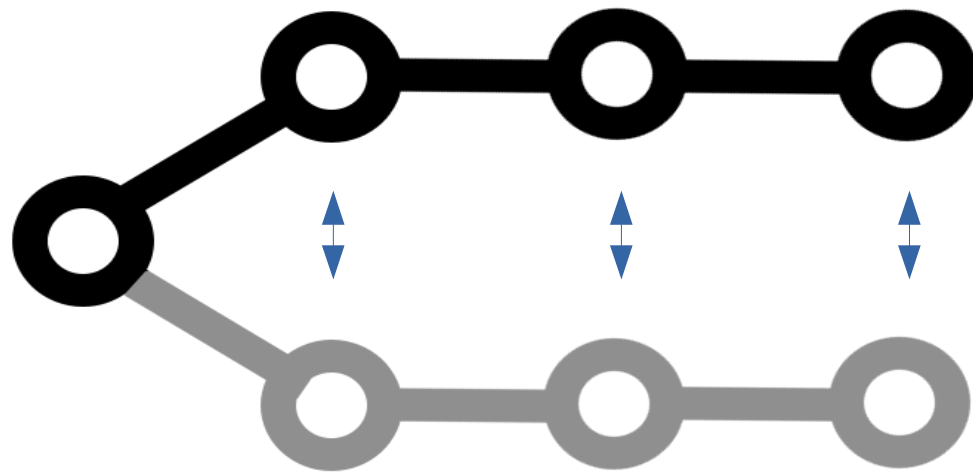
Social exchange

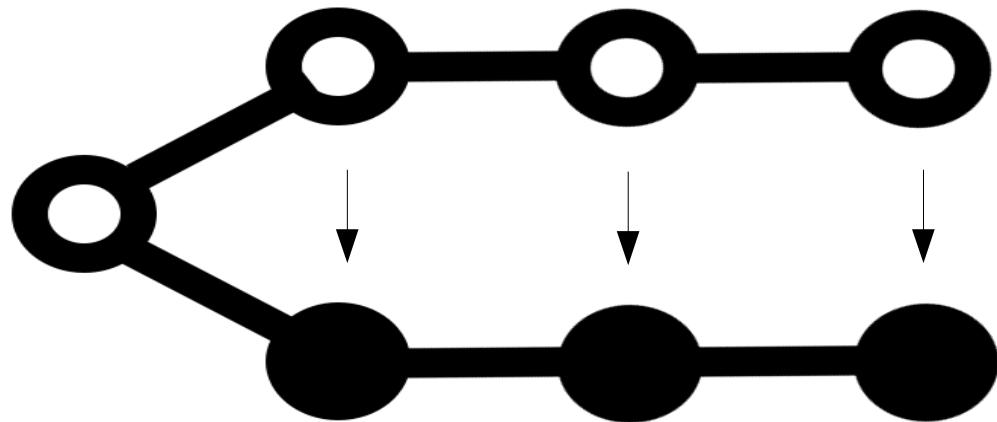




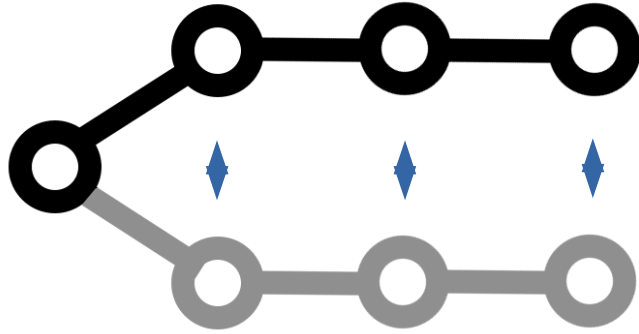
May the fork be with you







Copyleft for sustainability



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Free licences are fundamental for software sustainability

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Community governance helps sustaining software

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Forking needs Copyleft for sustainability