# WebServices at the BiBiServ

# BiBiServ

`http://bibiserv.techfak.uni-bielefeld.de`

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3. soon: will offer tools as html **and** WebService

# BiBiServ - Statistics

`http://bibiserv.techfak.uni-bielefeld.de`

**Tool Access Statistic for 2004**

January    February    March    April    May    June    July    August    September    October

| Tool | Accesses |
|------|----------|
| ALTAVIST | 1420 |
| Agenda | 552 |
| DCA | 1768 |
| DIALIGN | 16077 |
| E2G | 298 |
| GeneFisher | 36625 |
| JALI | 216 |
| MFold | 1596 |
| Paper2Sequence | 55 |
| Predictor | 3423 |
| RNAforester | 537 |
| RNAhybrid | 2390 |
| RNAmovies | 2101 |
| RNAshapes | 76 |
| ROSE | 1542 |
| Reputer | 3555 |
| SplitsTree | 2021 |
| TSDA | 17 |
| paRNAss | 379 |
| pknotsRG | 583 |
| **TOTAL** | **75231** |

graphical view

last modified Sun Oct 3 23:59:59 MEST 2004

# BiBiServ - Administration

`http://bibiserv.techfak.uni-bielefeld.de`

1. tools developed by different groups of university bielefeld

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2. policies: Availability, Tool release, Tool selection

3. administrative participants: Alexander Sczyrba, Jan Krüger, Henning Mersch

# WebServices at BiBiServ

1. diploma thesis containing library and example WebService

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2.  based on RPC-style
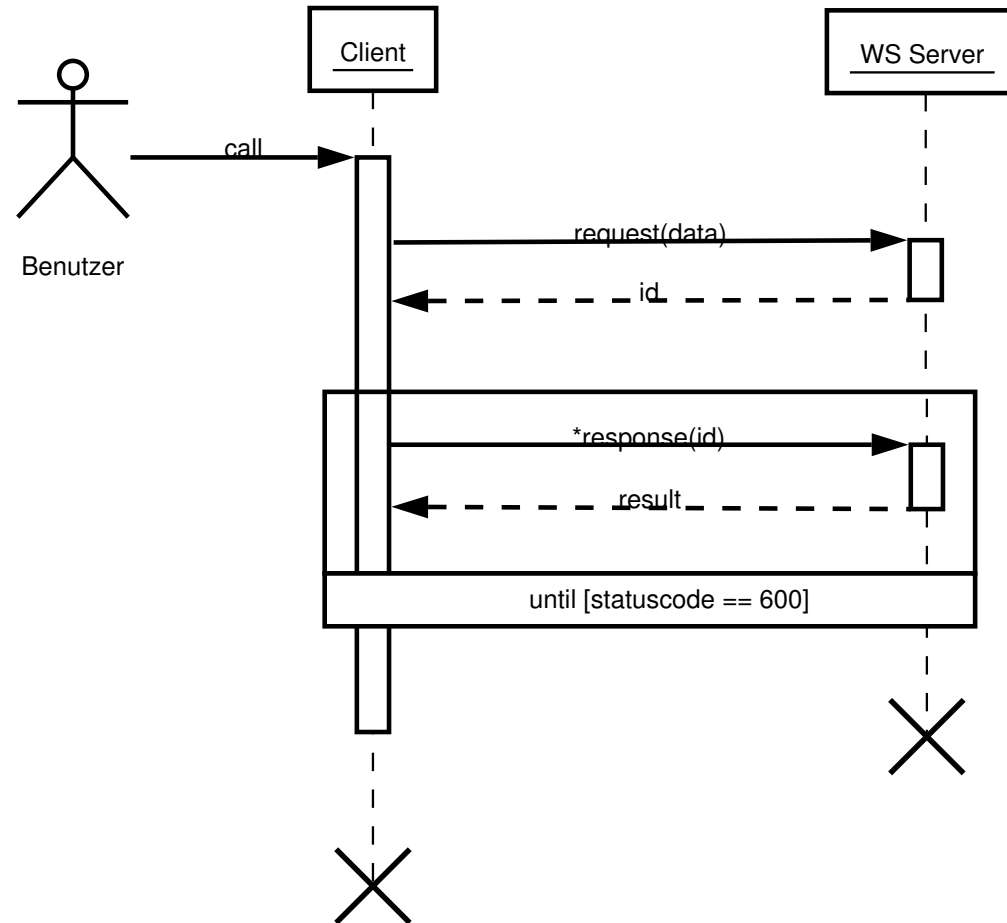
3.  focus here: server side

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5. asynchronous WebServices support via
   *Request/Reply operation with polling*
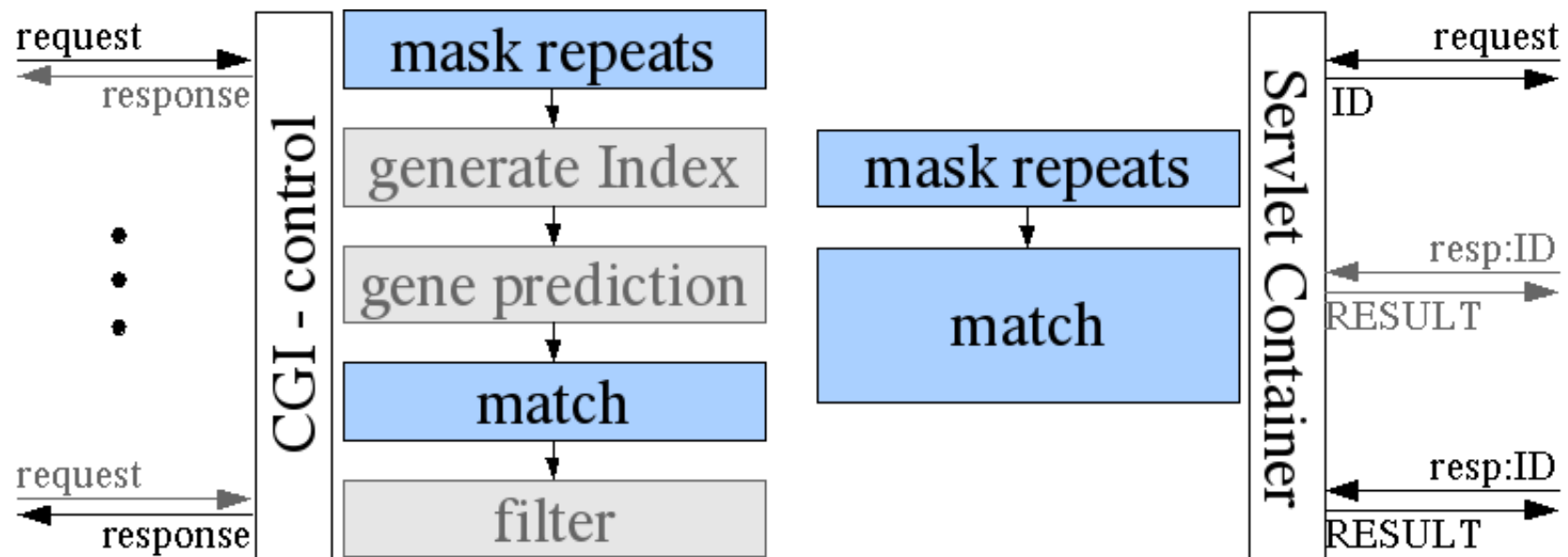
# Request/Reply operation with polling

# BiBiWS - state

1. id management done in a database

2. state: production implementation

3. wsdl files of services are available under
   `http://bibiserv.techfak.uni-bielefeld.de/wsdl`

4. problems with availability : WS Server (until now) only available
   internal

5. problem to discuss (later): *complexData* encoding

6. workshop using BiBiWS tomorrow with focus on server side with
   simple JAVA client

# provided WebServices : E2G

Efficiently Mapping large EST and cDNA sets to Genomic
Sequences



- **INPUT**: single sequence and match parameters

- **OUTPUT**: tab separated table of matches

# provided WebServices : …

- **REPuter** -

  `http://bibiserv.techfak.uni-bielefeld.de/reputer/`

  - **INPUT**: single sequence and repfind parameters

  - **OUTPUT**: tab separated list of found repeats

- **BLAST** - sample Webservices

  - **INPUT**: single sequence and blast parameters

  - **OUTPUT**: blast XML

- …

# Final

# That's it !