

- document XML/SXV, SXV/wallet pages after the chk-xml.sh scripts have been troggelised.
- document DATA-FLOW  $\left. \begin{array}{l} \text{files} \\ \text{files} \end{array} \right\} \rightarrow$  parsers  $\rightarrow$  DB  $\rightarrow$  page reports
- document HOW TO USE SURVEY & TUNNEL LOCALLY (Briefly) USING FILE UPLOAD FOR SCANS & DRAWINGS - THE PROCESS SEQ.
- add in clever Use of <sup>CAVE</sup> Code Editor / Scan Upload / ENT. Editor for DATA MAINTENANCE.

## TROGGLE DOCUMENTATION

- ACCESSIBILITY DESIGN GOALS: NO POPUPS, NO SINGLE-PAGE APPS.
- DESCRIBE URL ROUTING ISSUES: DON'T DUPLICATE  
  - ↳ WHEN TO USE CONCRETE URLS eg ../css/main.css or rooted (handbook)...
- PAGE FOR EACH MAJOR OBJ. CLASS: CAVE, PERSON etc. + LINK TO ADMIN PAGE
- DESCRIBE DJANGO ADMIN: docs / CLASS USEFULNESS - Link from TROGGARCH  
  - ↳ ALSO MENTION IN UML PAGE & URLS page
- EXPLAIN core/admin.py FRAGMENTS & DJANGO SERIALIZATION
- NEED "THINGS I WISH I'D KNOWN" page for Troggel/Dj programmers
- EXPLAIN how `{%url() %}` WORKS. EXPLAIN TEMPLATES AS-USED.
- EXPLAIN scanfolder: blocks
- DESCRIBE CARDINALITIES ON ALL OBJECT RELATIONSHIPS
- IMPACT inspectdb.py  $\rightarrow$  colonize it  $\Rightarrow$  a HANDBOOK LIVE PAGE (no clean up)
- EXPLAIN PROCESS CONTROL FLOW: WSGI  $\rightarrow$  URL  $\rightarrow$  VIEWS  $\rightarrow$  <sup>TEMPLATES</sup> RESPONSE
- READ ALL COMMENTS: JSON DECF. TO DESCRIBE WALLETS EDITOR FORM INSTEAD

# EXPO (2) FOLK & PEOPLE

31 JUL 2020

JSON FOR ARCHIVES EXPOS

- Design new FOLK IMPORT → ~~direct~~ folk.html by ~~TROUBLE~~ FOLK.CSV
- Make make-folklist.py USE TROUBLE NAME PARCSFCS!
- ~~DOCUMENT HANDBOOK~~ → note on name recognises on FOLK UPDATE page
- create simple script to ADD EXTRA YEAR to current system & to VALIDATE number of fields on each row!  
↳ addnext(), removeLast()
- DOCUMENT TODO & HANDBOOK List of all ~~name~~ <sup>?</sup> name mismatches. (HERE on Runwith Breaks)

→ TROUBLE → install TRY/CATCH when FOLK LINK BREAKS TO give decent error message page!

- 3 places for IDs: folk.csv, in SVX parser, in LOGBOOKS parser.
- in MAKE-FOLKLIST.py make each "1" be href to PERSONEXPOSITION page
- ENTIRE 'NEXT YEAR' VALIDATION script: check all bits have been done!
- make list of BAD folk names eg. RHUAKIDH → TODO list with code refs to the 3 different parsers
- TRY/CATCH around bad folk names links - or pre-check link is live.

- ~~COMPARE & CROSS LINK the FOLK person page with TROUBLE TRIP person page~~
- ~~put PHOTO on the trouble person page too. MUGSHOTS.~~
- ~~fix MUGSHOTS on folk pages, parse the HTML scraps & add fix URL/fit~~

CROSS ref FOLK BIOG → TROUBLE PERSON BIOG=

↳ REMOVE as separately viewable file?!

- Move all folk script into Trouble import.  
↳ RE-IMPORT button on the page
- remove 'test' for folk/index.html, instead do test for folk.csv?

# EXPO ③ LONG-RUNNING

21 MAR 2022

- lower case for all function names.
- DOC STRINGS for all CLASSES
- DOC STRINGS for all STANDALONE FUNCTIONS
- TROGGLER EXCEPTIONS ARCHITECTURE FOR PARSING
- BOLT (≈ PUPPET) INSTALL FOR WHOLE DEVELOPMENT SYSTEM (DO .sh SCRIPTS FIRST) - COPY CUVC setup.
- SETTINGS.PY - RESTRUCTURE like CUVC.
- TO-DO <sup>DATA</sup> PAGES: REPLACE MY NASTY JS. WITH <DETAILS> & <SUMMARY>
- CHECK MAKEFILE - HAVE ALL FUNCTIONS BEEN MOVED TO CONTROL PANEL
- COVERAGE: INSTALL & USE IN TESTS PERMANENTLY.
- GRAPHVIZ → generate NEW CLASS DIAGRAM for TROGGLER.  
↳ ON PARSE CLASSES ⇒ UML DIAGRAM VISUOER.
- TROGGLER CONTROL PANEL (currently not working) - LIVE MSG. BOARD FOR IMPORTS?  
↳ ENABLE ALL RE-IMPORT AS in resetDatabase.py + LINK TO DATA ISSUES  
↳ Move & 'recent' from /troggler/page to control panel page
- FIX ?next=uu so THAT IT WORKS!

## TROG OBJECT CACHE - DJANGO DB REPLACEMENT PROJECT.

- NEED prog MULTI-USER UPDATE DB TO SERIALISE EVERYTHING
- HAVE TROG CACHE: NOT MULTI USER!
- MARIA DB IS GOOD FOR TRANSACTIONS, BUT VERY SLOW. FIND ALTERNATIVE?!
- WRITE OUR OWN MULTI-USER CACHE DB? USING ASYNCIO?
- ROD LOGBOOK CACHE TO TROG?
- CACHE TROG TO DISC so IT SURVIVES RE-START? NO NEED REALLY..
- SURVEY FILES IMPORT IS THE PROBLEM: IN PRINCIPLE WHOLE TREE NEEDS REIMPORTING UNLESS WE HAVE IN-MEMORY COPY OF EACH SIX FILE & CAN INCLUDE LINKS.
- WE USE FIND e.g. objects. (filter (katastru='359')) DJANGO a LOT. THIS ALL NEEDS REPLICATING WITH ANOTHER DB.
- ↳ DJANGO TEMPLATES DO DB QUERIES DIRECTLY, NOT IN OUR CODE. SO WE CANNOT REPLACE THAT UNLESS WE RE-WRITE Lots of templates to be single to use passed-in DICTS. NOT A BAD IDEA ANYWAY.

- RE-ENABLE STATIC FILES - NOT FOR VS, BUT FOR FUTURE PLUGINS?  
so django views static import serve ← MINIMIZE CODE TO MENTION THIS.

EXPO (4)

## JAVASCRIPT + CSS

- 9 MAR 2022

- UPDATE Tiny MCE (INLINE setting) for EDIT THIS PAGE
- INSTALL CodeMirror - does it colorize .SVX files?
- Install CaveView again on cave description pages.  
in /SSLIB/ Needs URL dispatch for /lookup/
- Find the PATHS used for the MEDIA subclasses in core/admin.py & DOCUMENT THEM IN THE CODE.
- MAP/SLIPPY-MAP all BROKEN, RESTORE USING OSM & entrance locations. ↓
- properly delete prospecting-guide code!
- COLORISE XML in tunnel & Terrain files too. XSLT?

# EXPO(S)

# WALLETS REPORT(S)

17 MAR 2027

- MOVE ALL WALLETS.PY FUNCTIONS INTO TROGOTE: DESIGN A CONSOLIDATED, MULTI YEAR REPORT. FROM PERSON?
- 1999 ~~WRITE SCRIPT TO RENAME ALL SUBFOLDERS → 1999#01 FORMAT & INSERT NEW NAME IN CONTACTS.JSON & SEARCH FOR FILENAME IN TRAVEL FILES & RENAME.~~

• 2018 RENAME #X01 → #71 ✓ fix svx jobs xref.  
 & 2016 #X01 → #72 ✓  
 #73 ✓

- FIX LOSER: MALFORMED \*REF using negax's in CHECK-SVX.sh MANUALLY.
- in SURVEX PARSER, ADD CHECK THAT WELFORMED WALLET in \*XREF EXISTS in :LOSER
- IN WALLET FORM (SCANUPLOAD), → DATA ISSUE if NO DATE. IF SURVEX FILE, MANUALLY FIX. ↳ in pygrad new WALLETS PARSER.

• /summary-scans/ report NOW REDUNDANT. REPLACE WITH SCANUPLOAD (BUT WITHOUT THE FILE UPLOAD BUTTON) → remove BUTTONS IF NOT LOGGED IN.

• /summary-scans/ → /summary-scans/2019/2019#01/notes!.jpg  
 /scanupload/ → /expo/files/summary-scans/2019/2019#01/notes!.jpg

HOW IS THIS CODE DIFFERENT? RETIRE ONE OF THEM?

• /scanupload/ ADD LIVE URL LINK TO CAVE DESCR. URL.

• REPLACE all links to /summary-scans/ ⇒ ⇒ /scanupload/ INSTEAD of using TEMPLATE. ← PARSER DATA ISSUE

• CHECK IF DATE in JSON matches DATE in SVX ← PARSER DATA ISSUE

• IF JSON DATE is BLANK, FILL IN/SUGGEST DATE from SVX. ← PARSER DATA ISSUE

• CHRYMEX WALLETSINDEX.HTML o/p DATE TO MOST RECENT of IMAGE FILES  
 ↳ BUT THIS WILL BE REPLACED BY A TROGOTE REPORT! ← PARSER DATA ISSUE

• CHECK IF PEOPLE in JSON is BLANK  
 ↳ IF SO, SUGGEST LIST FROM SVX. IN MANUAL EDIT PAGE FORM. ← PARSER DATA ISSUE

• CHECK IF PEOPLE in JSON match \*TEAM in SVX ← PARSER DATA ISSUE

• IF NO SVX FILE IN JSON (COMMON for small caves) ← NOT A PARSER DATA ISSUE.

- ↳ ① DO DATE MATCH WITH SVX files
- ↳ ② DO LOG-BOOK ENTRY DATE match.
- ↳ ③ DO SEARCH ON PASSAGE NAME AND CAVE. ID. SOMEHOW. LIS

• IF WALLET with DATE exists, it is NOT SHOWN on EXPO page or person top page ↓  
 ↳ if there is no SVX file attached. of 2016#44, neither is covered in /summary-scans/ & SO ADD IT SOMEHOW TO THAT REPORT.

• FIX 2016#X01 → #71  
 • see EXPO(S) re wallets: blocks 1:M issues.

CLASS SURVEX BLOCK. scanswallet to be a LIST of wallets, not a single wallet.

WALLETS RESTRUCTURE

- ~~WALLETS WITH SUB-FOLDERS: MOVE & ALSO FIX LINKS in SVX & DRAWINGS.~~
- ~~→ 2006 #34, #35 SEARCH LOGBOOKS FOR People & Trips in 2006 #36~~
- ~~Ollyd Jenny - see B4/B4.svx~~
- ~~X01, X02 etc see EXPO ⑤ ALSO 1999 re org.~~
- ~~extract rest of 1999 in 1997-99 kb & 1996-1999 WORKBOOK~~
- ~~REPAIR rest of Ollyd Jenny's " notes in 2004 #18 " style refs.~~
- RESTRUCTURE rest of 1999 wallets to 'normal' style.

DRAWINGS IMPORT

- checks for XML existence - BUT NO ERROR MESSAGE ⇒ Data/Issue 2012-dd-os
- checks for ZERO LENGTH XML file ✓  
↳ so fix or find oldframes/overlap 204-161/iframe.xml
- MAKE A VIEW THAT EXTRACTS & SHOWS <ptext> CLEARLY from an .xml file
- CHANGE XML view as text to PARSED VIEW as INDENTED, COLOURED XML.
- DETECT FILENAMES WITH " " → a Data Issue  
(A INTERNAL NAMES) → is this still aborting things?
- XML view TRY/EXCEPT NON UTF CHARACTERS.

COPY FROM 2008 LOGBOOK, THE COL SKETCH & COL AREA INTO /GUIDEBOOK/ MAPKIN.

- PHOTO UPLOAD - JUST A FILESET NOW, & IMPLICIT PHOTOGRAPHER IN FEEDBACK PAGE
  - ↳ ADD FIELDS FOR WHERE & WHO PICTURED: UPLOAD EDITS THIS INTO EXIF.
  - ↳ CHECK using IMGDIR THAT THEY ARE JPG, PNG, 'RAW' ETC. (OR GPX)
- ALLOW PHOTOGRAPHER SUBFOLDERS CREATION.

WALLET SCAN UPLOAD

- ADD BUTTON TO RE-RUN wallets.py on server for current year.
  - ↳ OR TRIGGER whenever contents.json changes? CAN BE VERY FREQUENT.
  - ↳ BETTER TO SET FLAG THAT wallets.html are DIRTY & re-trigger wallets.py when those files are VIEWED; or put a "refresh" button on the html file itself?
- ALSO RE-RUN SCANS IMAGES PARSER ON THAT WALLET AFTER AN UPLOAD.
  - ↳ NEW 'SURVEYSCAN.DIR', NEW 'SURVEYSCAN' OBJECT.
- REMOTE EXPO FILES - if set, show WARNING ON ALL UPLOAD FORMS!
  - ↳ COULD HAVE LOCAL SCANFOLDERS (SUB) & REMOTE everything else?

NEW CAVE 114/2017 PS01 etc & GPS.

- CREATE SKETCH & WRITE UP AECW EMAILS & 11/7/2017 Down & Marked. + LOGBOOK 2018
- CHECK MY 2017 GPS & REGISTER my entrance in trees on Nieder Angst Eck from PHOTOS & GPS.

CAVE DESCRIPTION EDIT FORM

- PROMPT FOR THE APPROPRIATE URL TO SET.
- IF HTML CONTAINS <IMG>, PARSE & CHECK THAT FILE EXISTS IN CORRECT RELATIVE POSITION. (on/EXPOFILES THIS IS EASY, BUT NOT GOOD FOR STABILITY)
- ↳ OFFER CAPABILITY TO TAKE IMAGE FROM EXPOFILES, RESIZE IT & FILE IN CORRECT PLACE IN cave\_data/1623/<id3>/xyz.jpg AND GENERATE [src=" "] STRING FOR USE TO USE IN HTML.
- OR COPY THE CUVC page editor COMPLETELY?!
- Recommend using rooted w/ "/" for stability for photos? No... ~~with~~

ENABLE singlesurveyscan / scanupload for NON-LOGGED-IN users (just disable button)

# EXPO (8) PRIORITIES for EXPO USERS

28 MTK. 2021

- #1 ~~UPLOAD FORM for DRAWINGS (TUNNEL & THERION FILES)~~
- #2 QUICKLY GET essentials.gpx onto a PHONE  
LINK MAP POINT TO CAVE/ENT. DESCRIPTION  
GET SINGLE 2019 UPDATE TOO! FWH, etc.
- #3 ~~UPLOAD FORM for PHOTOS & GPS TRACKS~~ see EXPO (7)
- #4 TinyMCE for HTML edit → HANDBOOK PAGES  
↳ TRAVEL MATRIX.
- #5 GEAR-TAKE SELF EDITOR copied from Tom's CAMCAVING
- #6 MANY MORE X-refs BETWEEN HANDBOOK PAGES & TROUBLE pages: expos, logbooks, calendartables expo → WALLET
- #7 USEFUL QM page → USING SVX-LOADED QMS
- #8 GEOLOCATED ENTRANCE PHOTOS & VIEW DIRECTION  
(approach, entrances view from ent.)
- ~~#9 ~~SINGLE FORM CAVE+ENT+WALLET CREATION FORMS. BUT read EXISTING JSON if EXISTS. BASICALLY A JSON EDITOR.~~~~
- #10 DISPLAY 'INFO' FOR THERION & TUNNEL FILES  
↳ referenced WALLETS & IMAGE FILE NAMES, DATE etc.
- #11 FIX MISSING FOLK - FIX NAME PARSERS
- #12 GPS Location of ENTRANCE on ENTRANCE PAGE!

RUN APPARTE as 'expo'



- CREATE PAGE CACHES FOR /SURVEXFILES/ /SURVEYSCANS/ /NOTABLE\_CAVES/ ASB CURRENTLY FOR /EXPEDITION/<YEAR> - ALL WITH REGENERATE 'BUTTON'.
- ~~MAKE~~ LOGBOOK CACHE INVALID (i.e. delete it) AFTER ALL CHANGES (? - NOT ENABLED?)  
 ↗ FLAG IN TROG.  
 ↗ cf AARON C. 'DJANGO TROGGLE MODEL' HAS AN 'UPDATES' FLAG. USE THIS.
- CREATE NEW LAT./LONG. GPS WGS84 ON ALL ENTRANCES  
 ↗ BACK POPULATE FROM LOADPOS() in IMPACT.  
 ↗ CHECK WORKS ON FORM FOR NEW ENT .eg. 114
- USE TROG CACHE TO FIX CAVE KATASTER IN CACHE.
- ~~FIX~~ MAKE EQUIVS INTO AN EDITABLE FILE NOT IN PYTHON FOR GETCAVE() & GETCAVEBYREF().

- \* CHECK M:1 SURVEX BLOCKS: WALLET  
 ↗ ALLOW MULTIPLE SURVEX BLOCKS (≠ SURVEXFILES) FOR ONE WALLET.  
 BUT REPORTS ALLOW ONLY ONE WALLET IN ANY SINGLE SURVEX BLOCK  
 IF MULTIPLE \*REF IN A BLOCK IS AN ERROR → MAKE PARSER CHECK THIS
- NEW REPORT TO REPLACE CHK-XREFS SCRIPT. RE-USE THE LOGIC.
- MAKE UTILS.PY SAVECAREFULLY() USE DATA ISSUES NOT LOGGING → FAULTS.
- MOVE REINIT\_DB → IMPORTS.PY SO WE CAN DO DEEP RE-INIT FROM TROGGLE CONTROL PANEL.
- FIND THE CREATETABLE IMPLICITLY IN DJANGO SAVE() IN SAVECAREFULLY()  
 \* MAKE REINIT\_DB COMPLETE IN THAT IT CREATES ALL THE TABLES. (CURRENTLY SOME TABLES ONLY CREATED WHEN IMPORTING CAVES & PEOPLE)
- IF CONTROL PANEL WORKS, & WE CAN DO ALL IMPORTS. THEN COULD RUN IN :MEMORY: NOT IN MARVADB - IMPORTING WILL BE V. FAST INDEED!

THINGS I WISH I'D KNOWN

- [% url 'caves' %] & GET\_ABSOLUTE\_URL. Django advice is wrong for us AS WE HAVE VERY FEW OBJECT CLASSES AND MULTIPLE VIEW COMBINATIONS  
 SO get\_absolute\_url() on a CLASS is confusing & NOT helpful!
- FIND AARON'S COMMENT ON THIS & ADD TO PROGRAMMERS' GUIDE.
- FIX TESTS SO THAT THEY WORK { WITH IMPORTDB / ON SERVER }  
 ; MEMORY:

MODEL

- REMOVE EXPEDITIONDAY AS A CONCEPT. USE DATE INSTEAD. CHANGE URL DFLT. TOO.  
 ↗ SEE (15).
- REMOVE 'AREAS' FROM CODE - RENAME AS 'ZONES'? CURRENTLY APPENDED TO '1623' IN FIELD 'AREA' WHICH IS A TEXT FIELD. SHOULD BE A SELFID, i.e. '1623\_', '1623-', '1623&6' ALL APPEAR AS PARSED FROM cave\_data/x.html.
- table 'dwgfile\_survexfiles' is EMPTY. WHY? - MAKE PARSER POPULATE THIS.  
 - MAKE A REPORT SHOW IT.
- \* IS SURVEXFILES A LIST in model for SCANFOLDER?

- use COMROUTINES TO LOAD ALL SVX FILES IN 1623 TREE INTO MEMORY (NOT A PHYSICAL FILE) FOR THE LINEAR LOAD.
- CREATE INVERSE INDEX → SO IF ANY FILE IS EDITED, WE KNOW WHICH TO RE-PARSE BACK UP TO THE ROOT.
- KEEP ALL SVX FILES IN MEMORY (OR THOSE BITS WE CARE ABOUT ANYWAY) SO THAT RE-PARSING IS QUICK.
- WALK THE LOSER TREE & ALSO RECORD ALL SMOOD-ALANES, FLAG AS SUCH.
- RUN PROFILER ON THE PARSING PHASE - WHAT IS TAKING THE TIME? ✓
- CHANGE LOGIC: USE COROUTINES TO PARSE EACH SVX FILE INDIVIDUALLY AND KEEP RESULTS IN A TREE. THEN TRAVERSE THE TREE TO COLLECT UP RESULTS. IF SURVEX LOGIC FINDS A CASE THAT MEANS THAT DOWNSTREAM FILES NEED RE-PARSING, THEN DO THAT. MOST DON'T.
- CHECK NUMBER OF FILES & DIRECTORIES DONE TODAY. ANYTHING WRONG? LEGS 26,466? 156.6km? 164082.013 'legs' ← WHY?! FIND BUGS  
23032m?  
1507 files? Why 1,481? why did 26 go?! ~~READ~~ do TYPE() before ADD.
- FIX \*DATE BUG of \*DATE after \*TEAM: reset the date on the \*TEAM member!

## SURVEX DIRECTORIES

- ROOT DIRECTORY SHOULD NOT HAVE A CAVE\_ID  
↑ & not '#14501998X-01' ← FIX THIS.

## SURVEX FILES

- ~~MAKE .3d FILES → SPAWN AS SEPARATE PROCESSES? FIXED FORGET. WE DON'T NEED TO KNOW THE RESULT CODES. IS EXPONENTIAL .3d CORRECT?~~
- FIX TERMINAL O/P FOR MEM usage to be consistent style.
- EMAIL 2/8/2020 seen in views/survex
- cannot open 137/loser/1623.3d ← WHY NOT? SYMPTOM of a BUG.
- SURVEX STATIONS = 365 in LOAD POS. IS THIS THE CORRECT No? CROSS-CHECK!  
or a new REPORT.
- BUG 'TITLE' in survexfile/161 is not correct for a TOP LEVEL BLOCK.
- RECREATE noinfo/all.3d, all.tgz on PARSING INPUT.
- CHECK .3d FILE EXISTS AFTER PARSING of SVX EDITING → DATA ISSUE IF NOT!  
↳ SOME SVX CAN'T BE RUN IN ISOLATION
- COLLECT ALL .EMV FILES ON PARSING → ERROR PAGE OUTPUT REPORT
- BUG FIX \*DATE after \*TEAM → reset the team's expedition number parameter

EXPO(11)

# SERVER & SETTINGS

- 6 MAY 2021

~~BOZO~~  
• PUPPET install eventually.

- SETUP SCRIPT for UBUNTU  
↳ line PERMISSIONS for expo: www-data
- RECONCILE Wookeny's & my README.txt
- MariaDB too? mysqlclient & patch?
- ~~Viewing~~ ~~install~~ /JSNXP. ~~Look~~ ~~www~~
- BINS & Makefile
- Anachron install
- XAPIAN text search
- DJANGO ADMIN TEMPLATES & static/images for icons
- Cgit INSTALL
- CODE MIRROR install
- Tiny MCE install.
- KANBOARD install
- RUN Apache as user 'expo', otherwise git cannot set permissions correctly as 664. ~~look~~
- UPGRADE TO DJANGO 3.2.x
- RUN APACHE AS USER expo not www-data.

## SETTINGS

- Do a PATCH architecture for settings as is CUYC
  - settings
    - ↳ local settings
    - ↳ basic settings
    - ↳ local settings override again
  - ~~ANS~~ copy taxel/camcaving on GITHUB re settings
- Do it like this?

21 MAY 2021

## EXPO (12) LOGBOOKS & PARSING

23 MAR 2022

- FIX DATA/SQL errors FOR 3 BROKEN YEARS
- USE SHELVES.DB TO IMPORT WHOLE CACHE AT ONCE.
- REFACTOR logbooks.py - it is HORRIBLE.
- delete cache if DJANGO is updated!
- REBUILD 2003 LOGBOOK  $\Rightarrow$  2005 HTML format & REMOVE old parsers.
- TRY IMPORT USING CO-ROUTINES IF IT CAN BE MADE TO WORK WITH DATABASE LOCK ON SQLITE/MARIADB. ASYNCIO?
- Create DATAISSUE if 'place' does not match a cave or plateau etc.
- in DB, 'FILENAMES' ARE ALL BLANK. WHY? ARE THEY USED?
- REPARSE re-check 1989 in detail.
- USE TROG to tidy/fix get-person-expedition() FOLK CACHE.
- ADD caveid to LBE where the title matches a cave 'turnovers'!
- WSL2 - did this increase parse time by 10x for SCAMS & QVTS, Logbooks 2x,  $\Rightarrow$  5x.
- REFACTOR TROG FOR ALL GLOBAL VARIABLES.

## NEW PARSING TASK - WALLETS

- ADD ALL WALLETS AS A PARSING TASK
  - check svx files exist
  - check dates match svx
  - check svx file  $\neq$  ref POINTS BACK TO SAME WALLET.

## MENUS

- REMOVE all AFRW-era menus.
- Make Edit This Page work EVEN IF there is an AFRW menu.

- MORE FIXTURES for SUREVEX FILE views
- create test input .xml, .svx, logbook.html to TEST PARSERS

~~test prospecting-guide needs FIXTURES WPATH.~~

~~write script to generate tests for all URLs in urls.py?~~  
 ↳ to do live? } NO. MANUAL needed.  
 ↳ into test suite }

- FIXTURES for .3d files
- FIXTURES for /tunnel/draw/ test
- ENABLE sqlite == memory: for ON-SERVER testing.
- INSTALL coverage properly & integrate into TESTS. {EFFECTIVE PYTHON #70.}
- add generation of new svx file to tests (the default content of the form)
- add test to RUN the form ~~is~~ running carem or an svx file  
 ↳ best done in SELENIUM? ↳ & file appears in 3DCACHEDIR/3A/?
- TEST THAT 'carem' & 'surexexport' are installed & work on a test file.
- ~~DO TEST AGAIN~~ set REMOTE EXPORT FILES to expo.surex.com

all PASS!  
 BUT my wife's laptop  
 Exp PATHS  
 exp. carem test??

~~TEST POST forms & check for data receipt (b) correct response. UPLOAD FILED? create people?~~

- TEST PAGES: CareIndex, Care-204 page ← FIXTURE  
 New Care Form  
 New Entry Form on Care  
 FIXTURE → Expedition day  
 FIXTURE → LOGBOOK ENTRY

- NEED test for person expedition / ? / 2018 ← Fix Logbook env.  
 ↳ need FIXTURE so this actually slows a TRIP & a LOGBOOK ENTRY.
- MORE TESTS WITH & WITHOUT '/' TERMINATION.
- MAKE SOME SELENIUM TESTS for FINAL, LIVE SYSTEM {REMOTE TEST SERVER-HOUSED PROGRAM}

PROFILING

- install & run PROFILER on SVX IMPORT. ✓ Do again when moved to WSL2.
- MAKE TESTS WORK ON SERVER. PROBLEM WITH MEMORY: ? SQLITE??

# EXPO (14) NEW CAVE REGISTRATION : CAVE + WALLET & MAR ZULL

- FORM ADDS CAVE ID TO PENDING LIST IMMEDIATELY  
eg 1623-2022-W-01.  
→ NEW WALLET WITH NEW CAVE ID - NEEDS CHECK & CONFIRMATION  
IT IS REALLY NEW.  
→ CREATES SLUG FILE.
  - NEED VALIDATION ON DATE in WALLET (SCAN UPLOAD) FORM & CAVE FORM.
  - PARSER: IF CAVE\_DATA/SLUG FOUND, DELETE ENTRY IN PENDING filelist
- EDIT THIS PAGE - MAKE IT ~~WORK~~ WORK ON /1623/SUB FOLDERS!

## SVX EDIT FORM

- MAKE EDITED SVX FILE COMMIT TO HG GIT - after Wokey does ~~it~~ by git.

## ENTRANCES

- CHECK ~/cave/entrance/1623-161 → ~/1623/161/bsains.htm  
↳ ~/entrance/ WORKS STILL ?!
- BAD URL problem - check lots of ENTRANCES.

## CAVE EDIT FORM

- STILL HAVE TO COPY THE DOCH. <!--COMMENTS--> FROM EXPONAS TEMPLATES TO TROGGE/TEMPLATES/DATAFORMAT

## PENDING CAVE

- CANNOT EDIT TXT LIST WITH EDIT THIS PAGE! Need 'EDIT THIS TEXT' (??)
  - DUMMY CREATION HAPPENS ON PARSING NOT JUST BY READING LIST?
  - WRITE INTO 'NOTES' SECTION ⇒ HREFS TO
    - THIS DAY IN EXPO CALENDAR
    - SVX FILE - IF EXISTS
- NEED A NEW, UNIQUE SLUG → • HOW TO CHANGE THE FILENAME?
- AUTO REMOVE CAVE FROM PENDING LIST IF WE FIND A CAVE-DESCRIPTION FILE eg. a ~/cave-data/1623-2010-NB-01.html file.
  - WRITE INSTRUCTIONS FOR REMOVING NAME IN PENDING CAVE LIST - IN LOCAL SETTINGS too?

# EXPO(15) SURVEX BLOCKS

28 APR 2021

## \* DETECT MULTIPLE \*REF IN BLOCK & REPORT (DATA ISSUE)

- 1930 \*BEGINS 1916 BLOCKS ] WHY? NO DUPLICATES?
- 103 ANONYMOUS BLOCKS - THIS IS OK. BUT REPORT ANYWAY? *→ do a REPORT*
- NO EXPEDITION ID FOR 352 BLOCKS ← GERMANS? CHECK \*TEAM
- ALL CAVE\_IDS ARE NOT USED: BLANK! *if in expo list.*  
↳ either SET them or DELETE them the field. *But is used in logbook entries. How is the metadata done?*
- NO EXPEDITION-DAY VALUES. DELETE FIELD: UNUSED. *(SEE EXPO 9)*
- 372 MISSING A DATE. SHOULD INHERIT FROM FILE/PERSON/BLOCK.  
↳ yes, needs to be set I feel.

→ ? MISSING \*TEAM names → check if INHERITS?

REPORT IF MISSING \*REF

- \* REPORT IF >1 \*REF. NOT AN ERROR. M:N POSSIBLE.  
↳ NAME URL LINK ON DATA ISSUE. *IS AN ERROR WITHIN A BLOCK? NO.*
- REMEMBER QUOTES AROUND NAMES eg "BECKA" before storing.

\*FLOAT NOT SURFACE ← WHAT DOES THIS MEAN?

- ROOT BLOCK has TITLE "WEST OF LOSER" ← WHY?, HOW?!  
(comes from surface/gpx/2018)

\* SET NAMES = \_ - ← IS THIS THE DEFAULT? EITHER ENFORCE OR IGNORE.  
↳ are there any " " or " - " IN BLOCK NAMES?

- DESIGN FOR DATE RANGES? ALLOWED BY SURVEX ⇒ DATA ISSUE!
- SURVEX PERSON ROLE STORED IN EACH BLOCK. DELETE ALL THIS!  
↳ we don't need to know. Look in svx file if you care.

↑  
↳ 319 ARE MISSING ANY PERSON\_ID. ← WHY? WHO?

↓  
• DETECT DATA ISSUE if SURVEX BLOCK ABORTED ON LOADING

# EXPO ~~NO~~ DRAWINGS - THEMION & TUNNEL

1 MAY 2021

- INFO & RAW PAGES FOR EACH TYPE. TUNNEL
- INFO: THEMION → XML, → ptext, → related files  
L + LINK TO WALLET INDEX FOR THIS DWG. ← FILENAME ONLY?
- GET XSLT TO DISPLAY .RAW ← OR USE CODE VIEW? (codemirror?)
- ~~NO TUNNEL HAS INVALID XML FORMAT BUG. FIX ON THE FLY?~~

↳ ASK JULIAN (emaild 8/5/2022)

- ADD LINKS to Themion Files already uploaded (WHAT DOES THIS MEAN? WHERE??)
- WSL2 fails when parsing TUNNEL files? No errors appear!?

- Some TUNNEL files have a BAD UTF-8 ch eg tunneldatafac/16/1  
→ TELL/ASK JULIAN  
↳ report as DATA ISSUE when debugs.  
CATCH WITH TRY/EXCEPT AND GET CHAR POSITION FROM EXCEPTION message. (for north only B.Xml).

• ON UPLOAD, DO THE 'Drawing Page' function to register new drawing in DB.

- IN DRAWG-UPLOAD FORM? - ASK FOR CAVE NAME } put in data  
- ASK FOR SURVEX FILE } put in data  
- ASK FOR WALLET. } put in data  
add to data list on 'survexfile'

- IN SCARV UPLOAD FORM (⇒ into a wallet)  
• ASK FOR CAVE NAME  
• ASK FOR SURVEX FILE ← dropdown?!

- THIS WILL GIVE SEVERAL survex files per wallet of each SVX → 1 drawing somewhere
- THIS overlaps with CHECK-REFs script. So produce a REPORT.

## BUGS

- PURPLE LUPIN has SVG FILES & RIBFONT. Needs to move to WALLET & RIBFONT.
- EDIT TUNNELS desktop. to make TEXT file content visible.
- templates/tunnel/files.html {% wil 'tunnelfile' tunnelfile.tunnelpath %} ? why?  
but {{ scansfolder.get\_absolute\_wd() }} FAILS to get the :8000 part  
when running runserver 0.0.0.0:8000 on the DEBIAN SERVER.  
PORT NUMBER IS MISSING in templates!

• LINKS in person expedition + Duncan Colles/1999 FAIL. NOT a glita

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