

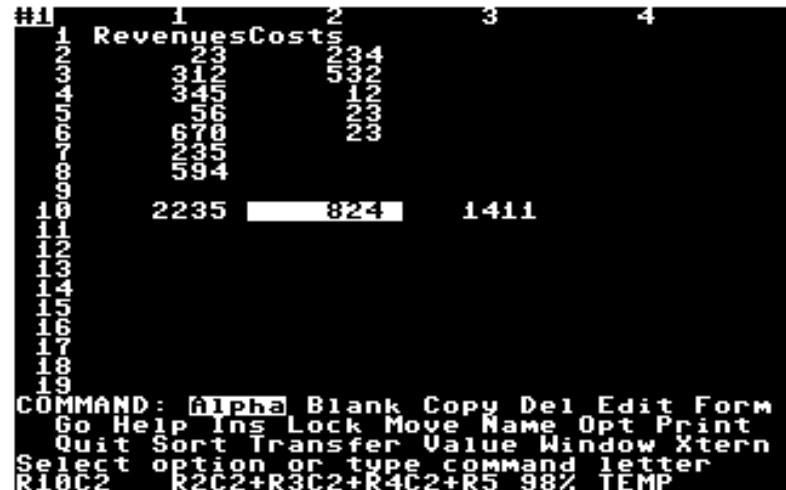
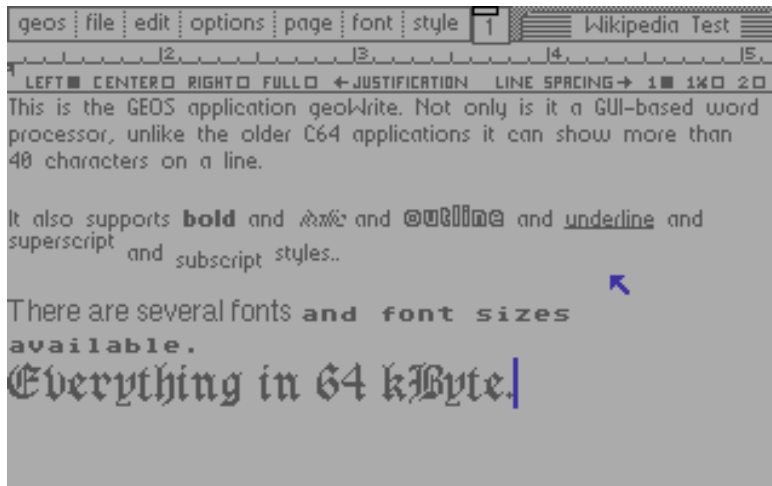


# Data Liberty via the OpenDocument Format

Erwin Tenhumberg  
Community Development & Marketing  
Open Source Group  
Sun Microsystems  
October 2006



# Can you still open your old files?



Source: Wikipedia

# Memories move to electronic formats



# What standard can encourage interoperability and competition?

- A standard that - based on the charter - has to be compatible with one particular application from one vendor:

ECMA TC45 Charter: “Produce a standard which is fully compatible with the Office Open XML Formats”

or

- A standard that was designed to be vendor and application independent?

# ODF Design Goals

## Statement of Purpose

The purpose of this TC is to create an open, XML-based file format specification for office applications.

The resulting file format must meet the following requirements:

1. it must be suitable for office documents containing text, spreadsheets, charts, and graphical documents,
2. it must be compatible with the W3C Extensible Markup Language (XML) v1.0 and W3C Namespaces in XML v1.0 specifications,
3. it must retain high-level information suitable for editing the document,
4. it must be friendly to transformations using XSLT or similar XML-based languages or tools,
5. it should keep the document's content and layout information separate such that they can be processed independently of each other, and
6. it should 'borrow' from similar, existing standards wherever possible and permitted.

**ODF starts a new game with new rules that lets everybody participate**

**ISO/IEC 26300**

# Defined in an open, transparent process

- Mailing lists open to the public
- Individual members allowed
- Public meeting agendas and minutes
- Received public comments are publicly visible



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**Open Document Format for Office Applications (OpenDocument) v1.0**

OASIS Standard, 1 May 2005

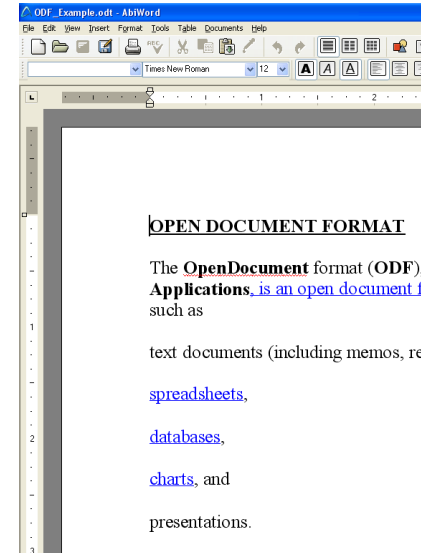
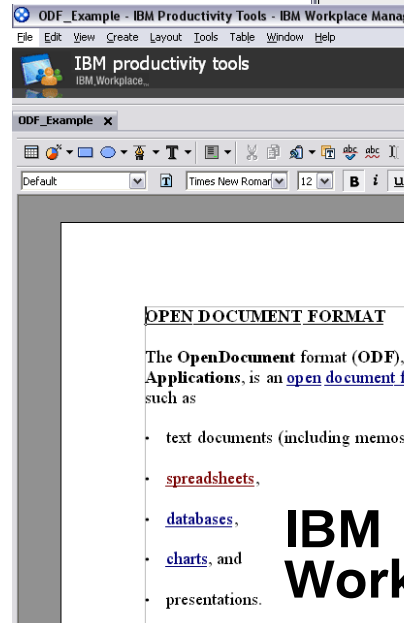
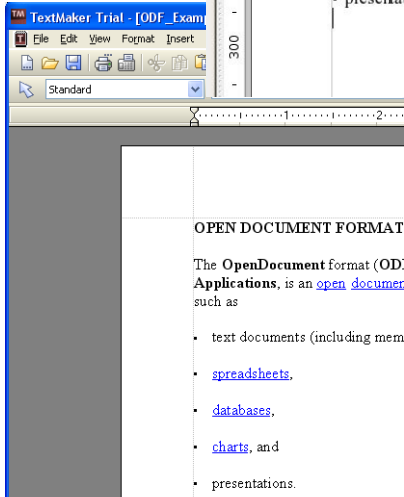
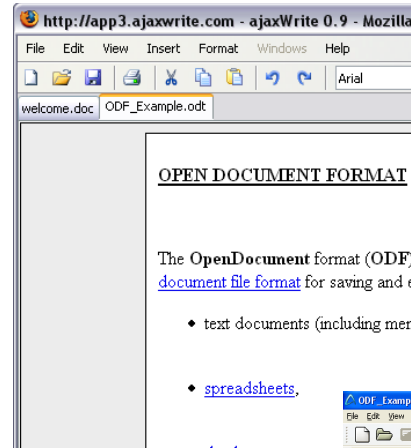
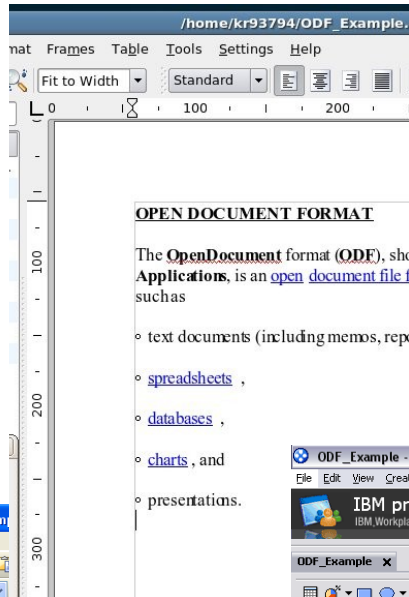
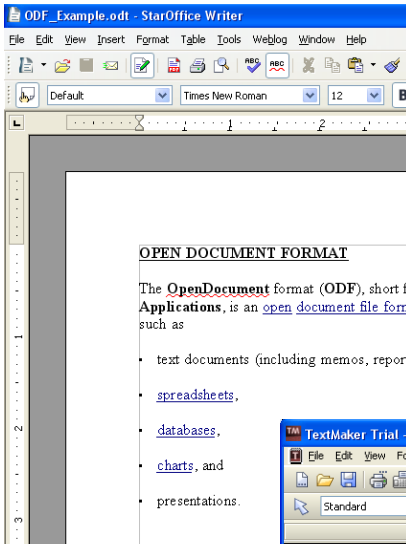


# The first teams have joined

OpenOffice.org & StarOffice

KOffice

AjaxWrite



TextMaker

IBM Workplace

AbiWord



# Applications supporting ODF

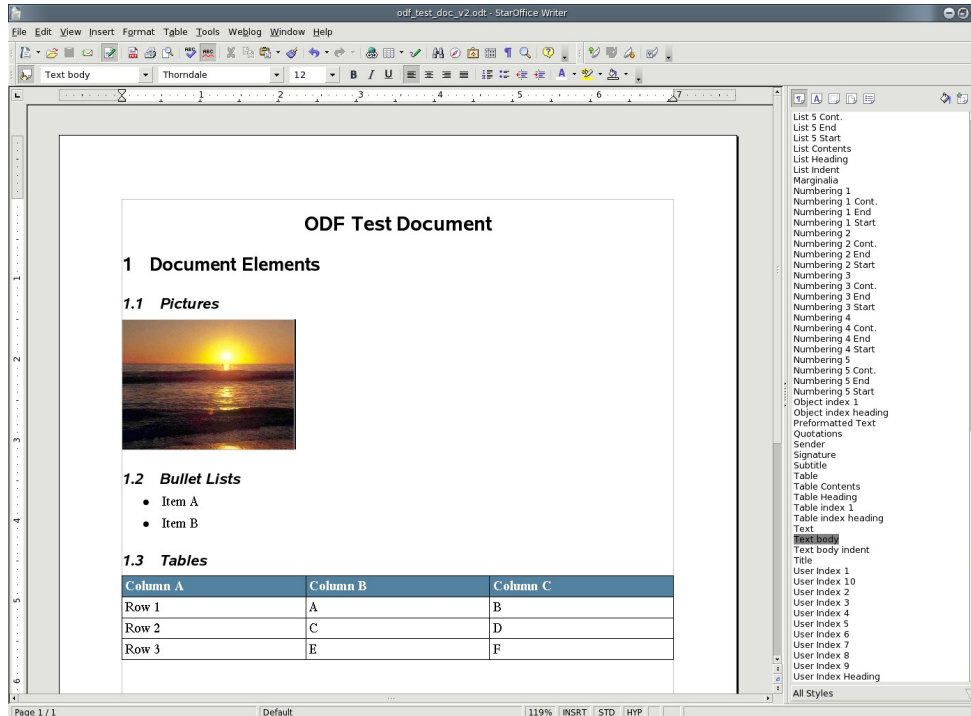
- OpenOffice.org
- Sun StarOffice Office Suite
- KOffice
- IBM Workplace
- TextMaker
- AbiWord / Gnumeric
  - > Contributed by an R&D group belonging to Nokia
- Google Writely/Spreadsheet
- AjaxWrite
- Microsoft Office (via plug-ins)
- Mozilla Firefox (via plug-ins)

# All major platforms covered

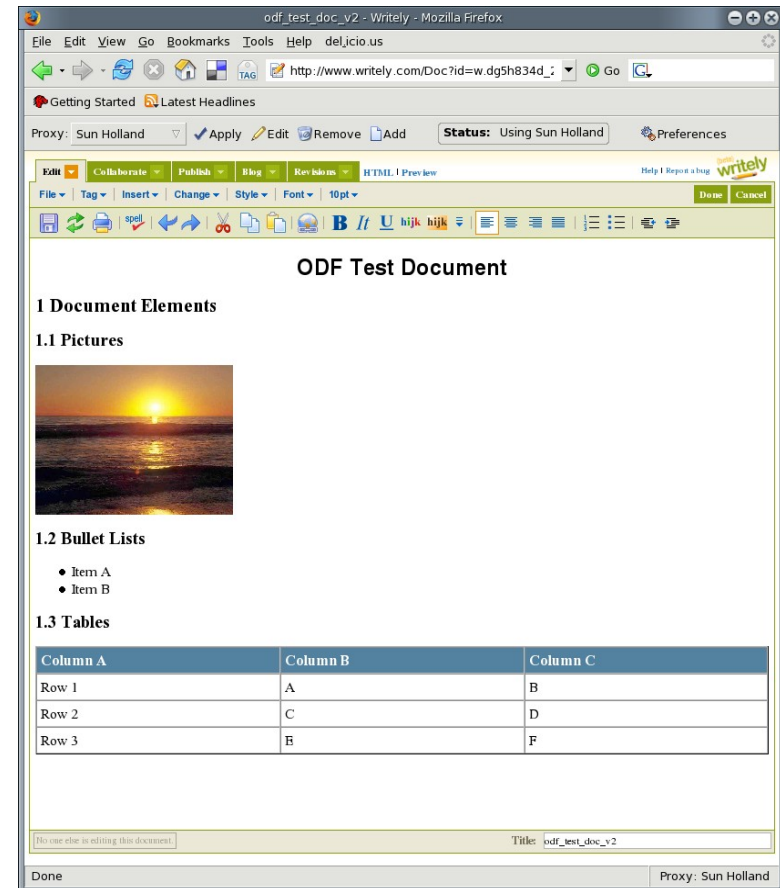
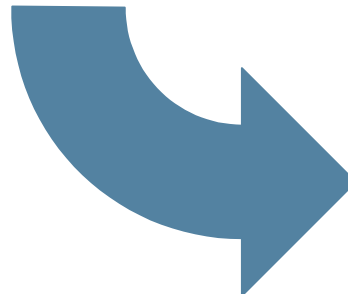
- Windows
- Linux
- Mac OS X
- Solaris OS
- FreeBSD
- Symbian
- PalmOS

# ODF enabling new collaboration concepts

Online / Browser  
(Google Docs & Spreadsheet)



Offline / PC  
(OpenOffice.org)



# Broad reuse of established standards

- Dublin Core
- SVG
- MathML
- XForms
- XLS:FO
- XLink
- SMIL

# A long tradition of openness

| Year | Events / Milestones   |
|------|---|
| 1999 | Development of an XML file format begins at StarDivision, Sun acquires StarDivision   |
| 2000 | Foundation of the OpenOffice.org project, foundation of an XML community project  |
| 2002 | First collaboration with the KDE/KOffice project, first OASIS ODF TC conference call, OpenOffice.org 1.0 / StarOffice 6 released with OpenOffice.org XML file format support                                |
| 2003 | KOffice decides to use ODF as its default file format   |
| 2005 | ODF approved as OASIS standard, OpenOffice.org 2.0 / StarOffice 8 released with ODF support, ODF submitted to ISO, Sun issues patent covenant statement, Softmaker releases Textmaker 2006 with ODF support |
| 2006 | IBM releases IBM Workplace with ODF support, ODF Alliance founded, KOffice with ODF default file format released, ODF Adoption TC founded, ISO approves ODF as ISO/IEC 26300                                |



ODF TC and ODF Adoption TC members  
include  
Adobe, IBM, Intel, Novell, Oracle, Sun

# A growing number of contributors

## Appendix F. Acknowledgments (Non Normative)

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 Lauren Wood, Individual  
 Simon Davis, National Archive of Australia  
 Mark Heller, New York State Office of the Attorney General  
 Phil Boutros, Stellant



OPEN DOCUMENT FORMAT

**ODF ALLIANCE**

More than 300 members in 6 months, e.g.:

BBC, Bristol City Council, Bull, Corel,  
EDS, EMC, Google, IBM, Novell, Oracle,  
Red Hat, Software AG, Sun Microsystems,  
City of Vienna, etc.

# Government Efforts including ODF

- Commonwealth of Massachusetts, USA (ETRM)  
[http://www.mass.gov/Aitd/docs/policies\\_standards/etrm3dot5/](http://www.mass.gov/Aitd/docs/policies_standards/etrm3dot5/)
- Belgium  
<http://presscenter.org/archive/20060623/432d0130470a88df1105dda38d1282b0/?lang=en&prLang=nl>  
<http://presscenter.org/archive/20060623/432d0130470a88df1105dda38d1282b0/?lang=en&prLang=fr>
- Spain / Extremadura  
<http://lwn.net/Articles/193402/>
- Denmark  
<http://gotze.eu/2006/06/openize-denmark-parliament-orders.html>
- France (RGI)  
[http://www.adele.gouv.fr/article.php3?id\\_article=1064](http://www.adele.gouv.fr/article.php3?id_article=1064)
- Germany (SAGA)  
<http://www.kbst.bund.de/saga>

# Government Efforts including ODF

- Switzerland

[http://www.ech.ch/index.php?option=com\\_docman&task=view\\_category&Itemid=181&subcat=222&catid=7&limitstart=0&lir](http://www.ech.ch/index.php?option=com_docman&task=view_category&Itemid=181&subcat=222&catid=7&limitstart=0&lir)

- Malaysia

<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&STORY=/www/story/07-27-2006/0004404834&l>

- Brazil

<http://www.convergenciadigital.com.br/cgi/cgilua.exe/sys/start.htm?inford=3884&sid=1>

- IDABC (European Commission)

<http://ec.europa.eu/idabc/en/document/3439/5585>

# Gartner says ...

**„By 2010, ODF document exchange will be required by 50 percent of government and 20 percent of commercial organizations (0.7 probability).”**

[http://www.gartner.com/resources/140100/140101/iso\\_approval\\_of\\_oasis\\_opendo\\_140101.pdf](http://www.gartner.com/resources/140100/140101/iso_approval_of_oasis_opendo_140101.pdf)

# By the way ...

Only 15% of the worlds population have  
(access to) a computer yet!

Estimation based on data from:

<http://geography.about.com/cs/worldpopulation/a/mostpopulous.htm>

<http://www.infoplease.com/ipa/A0004391.html>

[http://www.nationmaster.com/graph-T/peo\\_pop](http://www.nationmaster.com/graph-T/peo_pop)

<http://www.c-i-a.com/pr0305.htm>

# OpenOffice.org is more than Sun

- More than 765 organizations have signed a Joint Copyright Assignment indicating their intent to contribute to OpenOffice.org
- Some examples of corporate contributors:
  - > Sun Microsystems
  - > Novell
  - > Intel
  - > Red Hat
  - > Google
  - > CH2000
  - > Propylon
  - > ...

opendocument  xml.org

Online community for the OpenDocument Format OASIS Standard

ODF community site for sharing  
experiences and knowledge





**Thank you!**

**Erwin Tenhumberg**

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