# Open standards & FLOSS in the Swedish public sector

- experiences from local government

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# Open standards and FLOSS in the Swedish public sector

- **Experiences** on the use of open ICT standards within Swedish municipalities

- **How can we succeed** in avoiding lock-in to specific vendors in the ICT area?

- **How can we create infrastructure** using standardized platforms?

- **How do we engage** management and political leadership in open standards and FLOSS?

- **Our experience** on how to use cooperation between municipalities to create innovation.

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Alingsås is located in the western part of Sweden

Founded in 1619

Municipality of
# Alingsås

Fikafesten
i Alingsås

upptäck
**ALINGSÅS**

Kaféguidningar
Afternoon Tea
Stora Kafferepet
Tårttävling

Lights in Alingsås

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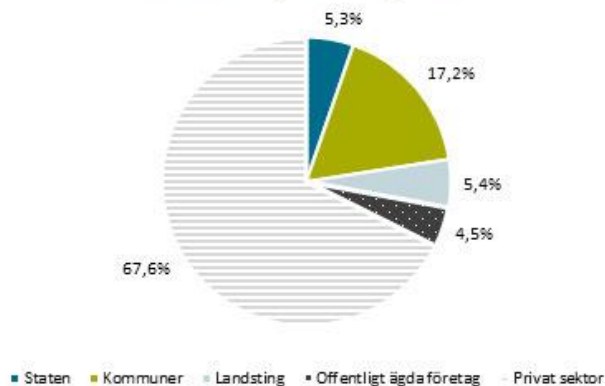
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# Public sector in Sweden

**Municipalities**

**County councils and regions**

**Government**

Andel sysselsatta i offentlig sektor och offentligt ägda företag

av den totala sysselsättningen 2013



- Staten
- Kommuner
- Landsting
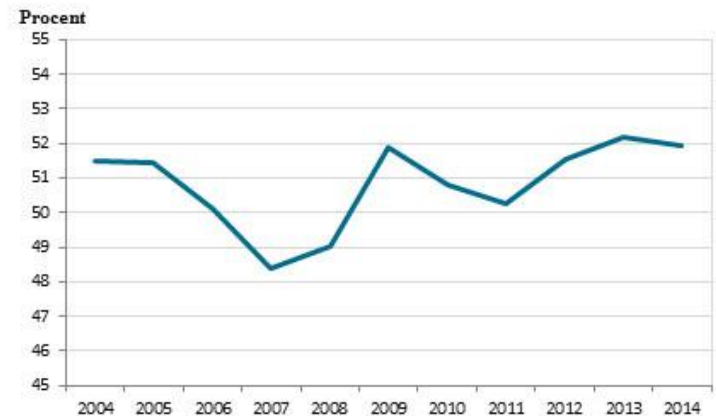- Offentligt ägda företag
- Privat sektor

Proportion of employment in the public sector and publicly owned companies of total employment

Axel Oxienstierna 1583 - 1654

Offentliga sektorns utgifter 2004–2014, relation till BNP



Public sector expenditure 2004-2014, relative to GDP

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# 290 Municipalities of Sweden
## - local government

## We are responsible for

- Childcare and pre-school

- Primary and secondary schools

- Social service

- Elderly care

- Support to people with disabilities

- Health and environmental issues

- Emergency services (not policing)

- Urban planning

- Sanitation (waste, sewage)

**Municipalities**

- are an self-governing local authorities
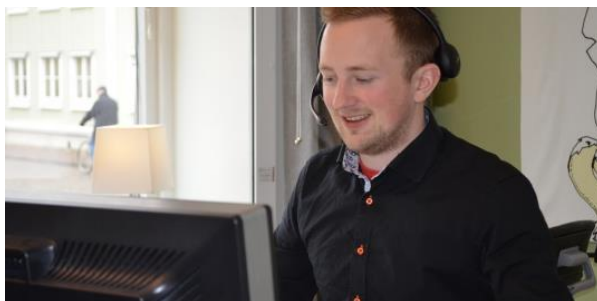
- have independent powers of taxation

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# The municipality of Alingsås
# - local government

- **40000 Inhabitants**
- **4000   Employees**
- **6000   Students**
- **€ 200  Million**

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# Our Challenges

- An everyday event: "The system could not be started! Please use Internet Explorer version 6.0 or later."

- A vendor lock-in situation for business system i the public sector (HR-systems, health care systems, diary-systems, etc)

- 120 business system in Alingsås

- How can we get open source business applications – like the KOHA library system

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# Open Standards

- When we develop and procure software we want to use open standards which does not discriminate against open source.

- In Sweden, Kammarkollegiet has published a list of open standards (SOU 2009:86; EIFv1.0): https://www.avropa.se/contentassets/ee65480ebf2641d4b161906e3e35449a/oppna-standarder---programvaror-och-tjanster.pdf

- All standards on this list can be implemented in software provided under different licenses, both proprietary and FLOSS

- In Alingsås, we do not want to become locked-in and therefore we seek to require open standards whenever possible

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# Procurement

- We are using the framework agreements for software and services from Kammarkollegiet (Swedish National Procurement Services)

- Less work for us compared to open tenders

- Legal framework making it easy to demand FLOSS and open standards

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# ICT strategy

**Alingsås ICT strategy - decided by the municipality assembly:**

- "Open standard and open source creates benefits for the municipality"

- "The platform should continue to use open source ... making us less dependent on individual suppliers"

- "ICT should focus on support to business change"

National strategy - decided by Swedish Assocation of Local Authorities and Regions (SKL)

"the local government sector should impose requirements on open standards"

**Important to engage the political leadership in the ICT strategy**

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# FLOSS components in Alingsås open architecture

- Drupal  - CMS

- Shibboleth - Single Sign On (SAML)

- LibreOffice  - Office software

- Alfresco  - Enterprise Content Management

- Apache Solr - Enterprise search

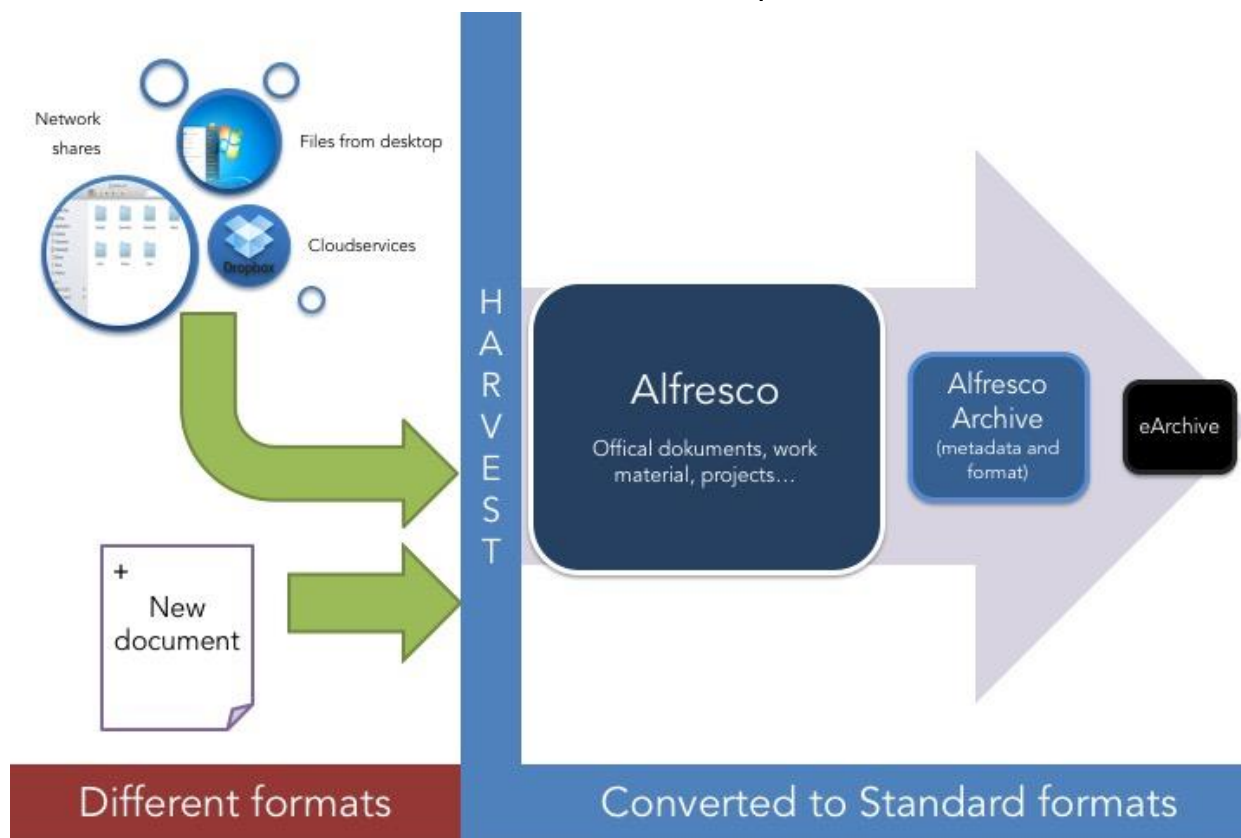- Mule -  Enterprise service bus

- Linux – Server O/S

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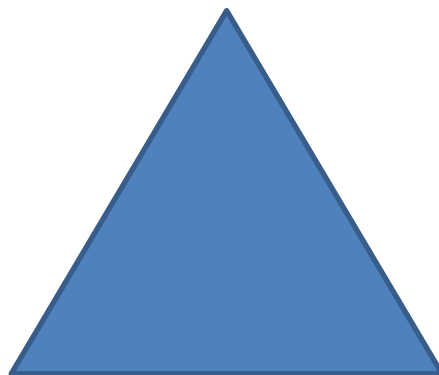
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# Alingsås open infrastructure
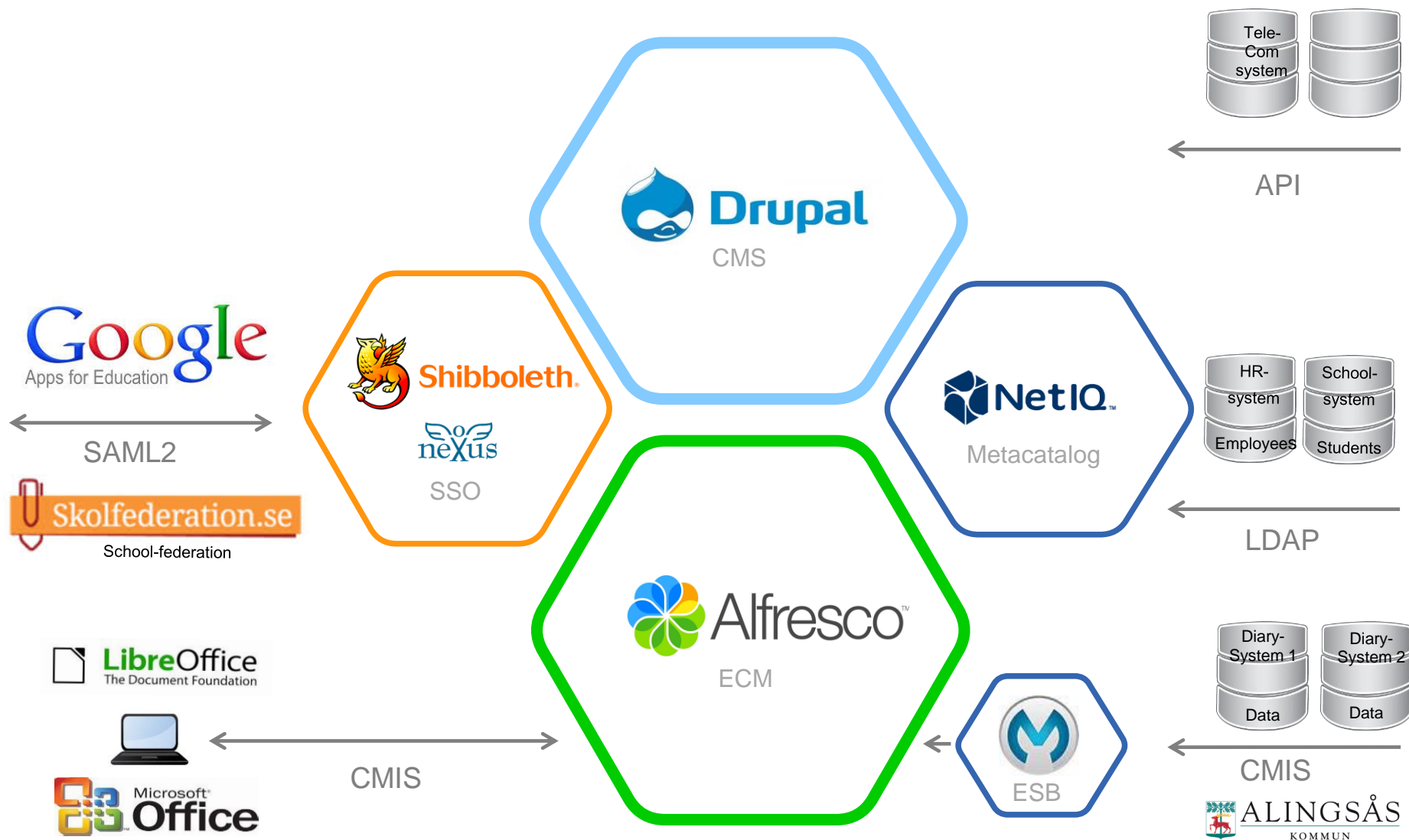
# Open document standard

- Document in active lifecycle - ODF
- Document in end state - PDF (PDF/A-1 i.e **not** PDF/A-2)

# Kivos - network for collaboration

**Working from bottom up**

# Kivos statement

- The **open source network** is primarily for **municipalities in western Sweden**, but is also open to municipalities from other areas in Sweden

- We want to **promote the use of open source** and open standards in the municipalities

- We want to **spread information and experiences** on open solutions among municipalities and the rest of public sector

- We want that open source software and open standards must be, as far as possible, a **requirement in the procurement** of business systems

- We want to promote **collaboration between municipalities** and **universities** on issues of open standards

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# The Kivos municipalities ask software vendors to use open standards

Till
Aditro AB, Tieto AB, Pulsen AB, Bluegarden, EDP-konsult, SiriusIT, EBI-systems AB, Logica AB, IST AB, Kordab

Kopia: Mats Östling, SKL, Sambruk, Kommits

Vi är ett tiotal kommuner i Västsverige som samverkar i IT-frågor..

Vi arbetar för att stödja dokumentformatet ODF- och PDF för kontorsdokument. Våra kommuner är just nu aktiva med att implementera OpenOffice som kontorsprogram.

Vi vänder oss till er som befintliga eller presumtiva kunder.
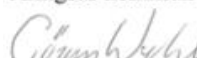
Under testperioden har vi noterat att era verksamhetssystem är hårt knutna mot Microsoft Office.

Vårt önskemål är att ni öppnar upp era applikationer så att vi även kan använda OpenOffice i samverkan med era verksamhetssystem.

Framöver kommer vi vid upphandling av nya applikationer och system att resa detta som ett krav.

Vi ser fram emot ett svar på ovanstående frågeställningar

| Alingsås kommun | Vårgårda kommun | Ale kommun | Falköpings kommun |
|---|---|---|---|
| Göran Westerlund IT-chef | Göte Olsson IT-chef | Per-Erik Lunddahl tf IT-chef | Per Augustsson IT-chef |

| Mölndals kommun | Grästorps kommun | Stenungsunds kommun | Vara kommun |
|---|---|---|---|
| Göran Persson IT-chef | Lennart Blanckenfiell Adm chef | Daniel Lundqvist IT-tekniker | Ola Johansson IT-strateg |

Svenljunga kommun

Christian Bonfré
IT-chef

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# Achievements of Kivos

- **Jukebox – digital service platform**
http://sourceforge.net/projects/jukeboxeservice/

- **FixaMinGata – report problems in the local environment**
https://github.com/mysociety/fixmystreet/blob/master/perllib/FixMyStreet/Cobrand/FixaMinGata.pm

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# Thank you!

KIVOS

http://kivos.se

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