# Buchpreisbindung versus E-Books

## Inhaltsverzeichnis

Ιn	nhaltsverzeichnis	iii
1	Hinweis	1
2	Buchpreisbindung versus E-Books	3
3	Lizenzbestimmungen 3.1 GNU AFFERO GENERAL PUBLIC LICENSE	7
	3.3 TERMS AND CONDITIONS	8
	3.4 How to Apply These Terms to Your New Programs	17

### Kapitel 1

### Hinweis

Dieser Beitrag ist ein Vorabentwurf für die "Kommentare zum Literaturbetrieb in Zeiten der Digitalisierung $^{1}$ ", an dem online $^{2}$  (auch kollaborativ) gearbeitet wird. Er ist weder vollständig noch abgeschlossen. Anlass für die Auseinandersetzung war eine Umfrage auf lesen.net $^{3}$ .

 $<sup>{\</sup>stackrel{1}{{}_{\scriptscriptstyle{1}}}} https://github.com/skreutzer/digitaler\_literaturbetrieb$ 

<sup>&</sup>lt;sup>2</sup>http://www.publishing-systems.org/expwp2/?p=6

http://www.lesen.net/forum/e-books-e-reader-allgemein/

allgemeine-diskussion/17364-umfrage-soll-die-buchpreisbindung-fallen/?postID=257287#post257287

### Kapitel 2

### Buchpreisbindung versus E-Books

In Deutschland gibt es eine sogenannte "Buchpreisbindung¹", welche eine staatliche Regulierung des Buchhandels darstellt. Das Buchpreisbindungsgesetz liefert die rechtliche Grundlage dafür und besagt, dass Buchhändler einen Buchtitel für eine Zeitspanne von 18 Monaten ab Erscheinen ausschließlich zu demjenigen Preis an Endkunden abgeben dürfen, welchen der Verlag festgelegt hat, was dazu führt, dass ein Titel bei allen Buchhändlern gleich viel kostet. Der Verlag kann den Preis innerhalb der 18 Monate beliebig oft neu festsetzen, den dann sämtliche Buchhändler unverändert an den Endkunden weitergeben müssen. Ein Buchhändler darf also nicht einfach den Preis erhöhen, um mehr Gewinn zu erwirtschaften oder Kostendeckung zu erreichen, sondern kann sich nur entscheiden, den Titel zum festgelegten Preis ins Sortiment aufzunehmen oder nicht. Ebenso darf der Preis nicht gemindert werden, um die Konkurrenz zu unterhieten

Die Buchpreisbindung ist ein Instrument, um eine Vielfalt an Buchhändlern auf dem Buchmarkt zu erhalten. Diese Vielfalt ist wichtig, um eine Verödung des Literaturangebots zu verhindern. Wenn es in Deutschland nur ein paar große Buchhandelsketten gäbe und deren Filialen in den Städten die einzigste Anlaufstelle für den Erwerb von Büchern wären, würde das Angebot zunehmend auf die kommerziell erfolgreichsten Titel begrenzt werden, während kleine, unabhängige Buchhandlungen über strategisches Preisdumping in den Konkurs getrieben werden würden. Mit der Preisbindung macht es für den Endkunden keinen preislichen Unterschied, ob in der Buchhandelsketten-Filiale oder in der unabhängigen Buchhandlung eingekauft wird, sodass die Wahl des Buchhändlers bei einem Kauf anhand anderer Kriterien getroffen werden muss als dem Kriterium des Preises. Es gelingt den großen Ketten nicht, Kundschaft durch stets niedrigere Preise abzuwerben und so die unabhängigen Buchhändler schlussendlich ganz zu verdrängen. Auch wenn diese Regelung den meisten Kunden nicht bekannt ist und es noch zahlreiche weitere Effekte gibt, die bei der Wahl des Verkäufers eine Rolle spielen, so obliegt es doch primär dem Geschick des Händlers, die Kundschaft in den eigenen Laden zu locken, damit derselbe Titel nicht bei der Konkurrenz gegenüber erworben wird. Obwohl die einheitliche Bepreisung natürlich nur da von Bedeutung ist, wo sowohl die Fi-

<sup>1</sup>http://de.wikipedia.org/wiki/Buchpreisbindung

liale der großen Buchhandelskette als auch der kleine Buchhändler denselben Titel an den Kunden bringen möchten, bei an sich unterschiedlichen Sortimenten also nur dort eine Rolle spielt, wo ohnehin Übereinstimmung besteht, so ist doch die berechtigte Hoffnung, dass der Kunde im Laden auch die anderen ausgewählten, eventuell sehr spezialisierten Titel bemerkt, welche die zu schützende Vielfalt darstellen, für welche es also möglichst vieler unterschiedlicher Sortimente bedarf, die in möglichst vielen unterschiedlichen Buchläden nebeneinander koexistieren können sollen. Genau dafür sorgt die Buchpreisbindung, und zwar nicht ohne Erfolg.

Größtes Interesse an der Existenz einer Buchpreisbindung hat der Börsenverein des Deutschen Buchhandels², in dem neben Buchhändlern, die nicht durch Preisdumping aus dem Geschäft gedrängt werden möchten, auch Verlage organisiert sind, die ein Preisdiktat durch einen Buchhandels-Monopolisten und damit um den Zugang zum Publikum fürchten müssen. Weil die Exekutive besseres zu tun hat, als die Einhaltung der Preisbindung zu kontrollieren, gibt es mehrere Verbände, die im Auftrag von Verlagen und Buchhändlern Verstöße gegen selbige erst abmahnen und im Zweifel auch zur Anzeige bringen.

Dieses Konzept geht auf, solange es um gedruckte Bücher geht, die der physisch bedingten Knappheit unterliegen und in einem örtlichen Ladengeschäft zum Verkauf angeboten werden. Auf E-Books angewendet ist die Buchpreisbindung nicht nur unglaubwürdig, sie verfehlt nicht nur ihren Zweck, nein, sie richtet sogar einen gewissen Schaden an. Nun hat sich aber leider der Börsenverein des Deutschen Buchhandels in die Ansicht hineingesteigert, dass die Buchpreisbindung auch für E-Books gelten müsse. Rechtlich ist diese Position nicht zu beanstanden, da E-Books durchaus als Erzeugnisse betrachtet werden können, die gedruckte Bücher substituieren. Ganz wie beim dringend reformbedürftigen Urheberrecht auch wird eine entsprechende Klausel dafür heute einfach auf den neuen, gänzlich andersartigen digitalen Kontext angewendet, mit geradezu verheerenden Konsequenzen für die Brauchbarkeit des betroffenen Gesetzes.

Eine Reihe von praktischen Schwierigkeiten für die Buchpreisbindung liegen im Wesen des E-Books begründet. So kann die Buchpreisbindung ohne Weiteres ausgehebelt werden, indem man einfach eine andere "Ausgabe" des E-Books herausgibt, für welche ein eigener Preis festgelegt werden darf und muss, der dann für alle Händler, die diese Ausgabe distributieren, verbindlich ist. Mithilfe von Software kann man Ausstattung und Inhalt in ausreichendem Umfang variieren, dass ein Gericht vermutlich den Grad der Andersartigkeit als Grundlage für einen eigenen Preis akzeptieren könnte. Weil bei gedruckten Büchern eine unterschiedliche Ausstattung unterschiedliche Kosten verursacht (Taschenbuch und illuminierte Ledereinband-Goldschnitt-Ausgabe sollten nicht gerade denselben Preis haben müssen), ist es nur logisch, dass der Verlag einen jeweils eigenen Preis festlegen darf. Auch bei E-Books können bebilderte Ausgaben sowie zusätzliche Texte oder deren besondere Zusammenstellung und Gestaltung zu unterschiedlichen Kosten führen. Zwar können, wenn die E-Books per Software automatisch generiert werden, gleich viel in der Herstellung gekostet haben, obwohl sie sich sehr voneinander unterscheiden, weil aber das automatisch generierte Ergebnis nicht von einem manuell hergestellten Ergebnis zu unterscheiden ist, müsste ein Gericht den konkreten Entstehungsprozess ei-

<sup>&</sup>lt;sup>2</sup>http://www.boersenverein.de/

ner E-Book-Ausgabe untersuchen, wenn die Kosten als Grundlage für einen eigenen Preis herangezogen werden sollen. Weil dies eine rein künstliche Festlegung wäre, sollte eine solche Entscheidung wohl bedacht werden, weil dann nämlich manche E-Book-Ausgaben einer Buchpreisbindung unterliegen würden und andere nicht, ohne dass ein prinzipieller Unterschied erkennbar wäre. Es wäre allerdings zu erwarten, dass die Ausgaben aus klassischer Verlagsproduktion tendenziell eher mit eigenem Preis versehen werden dürften, bei den Verlagen neuen Typs und Self-Publishern hingegen beide Varianten anzutreffen wären. Für E-Book-Distributoren würde das bedeuten, dass E-Books völlig unterschiedlichen Inhalts, Umfangs und ohne erkennbare visuelle Gemeinsamkeiten zu demselben Preis abgegeben werden müssen, welche der Kunde in manchen Fällen als kaum gerechtfertigt ansehen könnte, und das umso mehr, als dieser die Ausgabe selbst und individuell zusammengestellt hat. Auch dürften die Verlage sich einiges einfallen lassen bei der Preisfindung für sämtliche Ausgaben, die aus der Software-Generierung hervorgehen könnten. Die Vielfalt der E-Book-Händler sichert das keineswegs, weil sich gewiefte Teilnehmer in Handarbeit eine billigere Ausgabe als die Konkurrenz produzieren lassen könnten. Dass E-Books natürlich auch druckbar sind und sich auch vor Ort in der lokalen Buchhandlung, wenn schon vorerst noch nicht durch eine Espresso Book Machine<sup>3</sup>, dann doch infolge zunehmender Anbindung von Print-on-Demand<sup>4</sup>-Dienstleistern, gedruckte und elektronische Titel mit ihren gebundenen Preisen gegenseitig in die Quere kommen, findet bisher noch überhaupt keine Berücksichtigung, zumal auch die klassische Rollenaufteilung von Autor, Verlag und Buchhändler längst in der Auflösung begriffen ist.

Aber wie sieht digitaler Buchhandel überhaupt aus? Es wäre ja offenkundig fahrlässig, anzunehmen, dass sich der Offline-Buchhandel einfach nur online ganz genauso fortsetzt. Im Web braucht es nicht für jede Ortschaft einen eigenen Buchladen, sondern Buchhändler unterhalten eine einzige Online-Präsenz oder einen E-Book-Shop oder beides. Die Kunden sind nicht auf die Buchhandlungen ihres örtlichen Einzugsgebiets begrenzt, sondern haben im gesamten globalen Netz jederzeit Zugang zu sämtlichen Händlern. Was bedeutet Vielfalt in diesem Zusammenhang eigentlich? Sicher kann nicht eine Vielzahl von Online-Shops gemeint sein, denn online ist der Zugang zu einem vielfältigen Angebot nicht von der Menge der Händler abhängig. In der physischen Welt sind Regalmeter und Verkaufsfläche begrenzt, auf einer Webseite ist der Platz für die Präsentation von Produkten unbegrenzt. Sowie eine Vielzahl von Vollsortimentern keinen Vorteil mit sich bringt, so wenig brauchen kleine Online-Buchhändler mit einem Vollsortimenter mit dem Ziel des Erhalts von Vielfalt konkurrieren. Und nicht allein das: wo die Platz-Begrenzung eines gedruckten Katalogs den endlosen Weiten einer Webseite weicht, ist der Versand von gedruckten Büchern und die Distribution von E-Books mittlerweile eine Frage der zentralisierten, hochoptimierten Logistik geworden, wo ein Vollsortiment-Überbau die Vielfalt sichert und die Konkurrenz nur noch uneffektive Redundanz hervorbringen kann. Während einerseits das Web jedermann den Zugang zu einem Publikum eröffnet und quasi, solange es neutral, offen und frei bleibt, ein Garant für Vielfalt ist (neue Konkurrenz entsteht ständig und überall), wären andererseits die Investitionen immens, die zu tätigen wären, um selbst zum Vollsortimenter zu

<sup>3</sup>https://www.youtube.com/watch?v=qJUla8xJ5BM

<sup>4</sup>https://en.wikipedia.org/wiki/Print-on-demand

werden. Auch die technische Komplexität eines hinreichend guten Online-Shops oder die ... eines genügend großen Publikums kann erhebliche Kosten verursachen. Darum treten viele kleinere Buchhändler nicht mit eigener technischer Infrastruktur an, sondern bedienen sich eines gebrandeten Fremdsystems. Und daran zeigt sich unter anderem, dass ein Online-Buchhändler längst keine Bücher mehr verkauft, sondern stattdessen ein Software-Dienstleister ist.

### Kapitel 3

### Lizenzbestimmungen

Alle Teile dieses Werkes mit Ausnahme des nachfolgenden Lizenztextes: Copyright (C) 2014 Stephan Kreutzer. GNU Affero General Public License 3 or any later version.

#### 3.1 GNU AFFERO GENERAL PUBLIC LICENSE

Version 3, 19 November 2007

Copyright © 2007 Free Software Foundation, Inc. <http://fsf.org/ $^1>$  Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### 3.2 Preamble

The GNU Affero General Public License is a free, copyleft license for software and other kinds of works, specifically designed to ensure cooperation with the community in the case of network server software.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, our General Public Licenses are intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

Developers that use our General Public Licenses protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License which gives you legal permission to copy, distribute and/or modify the software.

A secondary benefit of defending all users' freedom is that improvements made in alternate versions of the program, if they receive widespread use, become available for other developers to incorporate. Many developers of free software are heartened and encouraged by the resulting cooperation. However,

<sup>1</sup>http://fsf.org/

in the case of software used on network servers, this result may fail to come about. The GNU General Public License permits making a modified version and letting the public access it on a server without ever releasing its source code to the public.

The GNU Affero General Public License is designed specifically to ensure that, in such cases, the modified source code becomes available to the community. It requires the operator of a network server to provide the source code of the modified version running there to the users of that server. Therefore, public use of a modified version, on a publicly accessible server, gives the public access to the source code of the modified version.

An older license, called the Affero General Public License and published by Affero, was designed to accomplish similar goals. This is a different license, not a version of the Affero GPL, but Affero has released a new version of the Affero GPL which permits relicensing under this license.

The precise terms and conditions for copying, distribution and modification follow.

#### 3.3 TERMS AND CONDITIONS

#### 0. Definitions.

"This License" refers to version 3 of the GNU Affero General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

#### 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

#### 2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of

your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

# 3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

#### 4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

#### 5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces

that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

#### 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the

work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

#### 7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

#### 8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void,

and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

#### 9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

#### 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

#### 11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you

entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

#### 12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

## 13. Remote Network Interaction; Use with the GNU General Public License.

Notwithstanding any other provision of this License, if you modify the Program, your modified version must prominently offer all users interacting with it remotely through a computer network (if your version supports such interaction) an opportunity to receive the Corresponding Source of your version by providing access to the Corresponding Source from a network server at no charge, through some standard or customary means of facilitating copying of software. This Corresponding Source shall include the Corresponding Source for any work covered by version 3 of the GNU General Public License that is incorporated pursuant to the following paragraph.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the work with which it is combined will remain governed by version 3 of the GNU General Public License.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU Affero General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU Affero General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU Affero General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU Affero General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

#### 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMI-TED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTI-

#### 16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PER-MITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMA-GES ARISING OUT OF THE USE OR INABILITY TO USE THE PRO-GRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMA-GES.

#### 17. Interpretation of Sections 15 and 16.

#### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> Copyright (C) < year > < name of author >

This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WI-THOUT ANY WARRANTY; without even the implied warranty of MER-CHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Affero General Public License for more details.

You should have received a copy of the GNU Affero General Public License along with this program. If not, see <a href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</a>>.

Also add information on how to contact you by electronic and paper mail. If your software can interact with users remotely through a computer network, you should also make sure that it provides a way for users to get its source. For example, if your program is a web application, its interface could display a "Source" link that leads users to an archive of the code. There are many ways you could offer source, and different solutions will be better for different programs; see section 13 for the specific requirements.

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU AGPL, see <a href="http://www.gnu.org/licenses/2">http://www.gnu.org/licenses/2</a>>.

<sup>&</sup>lt;sup>2</sup>http://www.gnu.org/licenses/