TEAM ID:	NM2023TMID04432
PROJECT NAME:	AGRICULTURE DOCS CHAIN

OPEN SOURCE FRAMEWORKS

OPEN SOURCE:

- ➢ There are examples of "open source" meaning the source code was published, but not free software (purchasing a license was still required for use), in 1996.

- ➢ Another recollection has it in use during the 1980s.

- ➢ It was later proposed by a group of people in the [free software movement](#) who were critical of the political agenda and moral philosophy implied in the term "free software" and sought to reframe the discourse to reflect a more commercially minded position.

- ➢ In addition, the ambiguity of the term "free software" was seen as discouraging business adoption.

- ➢ However, the ambiguity of the word "free" exists primarily in English as it can refer to cost.
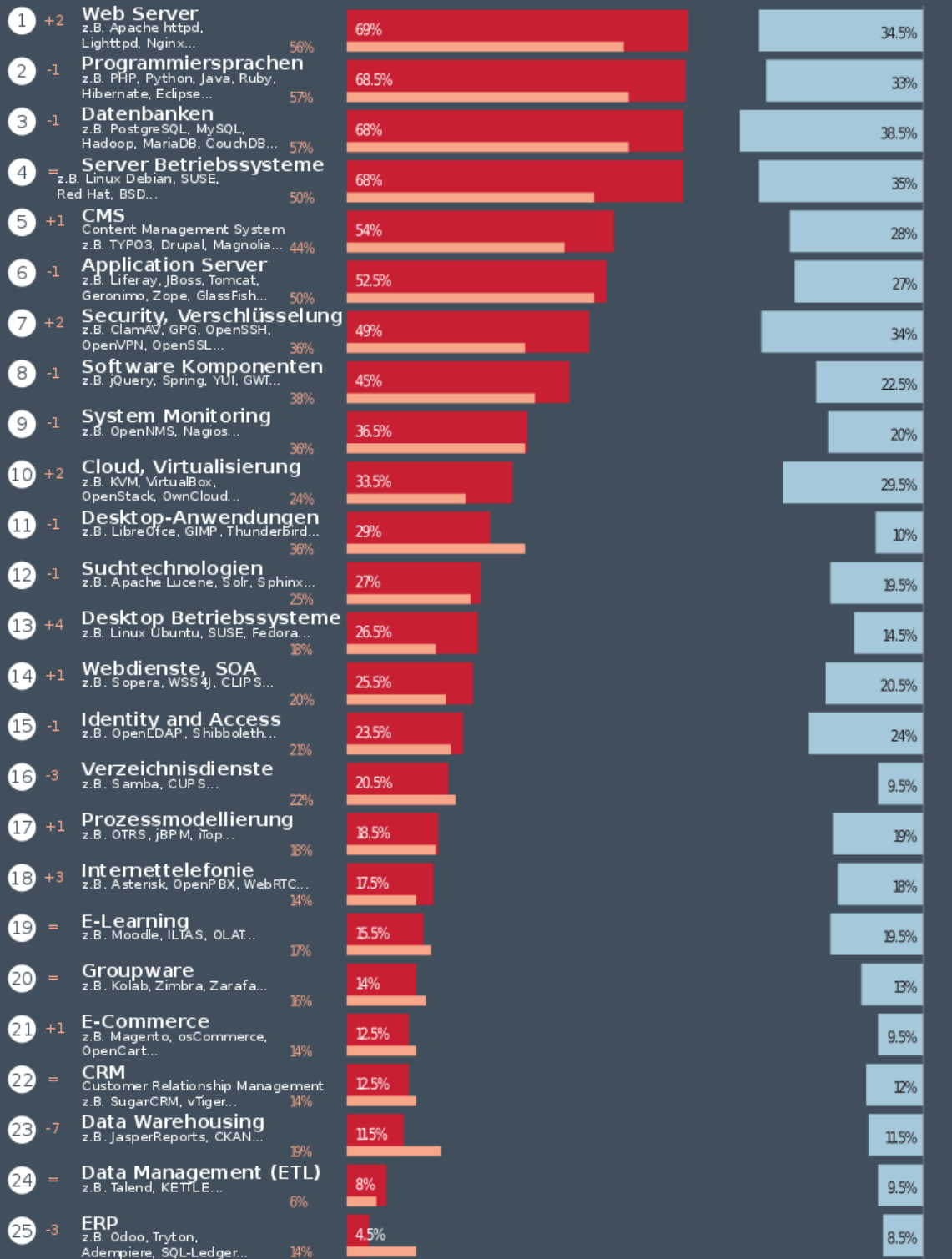
➢ The group included Christine Peterson, Todd Anderson, Larry Augustin, Jon Hall, Sam Ockman, Michael Tiemann and Eric S. Raymond. Peterson suggested "open source" at a meeting held at Palo Alto, California, in reaction to Netscape's announcement in January 1998 of a source code release for Navigator.

➢ Linus Torvalds gave his support the following day, and Phil Hughes backed the term in *Linux Journal*.

➢ Richard Stallman, the founder of the free software movement, quickly decided against endorsing the term.

➢ Netscape released its source code under the Netscape Public License and later under the Mozilla Public License.

➢ Raymond was especially active in the effort to popularize the new term.

➢ He made the first public call to the free software community to adopt it in February 1998.

Shortly after, he founded The Open Source Initiative in collaboration with Bruce Perens.[20]

➢ The term gained further visibility through an event organized in April 1998 by technology publisher [Tim O'Reilly](#).

➢ Originally titled the "Freeware Summit" and later known as the "Open Source Summit", the event was attended by the leaders of many of the most important free and open-source projects, including Linus Torvalds, [Larry Wall](#), [Brian Behlendorf](#), [Eric Allman](#), [Guido van Rossum](#), [Michael Tiemann](#), [Paul Vixie](#), [Jamie Zawinski](#), and Eric Raymond.

➢ At that meeting, alternatives to the term "free software" were discussed.

➢ Tiemann argued for "sourceware" as a new term, while Raymond argued for "open source."

➢ The assembled developers took a vote, and the winner was announced at a press conference the same evening.

Anwendungsgebiete und Bedarf an Dienstleistungen
von Open Source Software in Schweizer Organisationen (N=200)

1 +2 **Web Server** z.B. Apache httpd, Lighttpd, Nginx... — 69% / 56% — 34.5%

2 -1 **Programmiersprachen** z.B. PHP, Python, Java, Ruby, Hibernate, Eclipse... — 68.5% / 57% — 33%

3 -1 **Datenbanken** z.B. PostgreSQL, MySQL, Hadoop, MariaDB, CouchDB... — 68% / 57% — 38.5%

4 = **Server Betriebssysteme** z.B. Linux Debian, SUSE, Red Hat, BSD... — 68% / 50% — 35%

5 +1 **CMS** Content Management System z.B. TYPO3, Drupal, Magnolia... — 54% / 44% — 28%

6 -1 **Application Server** z.B. Liferay, JBoss, Tomcat, Geronimo, Zope, GlassFish... — 52.5% / 50% — 27%

7 +2 **Security, Verschlüsselung** z.B. ClamAV, GPG, OpenSSH, OpenVPN, OpenSSL... — 49% / 36% — 34%

8 -1 **Software Komponenten** z.B. jQuery, Spring, YUI, GWT... — 45% / 38% — 22.5%

9 -1 **System Monitoring** z.B. OpenNMS, Nagios... — 36.5% / 36% — 20%

10 +2 **Cloud, Virtualisierung** z.B. KVM, VirtualBox, OpenStack, OwnCloud... — 33.5% / 24% — 29.5%

11 -1 **Desktop-Anwendungen** z.B. LibreOfce, GIMP, ThunderBird... — 29% / 36% — 10%

12 -1 **Suchtechnologien** z.B. Apache Lucene, Solr, Sphinx... — 27% / 25% — 19.5%

13 +4 **Desktop Betriebssysteme** z.B. Linux Ubuntu, SUSE, Fedora... — 26.5% / 18% — 14.5%

14 +1 **Webdienste, SOA** z.B. Sopera, WSS4J, CLIPS... — 25.5% / 20% — 20.5%

15 -1 **Identity and Access** z.B. OpenLDAP, Shibboleth... — 23.5% / 21% — 24%

16 -3 **Verzeichnisdienste** z.B. Samba, CUPS... — 20.5% / 22% — 9.5%

17 +1 **Prozessmodellierung** z.B. OTRS, jBPM, iTop... — 18.5% / 18% — 19%

18 +3 **Internettelefonie** z.B. Asterisk, OpenPBX, WebRTC... — 17.5% / 14% — 18%

19 = **E-Learning** z.B. Moodle, ILIAS, OLAT... — 15.5% / 17% — 19.5%

20 = **Groupware** z.B. Kolab, Zimbra, Zarafa... — 14% / 16% — 13%

21 +1 **E-Commerce** z.B. Magento, osCommerce, OpenCart... — 12.5% / 14% — 9.5%

22 = **CRM** Customer Relationship Management z.B. SugarCRM, vTiger... — 12.5% / 14% — 12%

23 -7 **Data Warehousing** z.B. JasperReports, CKAN... — 11.5% / 19% — 11.5%

24 = **Data Management (ETL)** z.B. Talend, KETTLE... — 8% / 6% — 9.5%

25 -3 **ERP** z.B. Odoo, Tryton, Adempiere, SQL-Ledger... — 4.5% / 14% — 8.5%

Veränderung Rang gegenüber 2012

■ 2015 im Einsatz oder in Planung +/-
■ 2012 im Einsatz oder in Planung (N=202)

■ Erwarteter Bedarf an Dienstleistungen