BibiServ(ices)

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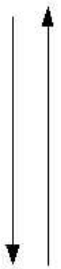
Übersicht

- BiBiServ - Struktur
- BiBiServ - CMS
- Das Projekt “bibi”
- Ein neues Projekt ...
- Statistik
- Ausblick

Struktur - Umgebung

Webserver
4 CPU's @ 166 Mhz
1.5 GB RAM

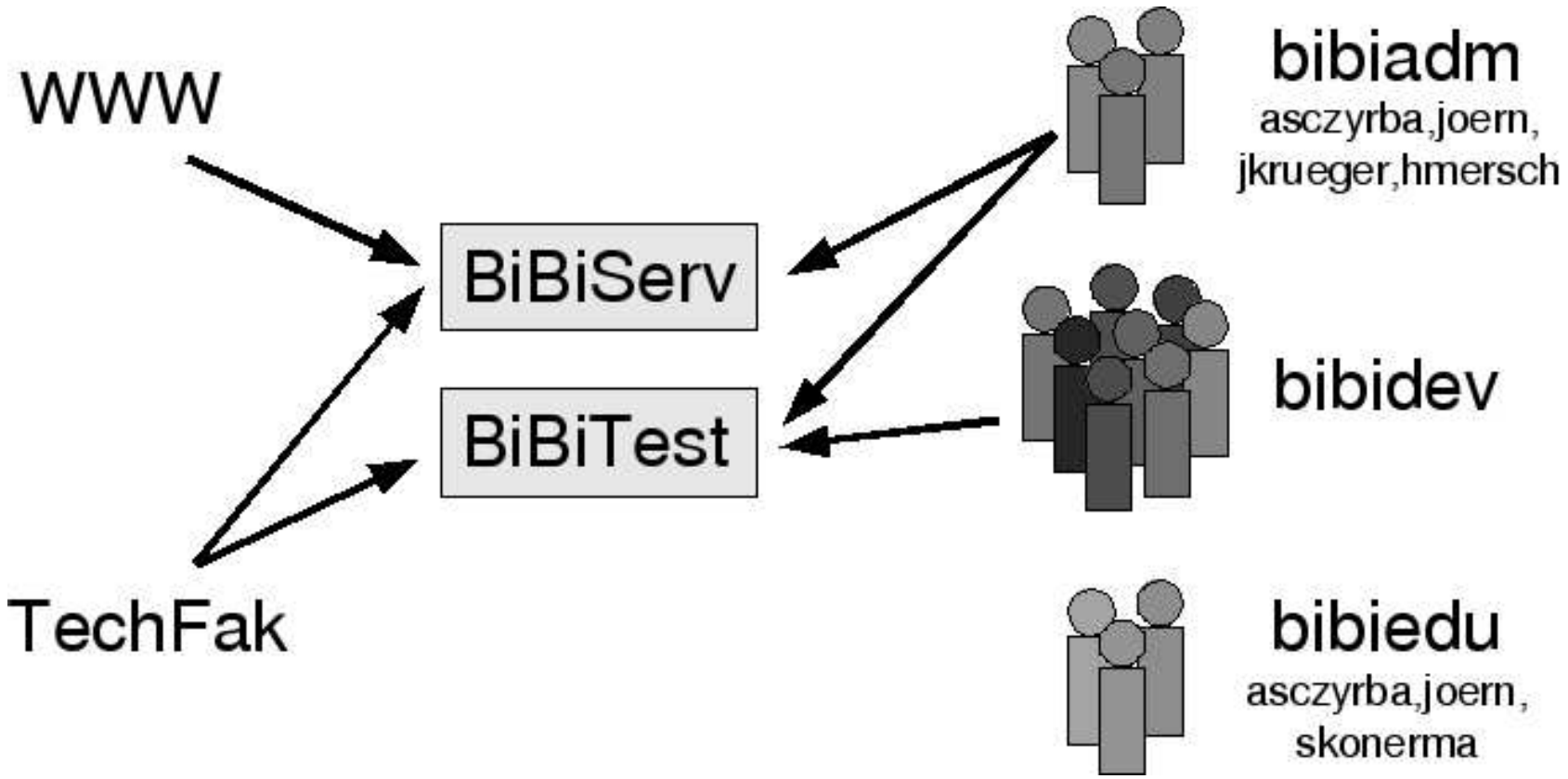


ComputeServer
8 CPU's @ 900 Mhz
64 GB RAM
800 GB local disk space

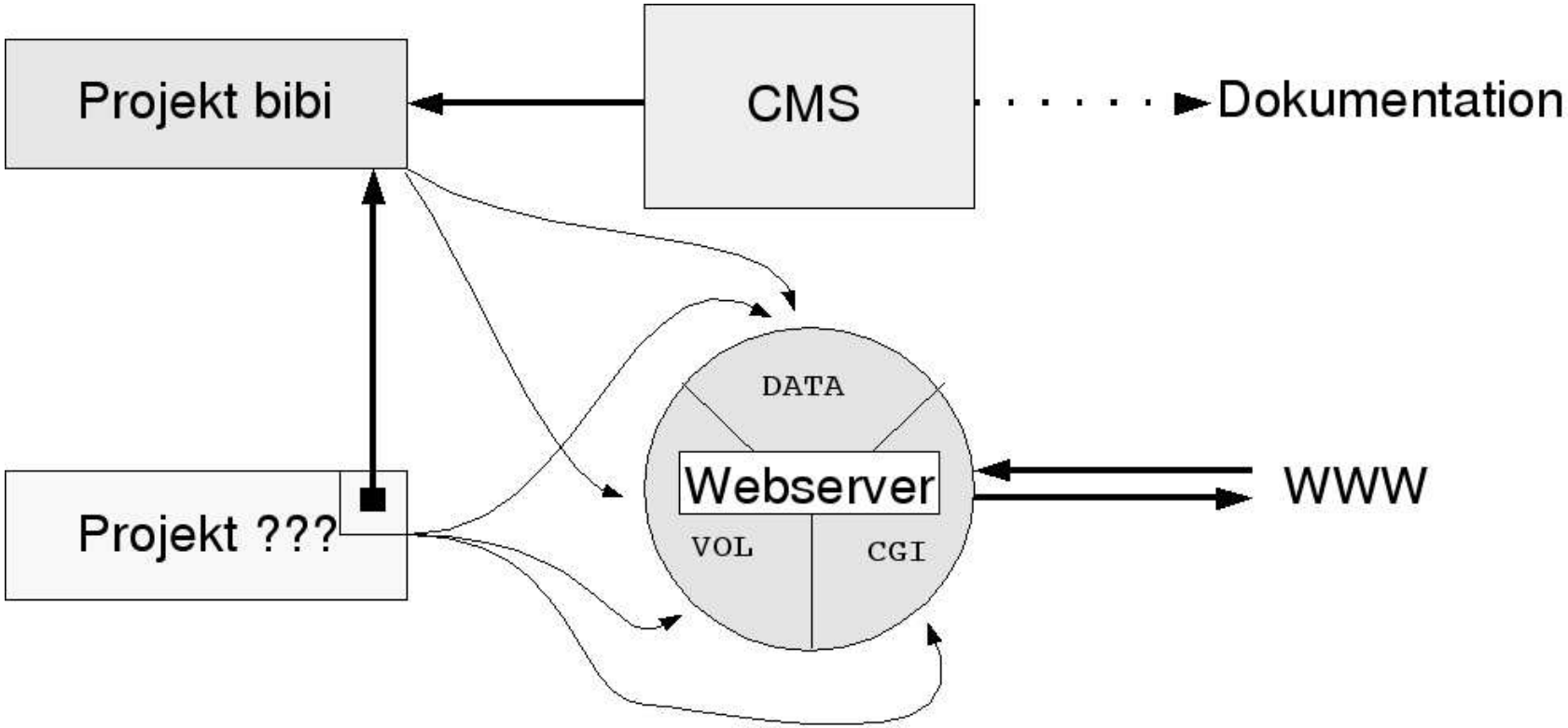
Apache Webserver

- chroot Umgebung
- Perl 5.8 (zukünftig : PHP)
- PostgresSQL
- SRS (7.1) - wöchentliche Updates
  - Genbank, TREMBL, Swissprot
  - PFAM, Unigene

Struktur - Gruppen



Struktur - Zusammenhänge



CMS

- zunächst : eine Ansammlung von Daten in XML
- später : Datengrundlage für das BiBiServ CMS System

- Coocon, Zope, CWeb, ...
- XML, XSLT, ...

Datengrundlage

```
<project>
  <projectname>Dialign<projectname>
  <fullname> ...
  <department value=Alignments/>
  <author> ... <contact> ... <contact-mail>
  <description> Dialign is a novel ...
  <download>
     <version>2.2.1</version>
     <platform os=solaris arch=sparc/> ...
     <ignoreadr value=no>
     <depend url= ...
  </download>
  <biotool-uses> ... <perl-uses> ...
</project>
```

Projekt Bibi- Rahmenbedingungen

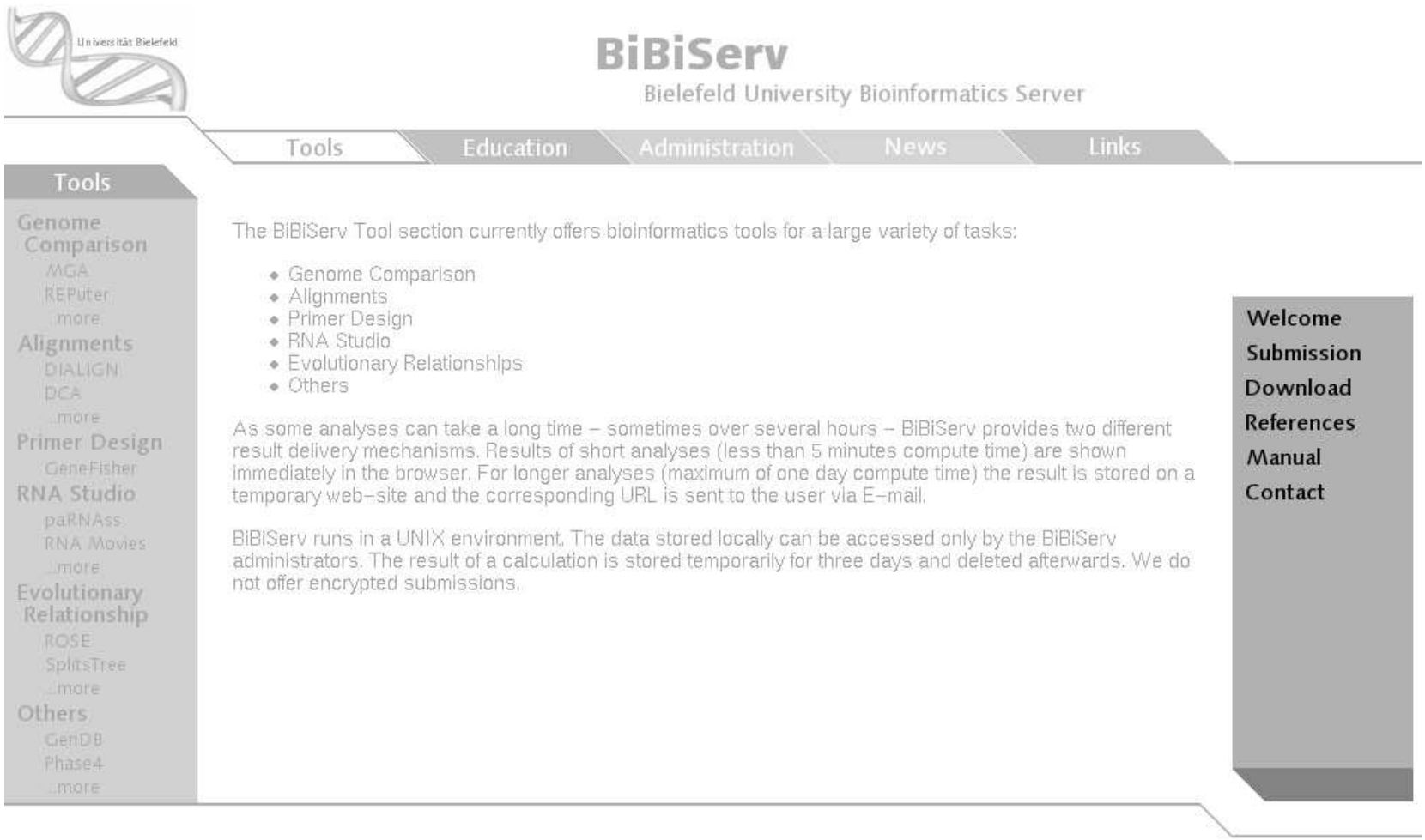
- einfach zu pflegen
- flexibel
- kompatibel
- einheitlich

Projekt Bibi - Überblick

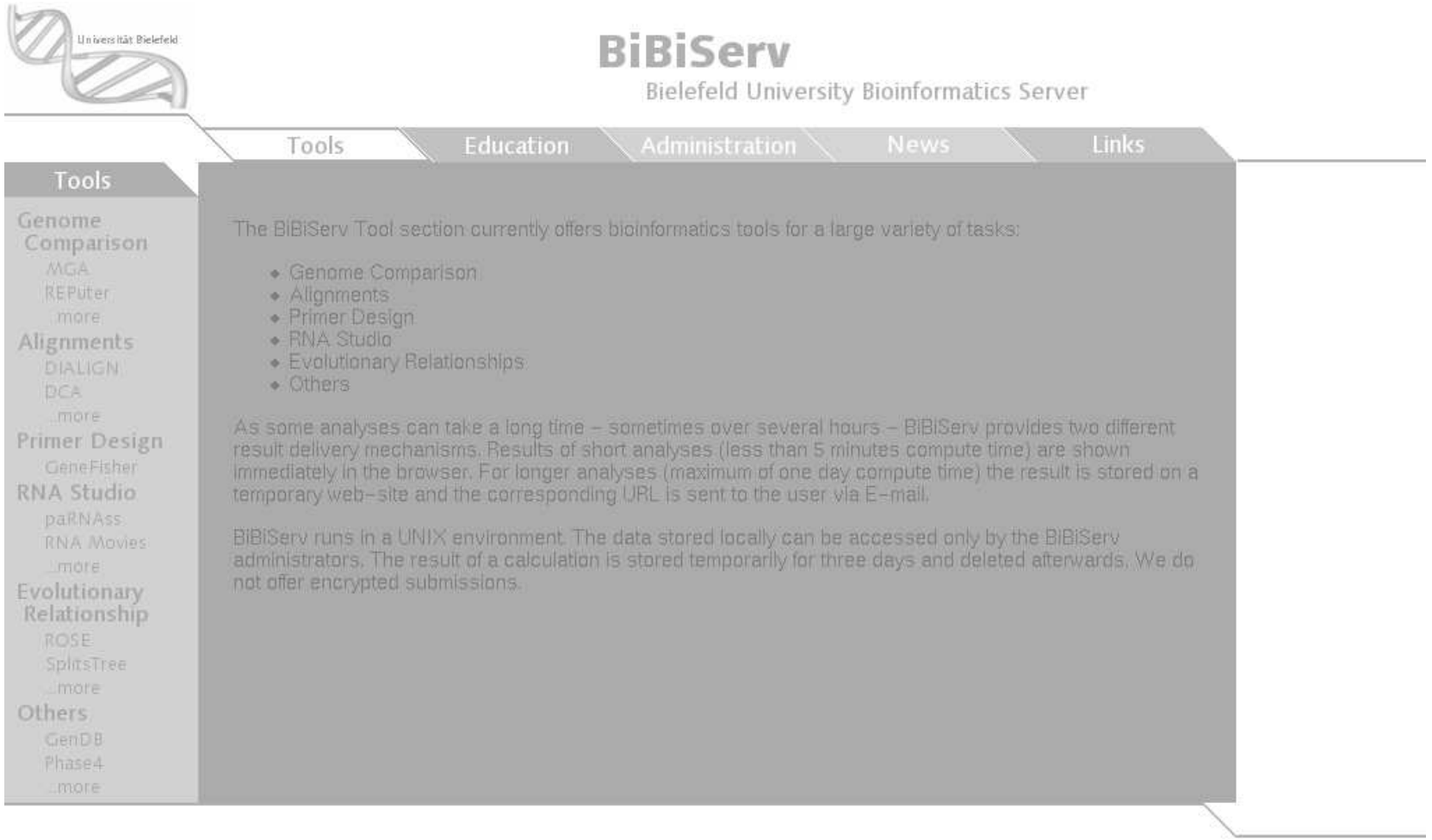
Projekt Bibi - Überblick(2)

Projekt Bibi - Überblick(3)

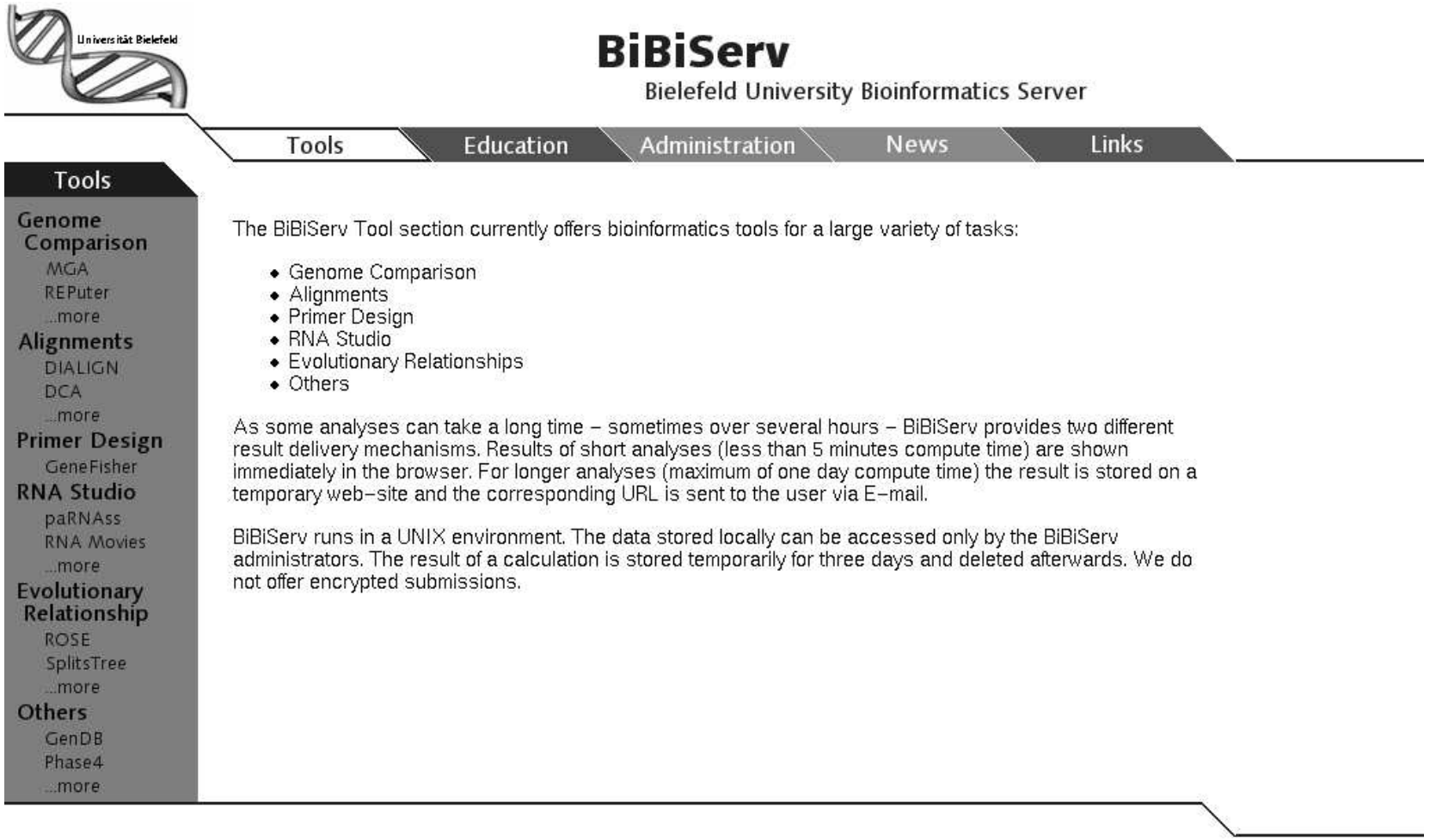
Projekt Bibi- Überblick(4)



Projekt Bibi- Überblick(5)

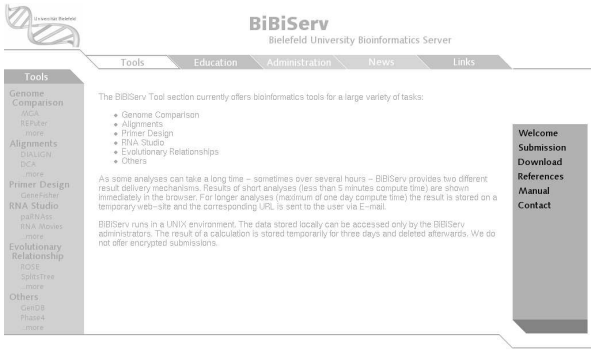


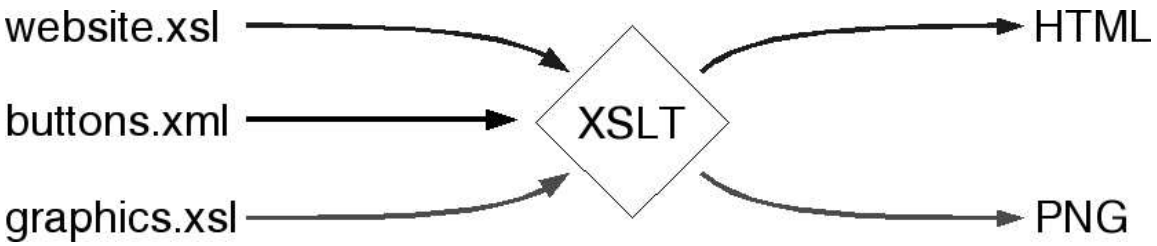
Projekt Bibi - Überblick(6)



Projekt Bibi - Navigationsleiste

- muss nicht definiert sein
- kann für jedes Projekt anders sein
- Kritikpunkt : kann übersehen werden
- …





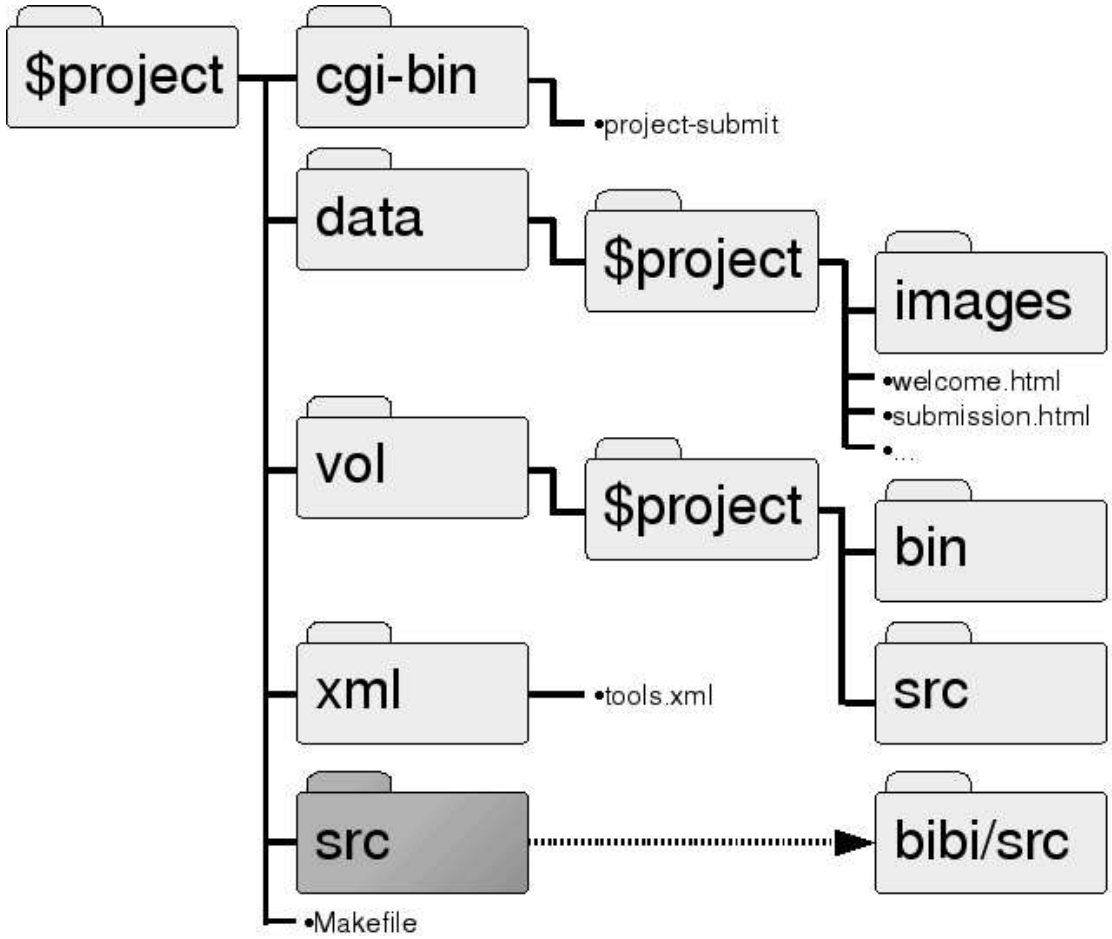
Projekt Bibi - Navigationleiste (2)

```
...
  <menue>
    <content>Submission</content>
    <url target="_self">submission.html
 </menue>
  <menue>
    <content>Download</content>
    <url target="_self"> ...
  </menue>
...
  <content>Dialign</content>
  <bgcolor>FFFFFF</bgcolor>
  <color>669966</color>
  <fontcolor>000000</fontcolor>
  <tablebgcolor>99cc66</tablebgcolor>
  <mouseovercolor>FFFFFF</mouseovercolor>
  <font name="lsm_" size="12" linespacing="0%"/>
  <size x="130" y="25" offset="25" move="10" tab="5"/>
  <distance size="100"/>
...
```

Ein neues Projekt

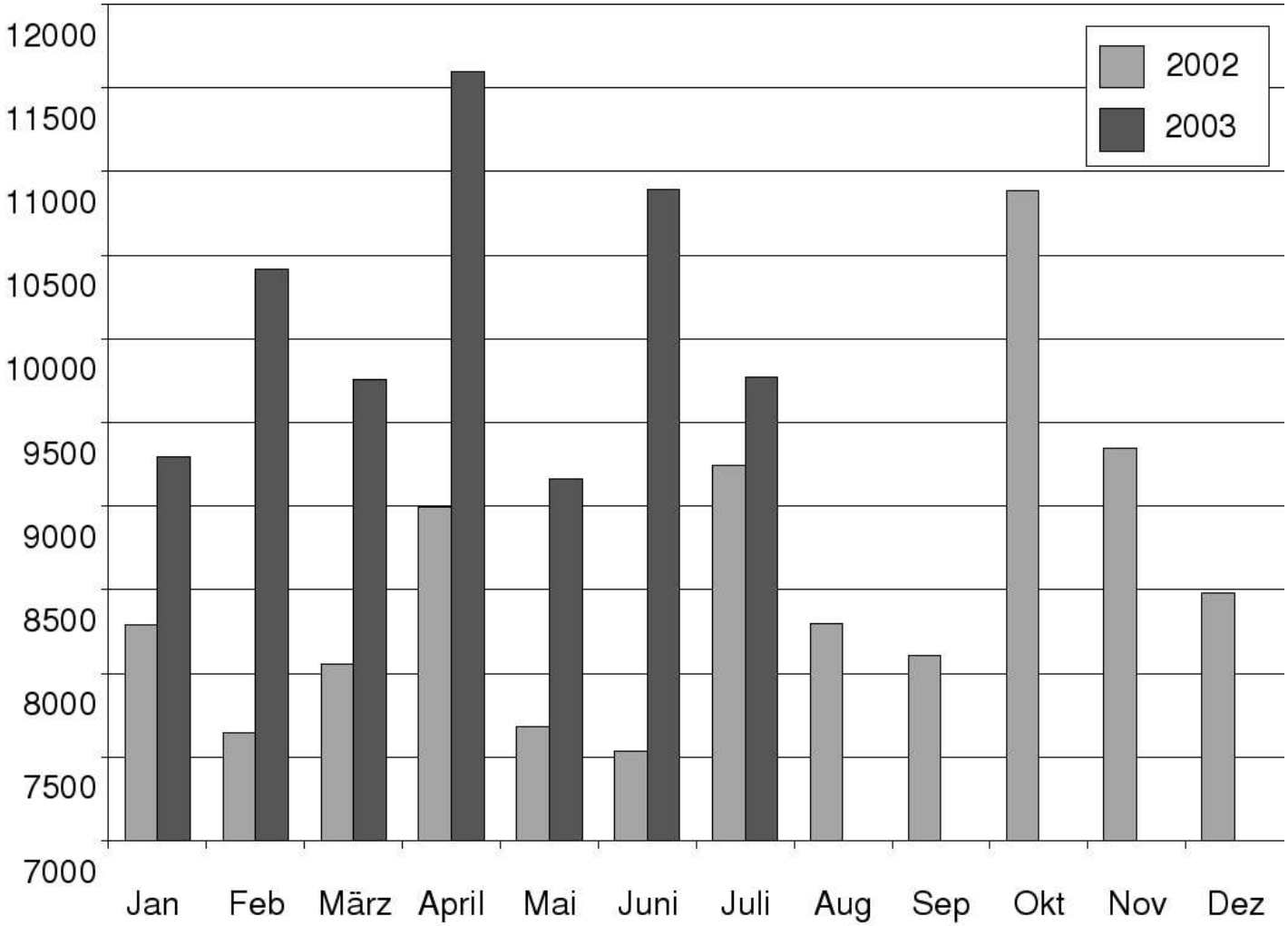
- BiBiServ Umgebung (Projektstruktur, Standardprojekt)
- zu beachten :
  - Policies
  - Laufzeitbeschränkung
  - Uploadbeschränkung
  - Verzeichnisrechte und Gruppen
- wünschenswert : Vortrag

Ein neues Projekt



Projekt bibi

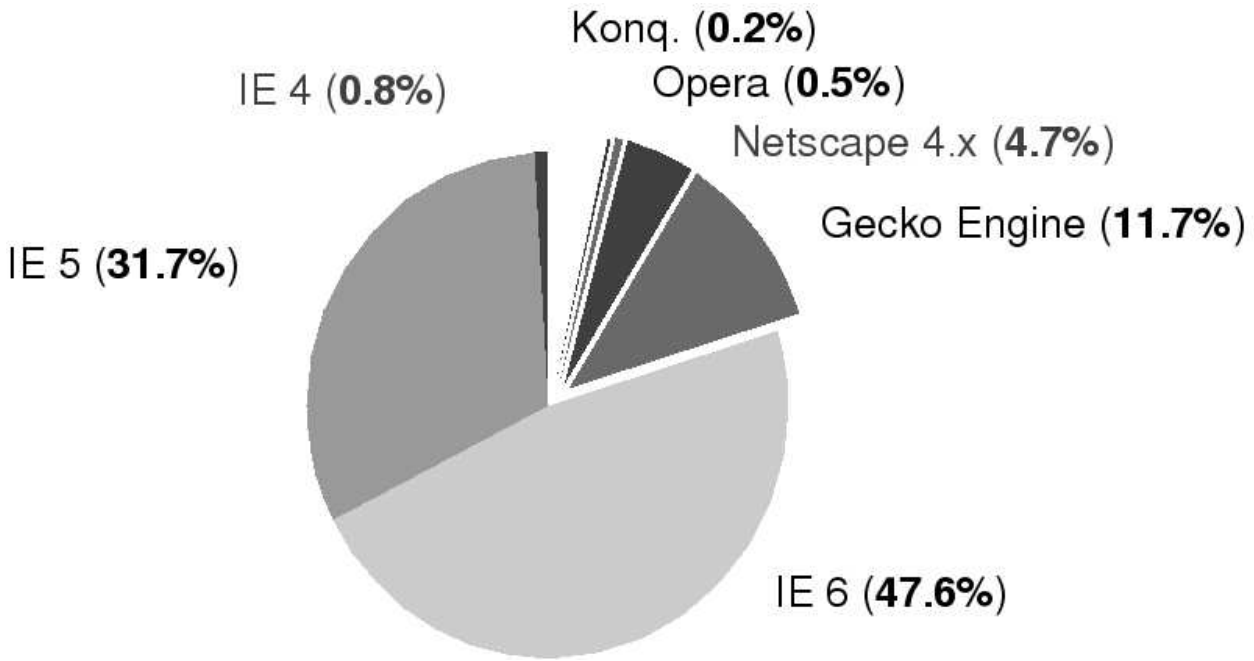
Statistik - 2002/2003



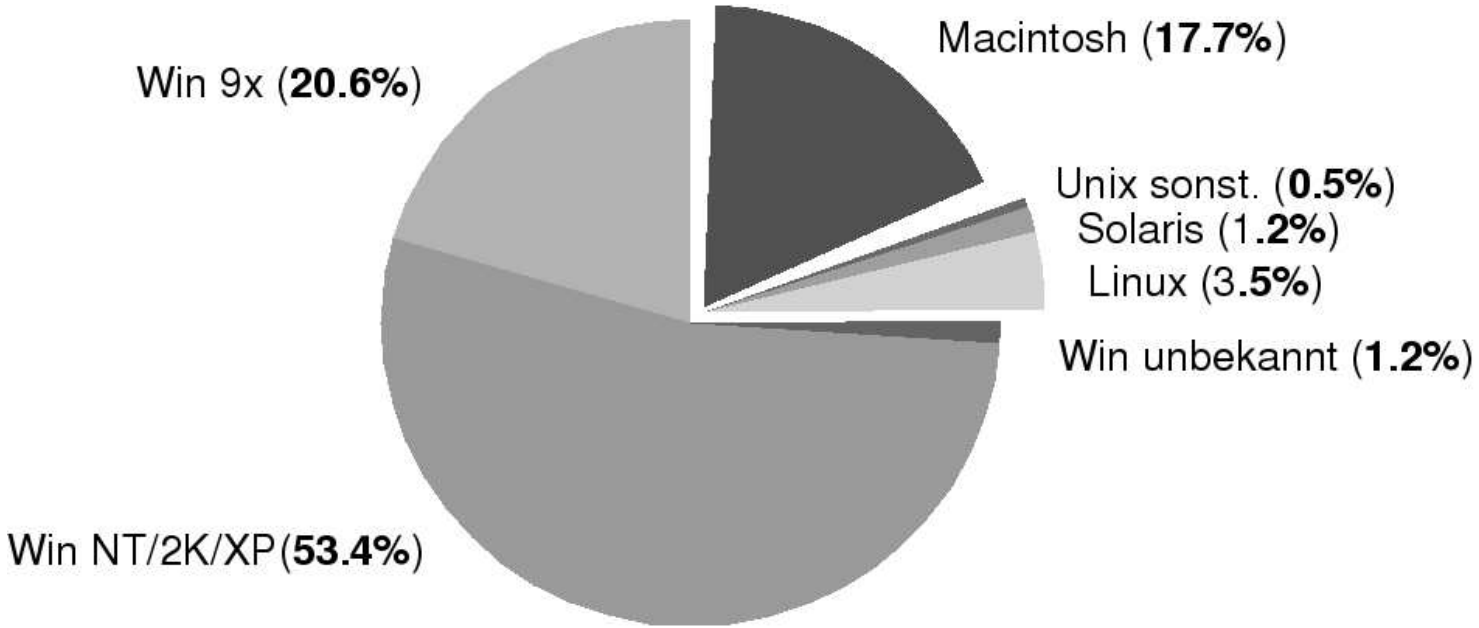
Statistik - Tools 2003

2003	Januar	Februar	März	April	Mai	Juni	Juli	August
Agenda	90	128	122	357	156	57	68	106
Reputer	217	313	335	376	482	347	209	316
Altavist	40	216	244	210	139	260	224	230
DCA	723	832	797	1004	536	792	749	568
Dialign	2226	2416	2275	2452	2168	2846	2271	1952
Jali	44	61	38	71	16	25	29	19
Tsda	14	11	12	23	5	7	8	4
GeneFisher	4044	4242	4022	4255	3948	4323	4152	3545
PaRNAss	57	127	227	86	76	85	179	101
pknotsRG	-	49	150	119	103	24	76	151
RNA Forester	0	29	1	52	60	44	62	55
RNA Movies	-	-	-	-	-	-	43	328
Rose	67	55	65	155	53	223	244	238
SplitsTree	-	68	116	163	366	367	247	134
Mfold	1769	1870	1342	2355	1046	1513	1260	1058
Paper2Seq	-	-	7	1	7	0	21	7
PREdictor	-	-	-	-	14	3	4	11

Statistik - Browser Juli 2003



Statistik - Systeme Juli 2003



Ausblick

- SUN GridEngine
- Webservices
- BiBiServ (Perl) Module
- neues Design für alle Tools
- Suche
- ...