

From PED_{igree} to REP_{ort} in Minutes

poprep.tzv.fal.de

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Session 13



Upload Pedigree

Email Results

```
# Animal|Sire| Dam |Bdate|Sex
398242|16590|7756462|1994-10-26|M
57700|47180|333654|1961-01-17|M
501215|147114|733141|1978-02-26|M
413520|772451|7756418|1995-03-12|M
..
..
8271925|501222|8539836|1981-10-04|F
501202|155350|71818|1978-02-23|M
```

PED_{igree}.txt

Animal_Inbreeding_log_Nellore
Inbreeding_log_Nellore.csv
InbreedingNellore.pdf
InbreedingNellore.tex
InbreedingReportTable.1.Nellore.csv
InbreedingReportTable.2.Nellore.csv
InbreedingReportTable.3.Nellore.csv
InbreedingReportTable.4.Nellore.csv
InbreedingReportTable.5.Nellore.csv
InbreedingReportTable.6.Nellore.csv
InbreedingReportTable.7.Nellore.csv
InbreedingReportTable.8.Nellore.csv
Nellore_all.ped

PopulationNellore.pdf
PopulationNellore.tex
PopulationReportHist_Nellore_dam_all.csv
PopulationReportHist_Nellore_dam_sel.csv
PopulationReportHist_Nellore_dam_used.csv
PopulationReportHist_Nellore_sire_all.csv
PopulationReportHist_Nellore_sire_sel.csv
PopulationReportHist_Nellore_sire_used.csv
PopulationReportTable1_Nellore.csv
PopulationReportTable2_Nellore.csv
PopulationReportTable3_Nellore.csv

PopulationReportTable4_Nellore.csv
PopulationReportTable5_Nellore.csv
PopulationReportTable6_Nellore.csv
reg_inbreed.log
run_popreport.lst
run_popreport.stder
run_popreport.stder_head500
run_popreport.stder_tail500
run_popreport.stdout
run_popreport.tex
Year_Inbreeding_log_Nellore

Animal_Inbreeding_log_Nellore
Inbreeding_log_Nellore.csv
InbreedingNellore.pdf
InbreedingNellore.tex
InbreedingReportTable.1.Nellore.csv
InbreedingReportTable.2.Nellore.csv
InbreedingReportTable.3.Nellore.csv
InbreedingReportTable.4.Nellore.csv
InbreedingReportTable.5.Nellore.csv
InbreedingReportTable.6.Nellore.csv
InbreedingReportTable.7.Nellore.csv
InbreedingReportTable.8.Nellore.csv
Nellore_all.ped

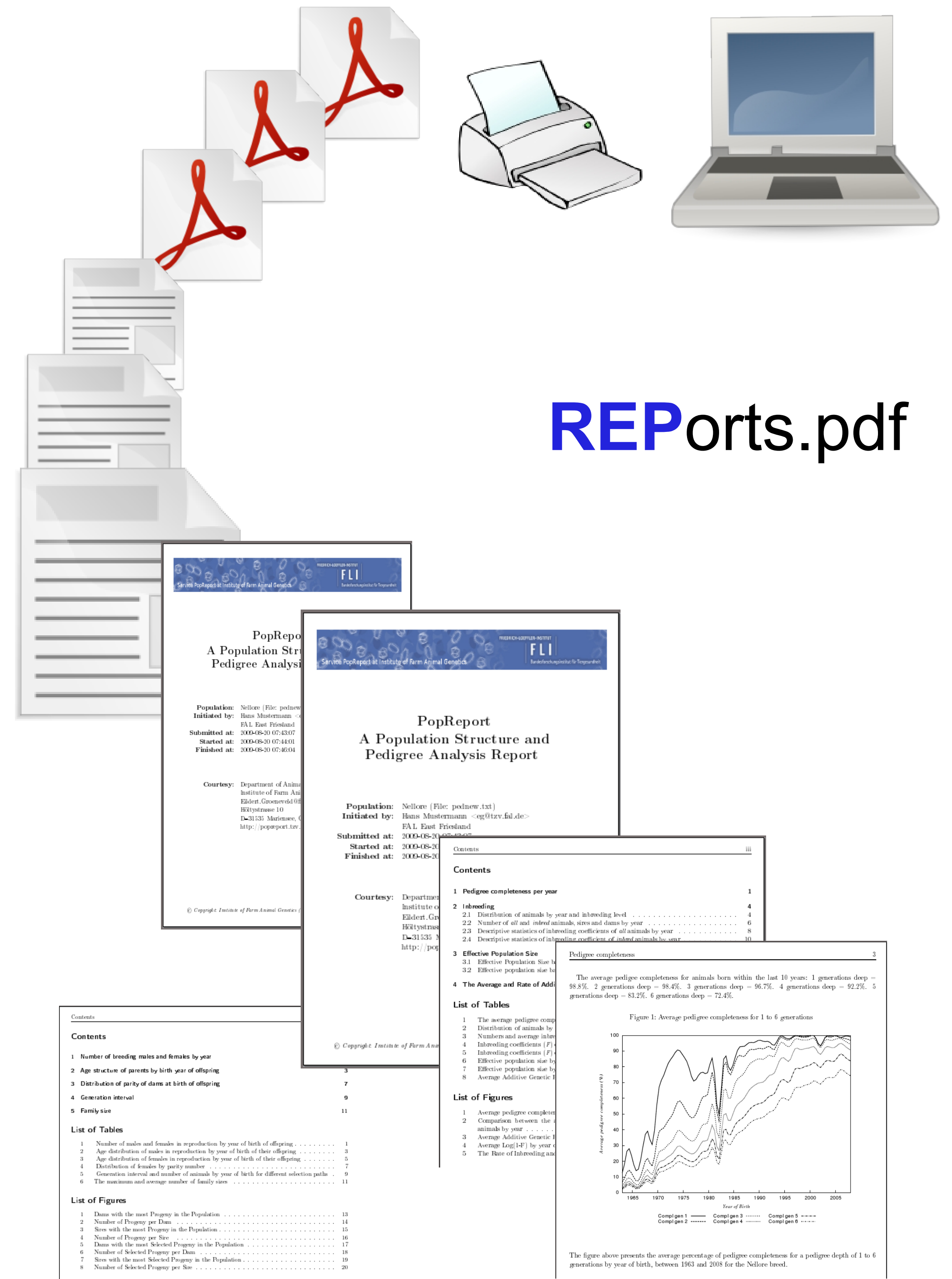
PopulationNellore.pdf
PopulationNellore.tex
PopulationReportHist_Nellore_dam_all.csv
PopulationReportHist_Nellore_dam_sel.csv
PopulationReportHist_Nellore_dam_used.csv
PopulationReportHist_Nellore_sire_all.csv
PopulationReportHist_Nellore_sire_sel.csv
PopulationReportHist_Nellore_sire_used.csv
PopulationReportTable1_Nellore.csv
PopulationReportTable2_Nellore.csv
PopulationReportTable3_Nellore.csv



Post Process

POPREP: A Generic Report for Population Management,
Eildert Groeneveld, Bobbie v.d. Westhuizen, Azwihangwisi
Maiwashe, Frits Voordewind, José Bento S. Ferraz
Genetics and Molecular Research (GMR), Vol 8 No 3 in press

REP_{orts}.pdf



User:

Web browser: poprep.tzv.fal.de
Upload your pedigree file
Get a cup of coffee

WEB server 6CPU 24GB:

Queues requests
Checks input format
Checks for pedigree loops
Checks for birthday sequences
Creates APIIS database
Loads data
Performs computations in parallel

WEB server:

Typesets report
Creates the pdf reports
Creates data files for postprocessing
Mails reports plus data to user

10 minutes later User:

Done with coffee
Looks at her mailbox
Received mail from popreporter
Prints reports

Half a year of work saved
Makes donation

