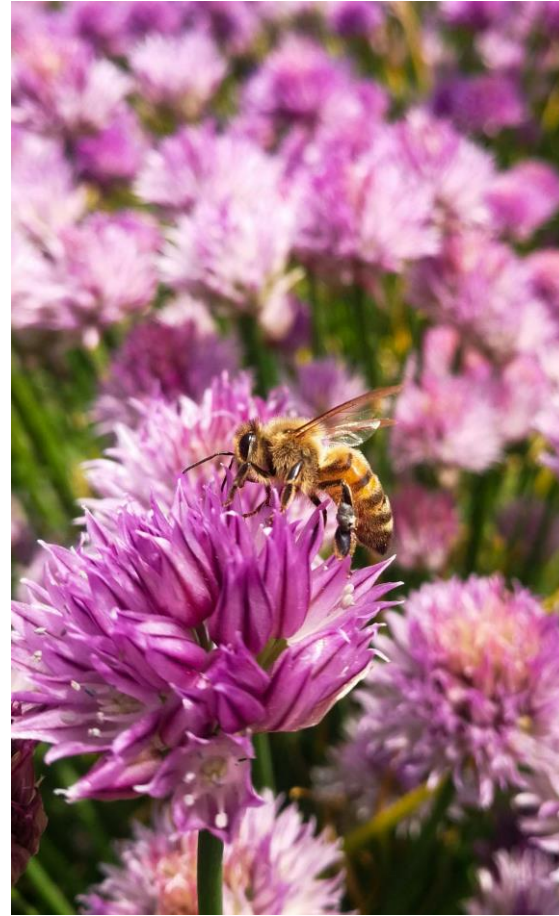
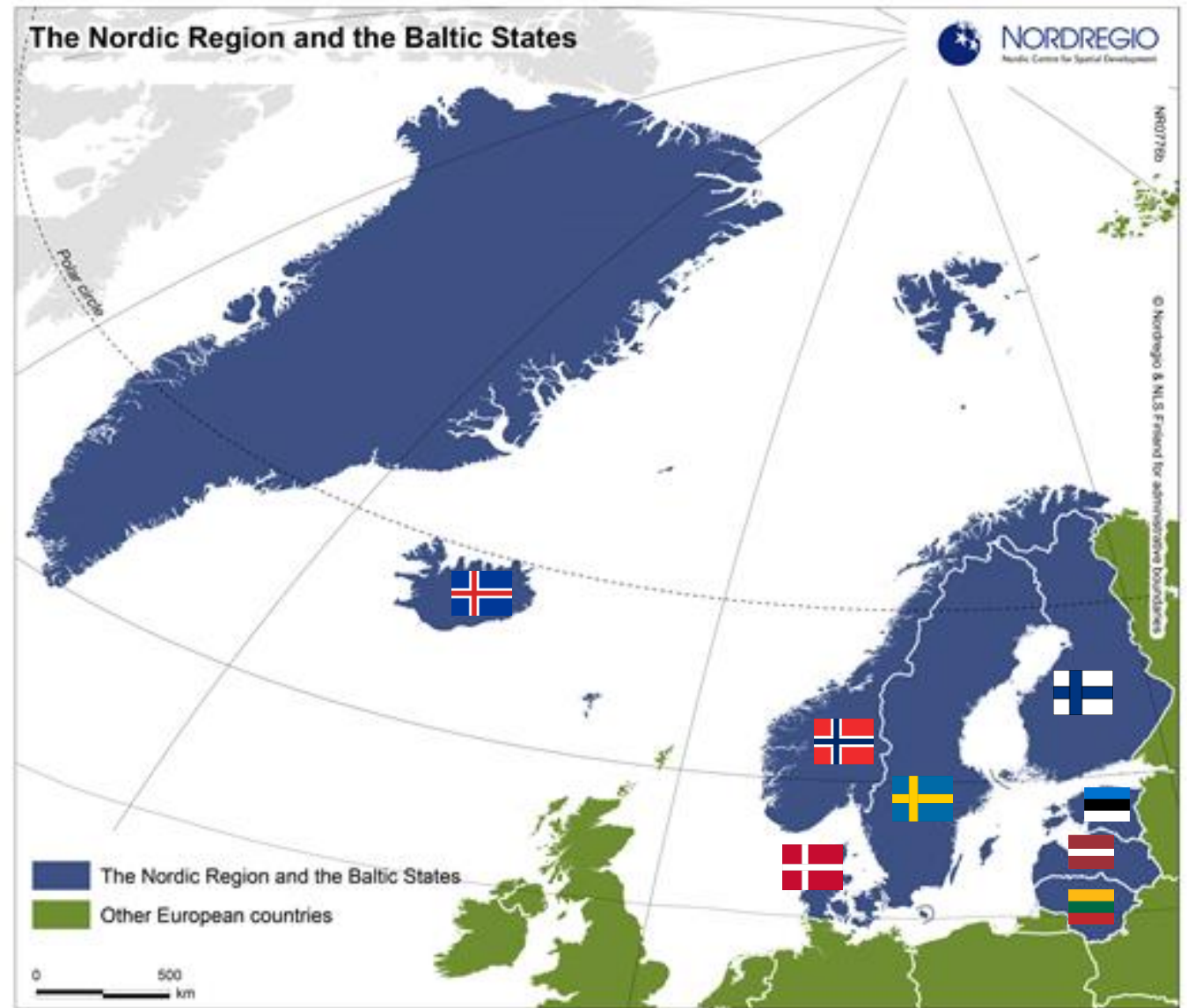


GENBIS – Powered by Grin-Global



Responsibilities of NordGen with GeNBIS

- Our mandate is to host an Information System (GeNBIS) for the Nordic countries for the seed collection, and their national clonal archives.
- Vi have also a mandate to host the National Genebanks of the Baltic countries of both seed and clonal material with the same IS.

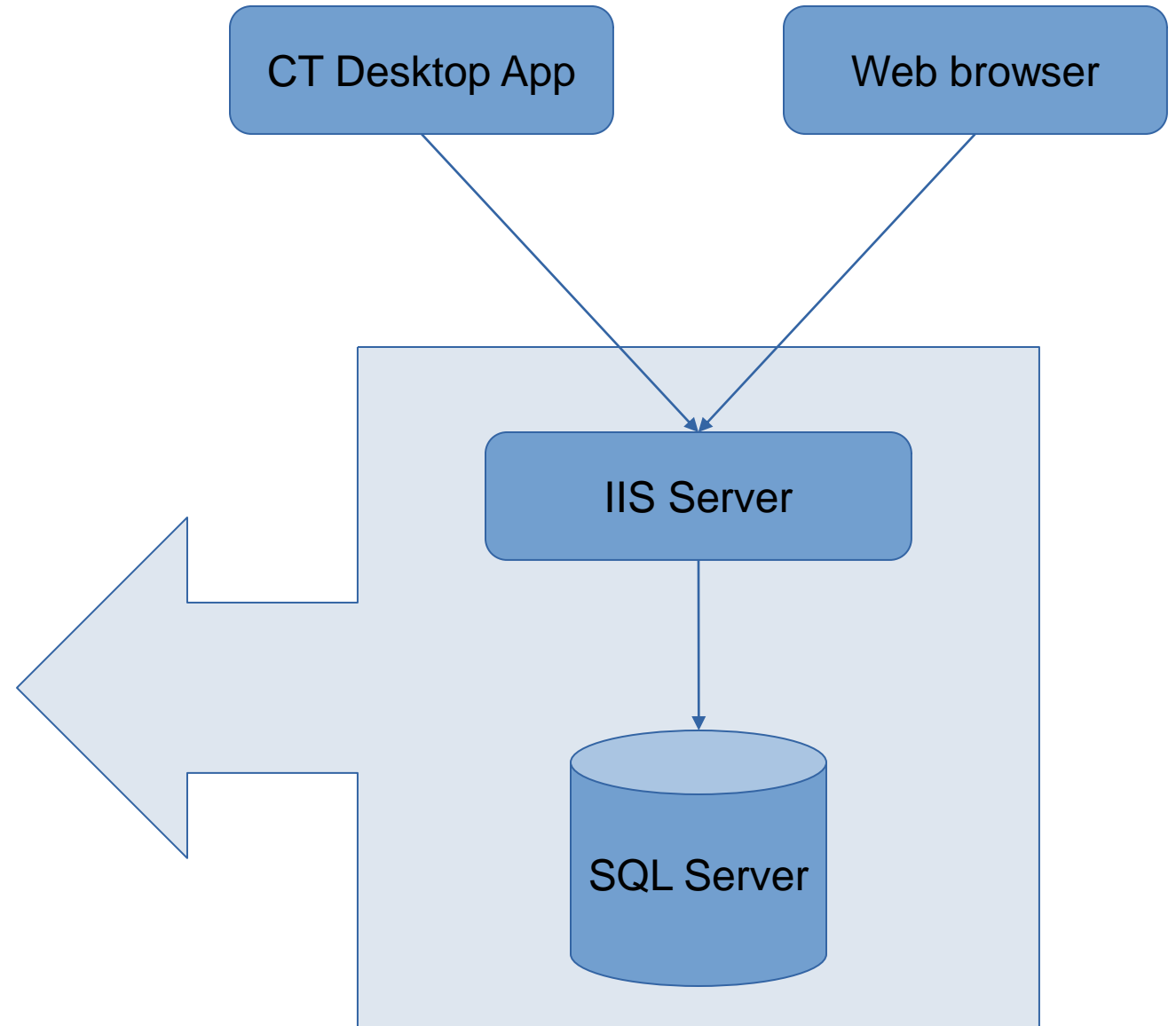


Grin-Global extensions

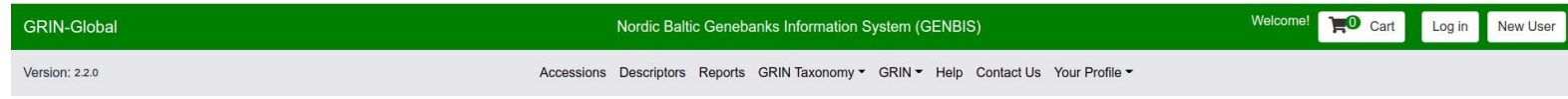
NordGen has an extended Grin-Global (GENBIS). It can be simplified into the following extension packs.

They're the following:

- Generic (NPGS-text replacem.)
- Full Cultivar naming
- Eurisco MCPD mapping and caching
- Eurisco C&E mapping with extra
- GBIF Biocase mapping
- FAO SMTA and GLIS mapping
- Branding (GENBIS)



Generic extension pack



Goal: Genericise

Tasks:

- Replace hardcoded NPGS-texts with either
 - a site-config variable, which we have set to GENBIS
 - (or) site short name, the acronym of the site, when it is more suitable



Select the tab for the type of search. Each tab has everything you need to do to perform that type of search.

Return up to

Simple Search | List Search | Advanced Search | Results

This search will show only accessions that have material that may be requested today.



Full Cultivar Naming extension packet (FCN)

Goal: Make it possible to name accessions according to ICNCP

Tasks:

- Add a serie accession inv name categories (i.e. Cultivar, Group etc) code values
- Add a Pivot db view that lists all the cultigen epithets as columns
- Add dv view to build full cultivar name
- Add web config parameter that turns on the feature (backwards compability)
- Extends Or Adds Web & CT App views
- Update .Net C# MVC code

NGB 12000

Brassica oleracea L. var. *capitata* L.

Brassica oleracea L. var. *capitata* L. (Rubra Group) 'REGINA',
Red Cabbage 'REGINA'



	accession_id	cg_taxon	cg_taxon_auth	cg_grex	cg_hybrid	cg_hybrid_ped	cg_graft_chi	cg_group	cg_series	cg_prod	cg_trade_des	cg_cv	cg_type	cg_vern
1	1026	NULL	NULL	NULL	NULL	NULL	NULL	Rubra	NULL	NULL	NULL	REGINA	NULL	(en:)Red Cabbage,(sv:)Rödskål

Eurisco MCPD mapping and caching (EURISCO_MCPD)

Goal: Maps all the necessary tables to produce it in MCPD v2.1 format. Since this operation is heavy it will be cached every night.

Dependencies: FCN

Tasks:

- Add a db view to make the major mapping
- Add a stored Procedure to create the complete mapping, which will be called by the nightly event
- Add a second stored Procedure to update mcpd sources, which will be called by the nightly event after the first one
- Add a predefined report with

Choose Report:

MCPD

Report Description:

Export Multi Crop Password Data. Filter by Nicode, Instcode and or Accession number prefix.

Enter Parameter Value(s):

Name	Value
nicode	ngb
instcode	
prefix	NGB

Limit: 1000

Generate Report

union_type	ord	NICODE	PUID	INSTCODE	ACCENUMB	COLLNUMB	COLLCODE	COLLNAME	COLLINSTADDRESS	COLLMISSID	GENUS	SPECIES	SPAUTHOR
2	1	NGB		SWE054	NGB 1						Triticum	aestivum	L.
2	2	NGB		SWE054	NGB 2						Triticum	aestivum	L.
2	994	NGB		SWE054	NGB 1054	ME7908260304	SWE006	Svalof Weibull ABPer Hagberg	c/o Lantmännen Seed, SE-26881 SVALOV		Phleum	pratense	L.
2	995	NGB		SWE054	NGB 1055	ME7908260304	SWE006	Svalof Weibull ABPer Hagberg	c/o Lantmännen Seed, SE-26881 SVALOV		Avena	sativa	L.
2	996	NGB		SWE054	NGB 1056	ME7908260304	SWE006	Svalof Weibull ABPer Hagberg	c/o Lantmännen Seed, SE-26881 SVALOV		Hordeum	vulgare	L.
2	997	NGB		SWE054	NGB 1057						Cynosurus	cristatus	L.
2	998	NGB		SWE054	NGB 1058	ME8105230101		Hannu Kallio	c/o NordGen, Box 162, SE-234 34 Lomma		Secale	cereale	L.
2	999	NGB		SWE054	NGB 1059						Secale	cereale	L.
2	1000	NGB		SWE054	NGB 1060	ME8107290101		University of Helsinki, Faculty of Agriculture and Forestry (Matti Erkamo)	PL 27, FI-00014 HELSINKI		Secale	cereale	L.

Eurisco C&E mapping

(EURISCO_C&E)

Goal: To be able to export Crop Trait Observation Data in Eurisco C&E format. Creates project table and its own relation mapping to C&E experiments or other such as collection expeditions.

Tasks:

- Creates code values for project_map table
- Add a project table and a project_map
- Add a db view to generate statistics in crop_trait_observation rows based on crop_trait_observation_data
- Add a db trigger to crop_trait_observation_data. If no rows already exists, then they will be generated.
- Add a set of Eurisco C&E db views for export.

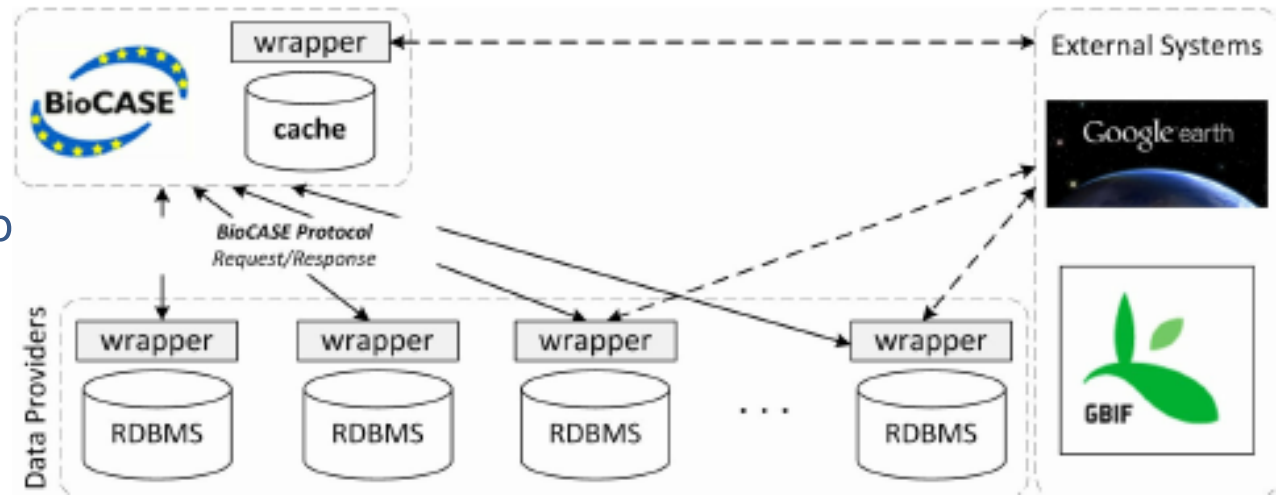
GBIF Biocase mapping (GBIF)

Goal: To map ABCD data as db views, which is a type of Passportdata. This to be use by the BioCASE client application.

Dependencies: EURISCO_MCPD

Tasks:

- Add a db column to mcpd cache
- Add a stored Procedure to create the complete mapping, which will be called by the nightly event after MCPD Sources procedure
- Add dataset table to manage dataset
- Add Utiliy db views
- Add one db view for each data set to be used
- Configure BioCASE with the db views



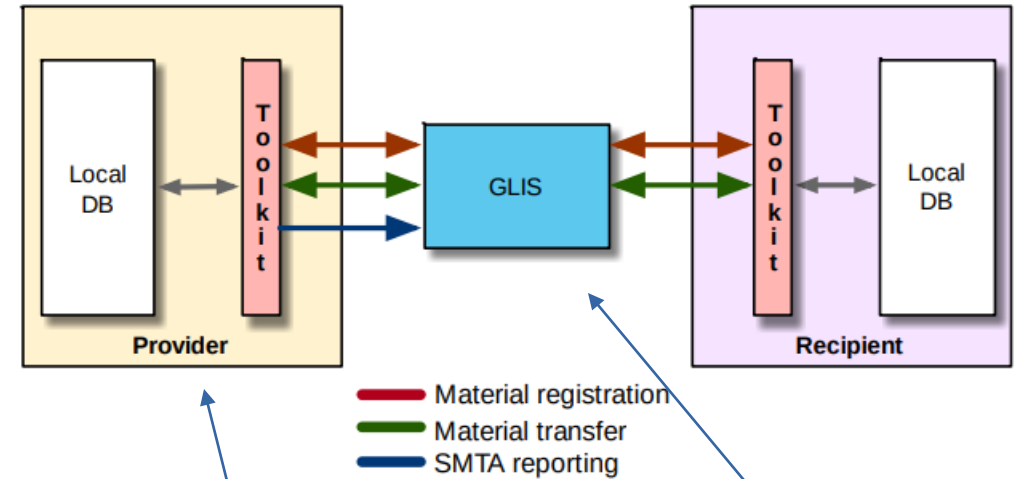
FAO SMTA and GLIS mapping (FAO)

Goal: To map SMTA and GLIS data as db views. This to be use by the FAO-Toolkit client application.

Dependencies: EURISCO_MCPD, GBIF

Tasks:

- Add a db columns to mcpd cache
- Add each updated "accession_source_glis_map" views
- ALTER a stored Procedure to create the complete mapping, which will be called by the nightly event called mcpd sources
- Add Utiliy db views
- Add one db view for each data set to be used
- Edit FAO-Toolkit configure file
- Execute FAO-Toolkit teminal command for batch upload SMTAs, Retrieving DOI or Updating GLIS data.



This extension + FAO-Toolkit solves this part



FAO cont.

FAO-Toolkit Introduction

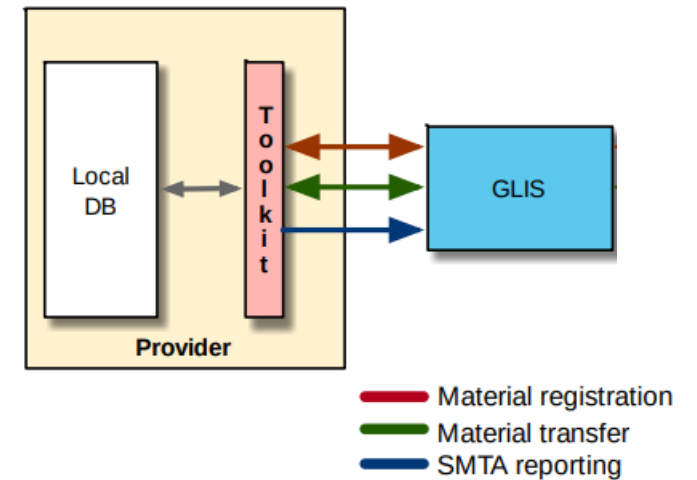
This toolkit handles three things; SMTA, DOI, and WIEWS.

WIEWS

```
>fao-toolkit wiews/fetch --format=<json/xml> <WIEWS-code>
```

➤ OpenSSH SSH client

```
sysadmin@frigg-nodel:/var/www/fao-toolkit$ sudo -u www-data ./yii --format=json wiews/fetch swe054
{
  "name": "Nordic Genetic Resource Center",
  "acronym": "NORDGEN",
  "instcode": "SWE054",
  "parent_name": {
    "href": "http://www.fao.org/wiews/data/organizations/en/?instcode=SWE065#details",
    "value": "Nordic Council of Ministers"
  },
  "address": "V\u00e4rhusv\u00e4gen 12",
  "zip_code": "SE-234 56",
  "city": "Alnarp",
  "country": "Sweden",
  "telephone": "+46 (0)40 536640",
  "fax": "+46 (0)40 536650",
  "email": "nordgen@nordgen.org",
  "website": "http://www.nordgen.org",
  "status": "Regional",
  "roles": "Genebank (long term collections),Network,Research,Extensionist,Laboratory,Genebank (medium term collections)",
  "longitude": "13.08",
  "latitude": "55.66"
}
sysadmin@frigg-nodel:/var/www/fao-toolkit$
```



FAO cont.

FAO-Toolkit Introduction: SMTA

>fao-toolkit help smta

OpenSSH SSH client

```
sysadmin@frigg-nodel:/var/www/fao-toolkit$ sudo -u www-data ./yii help smta
[sudo] password for sysadmin:
Description:
  Post SMTAs

Usage:
  smta/register [options]

Options:
  --run-as=RUN-AS      Views code of institute which accessions to fetch and export as xml
  --dry-run            Make a dry run. This run do not contact FAO's Easy Smta API. It just generates the XML and outputs it
  -t, --test           Conect to the test server and make the SMTA registration.
  --from=FROM          From which SMTA date to start report
  --to=TO              To which SMTA date to end report
  --limit=LIMIT        Limit the report to specified numbers of records
  --order-by[=ORDER-BY] Order of records by column name (multiple values allowed)
  --fao-username=FAO-USERNAME Fao account username
  --fao-password=FAO-PASSWORD Fao account password
  -h, --help           Display help for the given command. When no command is given display help for the list command
  -q, --quiet          Do not output any message
  -V, --version        Display this application version
  --ansi|--no-ansi    Force (or disable --no-ansi) ANSI output
  -n, --no-interaction Do not ask any interactive question
  --config=CONFIG      Set alternative configuration name
  -v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Help:
  Post SMTAs using db config file to connect to database. If no table name is assigned use map config file
sysadmin@frigg-nodel:/var/www/fao-toolkit$
```

FAO cont.

FAO-Toolkit Introduction: DOI

>fao-toolkit help doi/register

```
OpenSSH SSH client
sysadmin@frigg-nodel:/var/www/fao-toolkit$ sudo -u www-data ./yii help doi/register
Description:
  Post GLISs to register DOI

Usage:
  doi/register [options]

Options:
  --run-as=RUN-AS           Views code of institute which accessions to fetch and export as xml
  --dry-run                 Make a dry run. This run do not contact FAO's DOI API. It just generates the XML and outputs it
  -t, --test                Conect to the test server and make the DOI registration.
  -d, --unsigned-doi        Return only rows without DOI.
  --from[=FROM]            From which DOI date to start report
  --to[=TO]                 To which DOI date to end report
  --filter[=FILTER]        Filter pattern of which sampleid to include
  --limit[=LIMIT]          Limit the report to specified numbers of records
  --offset[=OFFSET]        Limit the report to specified numbers of records
  --order-by[=ORDER-BY]    Order of records by column name (multiple values allowed)
  --fao-username=FAO-USERNAME Fao account username
  --fao-password=FAO-PASSWORD Fao account password
  --sample=SAMPLE          Doi of Glis to receive
  --output-error-file=OUTPUT-ERROR-FILE To which file to write error log
  --output-success-file=OUTPUT-SUCCESS-FILE To which file to write success list of sampleid
  -h, --help               Display help for the given command. When no command is given display help for the list command
  -q, --quiet              Do not output any message
  -V, --version            Display this application version
  --ansi|--no-ansi        Force (or disable --no-ansi) ANSI output
  -n, --no-interaction     Do not ask any interactive question
  --config=CONFIG         Set alternative configuration name
  -v|vv|vvv, --verbose    Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Help:
  Post GLISs to register/obtain Doi for accessions.
sysadmin@frigg-nodel:/var/www/fao-toolkit$
```

FAO cont.

FAO-Toolkit Introduction: DOI

```
>fao-toolkit doi/register -t --dry-run  
--run-as=SWE054 --filter='NGB %'  
--order-by='sampleid' --limit=1  
Result to the right ----->
```

Normal run would look like this:

```
>fao-toolkit doi/register  
--run-as=SWE054 --filter='NGB %'  
--order-by='sampleid' --unsigned-doi
```

Or like this with logging:

```
>fao-toolkit doi/register  
--run-as=SWE054 --filter='NGB %'  
--order-by='sampleid' --unsigned-doi  
--output-error-file=~/.erroroutput.txt > ~/output.txt
```

```
OpenSSH SSH client  
sysadmin@Frigg-node1:/var/www/fao-toolkit$ sudo -u www-data ./yii doi/register -t --dry-run --run-as=S  
<?xml version="1.0" encoding="UTF-8"?>  
<register username="testuser" password="password" last-update="2019-07-19 15:54:00.000000">  
  <location>  
    <pid>00AA97</pid>  
    <wiews>SWE054</wiews>  
  </location>  
  <sampleid>NGB 1</sampleid>  
  <sampledoi></sampledoi>  
  <date>1980-11-17</date>  
  <method>acqu</method>  
  <genus>Triticum</genus>  
  <cropnames></cropnames>  
  <targets>  
    <target>  
      <value>https://nordic-baltic-genebanks.org/gringlobal/accessiondetail.aspx?accid=NGB%201</value>  
      <kws>  
        <kw>1</kw>  
      </kws>  
    </target>  
  </targets>  
  <biostatus>500</biostatus>  
  <species>aestivum</species>  
  <spauth><![CDATA[.]]></spauth>  
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      <pid></pid>  
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      <address><![CDATA[Box 520, SE-26124 Landskrona]]></address>  
      <country>SWE</country>  
    </provider>  
    <sampleid><![CDATA[IDUNA]]></sampleid>  
    <provenance><![CDATA[SWE]]></provenance>  
  </acquisition>  
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        <pid></pid>  
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        <address><![CDATA[]]></address>  
        <country></country>  
      </collector>  
    </collectors>  
    <sampleid>NGB 1</sampleid>  
    <missid></missid>  
    <site><![CDATA[]]></site>  
    <lat></lat>  
    <lon></lon>  
    <uncert></uncert>  
    <datum></datum>  
    <georef></georef>  
    <elevation></elevation>  
    <date>1980-11-17</date>  
    <source></source>  
  </collection>
```

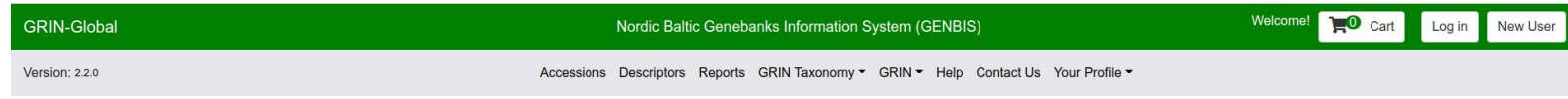
FAO cont.

FAO-Toolkit Introduction: DOI

```
>fao-toolkit doi/register -t --run-as=SWEo54 --filter='NGB %' --order-by='sampleid ASC  
NAT' --unsigned-doi -vvv 2>> runtime/tests/_output/err-2022-10-16.log 1>>  
runtime/tests/_output/std-2022-10-16.log
```

```
root@frigg-node1: /var/www/fao-toolkit/runtime/logs  
^[[Asysadmin@frigg-node1:/var/www/fao-toolkit/runtime$ head -n 20 tests/_output/std-2022-10-16.log  
2022-10-16 15:43:16 Succeed to register DOI NGB 1 (Triticum) NGB 1 DOI:10.0155/17BE9  
  
2022-10-16 15:43:17 doi/register batch statistics 0/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:19 Succeed to register DOI NGB 3 (Triticum) NGB 3 DOI:10.0155/17BFA  
  
2022-10-16 15:43:20 doi/register batch statistics 1/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:21 Succeed to register DOI NGB 5 (Triticum) NGB 5 DOI:10.0155/17BGB  
  
2022-10-16 15:43:22 doi/register batch statistics 2/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:24 Succeed to register DOI NGB 7 (Triticum) NGB 7 DOI:10.0155/17BHC  
  
2022-10-16 15:43:24 doi/register batch statistics 3/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:26 Succeed to register DOI NGB 9 (Triticum) NGB 9 DOI:10.0155/17BJD  
  
2022-10-16 15:43:26 doi/register batch statistics 4/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:28 Succeed to register DOI NGB 11 (Triticum) NGB 11 DOI:10.0155/17BKE  
  
2022-10-16 15:43:28 doi/register batch statistics 5/32816 Expected: 1 Processed: 1 Failed: 0 Succeed: 1  
2022-10-16 15:43:30 Succeed to register DOI NGB 13 (Triticum) NGB 13 DOI:10.0155/17BMF  
  
sysadmin@frigg-node1:/var/www/fao-toolkit/runtime$
```

Branding extension pack



Goal: Brand

Tasks:

- Branding
 - Changing layout of header
 - to present Web-config name of the instance, i.e. GENBIS.
 - to make it thinner, to be not that space demanding.
 - Adding a footer with logos of all the involved sites
 - Moving down the Grin-Global Logo as a Powered-By Logo.



Select the tab for the type of search. Each tab has everything you need to do to perform that type of search.

Return up to

Simple Search | List Search | Advanced Search | Results

This search will show only accessions that have material that may be requested today.



A photograph of a lush green wheat field. The wheat stalks are in the foreground and middle ground, showing their characteristic spikes. The background is a bright, slightly hazy sky. The overall scene is vibrant and natural.

Thank you for listening!

Questions?

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