



VisDic – Wordnet Browsing and Editing Tool

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Euromasters Summer School 2005

Outline

- 1 Motivation and History
 - Motivation
 - History
 - Design Goals
- 2 VisDic Functionality
 - Basic Functionality
 - Advanced Features
- 3 Conclusions and Future Directions
 - Conclusions
 - Future Directions

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- EuroWordNet tools – Polaris (editor) and Periscope (browser)
- Polaris:
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- NLP laboratory at FI MU (Karel Pala and Tomáš Pavelek) started to work on VisDic
- current team at NLP lab: Aleš Horák, Pavel Rychlý, Karel Pala and others (contact visdic@aurora.fi.muni.cz)



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VisDic Design Goals

- tool for presentation and editing of XML databases
- highly configurable
- multiplatform (Linux and Windows)
- primarily for WordNets, but adoptable to various dictionary types (monolingual, translational, thesaurus or generally linked wordnet lexicon)



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Basic Functions of VisDic

- powerful query language 
- multiple views of multiple wordnets 
- freely defined text views 
- editing 
- Tree and RevTree 
- query result and external entry lists 
- plain XML view 

and Advanced Features ...



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- synchronization – *Show (by)* and *AutoLookUp (by)* [▶ screenshots](#)
- editing support – inter-dictionary copying with *Take key from* or *Copy entry to* [▶ screenshots](#)
- tree browsing – *Topmost entries* and *Full expansion* [▶ screenshots](#)
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Conclusions and Future Directions

VisDic usability:

- VisDic proved its usability in Balkanet
- it has achieved the leading role in many wordnet editing projects

Future of VisDic:

- specific support for linguists
- user interface and team cooperation
- VisDic successor – client-server lexical database editor DEB

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Query language

query language expression is constructed with rules:

Expr: *Eval Oper Expr*

Expr: *Eval* | *(Expr)*

Eval: *Tag Match STR*

Eval: *Literal*

Tag: *ID.Tag*

Tag: *ID*

Match: *==* | *=*

Oper: *&&* | *||*

Literal: *STR*

Literal: *STR:STR*

Query language – examples

`dog`

... searches for all literals containing word 'dog'

`dog:1`

... searches for literal 'dog' with sense '1'

`"hunting dog"`

... searches for all literals containing string 'hunting dog'

`/butt.*/`

... searches for all literals starting with 'butt' (butter, button, butterfly, ...)

`SYNSET.ID=ENG20-00003009-n`

... searches for synsets with id 'ENG20-00003009-n'

`SYNSET.POS=/[an]/`

... searches for synsets with POS 'a' or 'n'

VisDic

Files Dictionary Help

English WordNet 2.0.c (r)

dog

+ [n] dog:1, domestic dog:1, Canis familiaris:1

+ [n] hound:1, hound dog:1

+ [n] hunting dog:1

+ [n] kennel:1, doghouse:1, dog house:1

View Tree RevTree BCS1,2 BCS3 XML

POS: n ID: ENG20-02001223-n BCS: 3

Synonyms: dog:1, domestic dog:1, Canis familiaris:1

Definition: a member of the genus Canis (probably descended from the common wolf) that has been domesticated by man since prehistoric times; occurs in many breeds

Usage: the dog barked all night

Domain: zoology

SUMO/MILO: + Canine

--> [hyponym] [n] canine:2, canid:1

--> [holo_member] + [n] Canis:1, genus Canis:1

--> [holo_member] + [n] pack:6

<<- [hyponym] [n] pooch:1, doggie:1, doggy:1, barker:2, bow-wow:2

<<- [hyponym] + [n] cur:1, mongrel:2, mutt:1

<<- [hyponym] [n] lapdog:1

<<- [hyponym] + [n] toy dog:1, toy:4

<<- [hyponym] + [n] hunting dog:1

<<- [hyponym] + [n] working dog:1

<<- [hyponym] [n] dalmatian:2, coach dog:1, carriage dog:1

<<- [hyponym] [n] basenji:1

Czech WordNet 2.0.a (r)

[n] pes:1

View Tree RevTree Edit WN15 CZE XML

POS: n FRAME: xcapek1 2003/06/25

ID: ENG20-02001223-n

Synonyms: pes:1

Usage: 3

--> [hyponym] [n] psovitá šelma:1

--> [holo_member] [n] rod Vlk:1, rod Canis:1

--> [holo_member] [n] smečka:1

<<- [hyponym] [n] mopslík:1

<<- [hyponym] [n] hafan:1

<<- [mero_part] [n] prut:1

<<- [hyponym] [n] spic:1

<<- [hyponym] [n] pracovní pes:1

<<- [hyponym] [n] pudl:1

<<- [hyponym] [n] lovecký pes:1

<<- [hyponym] [n] psisko:1, čokl:1

<<- [hyponym] [n] trpasličí pes:1, trpasličí psík:1

EuroWordNet Top Ontology (r)

[123].*/

1stOrderEntity

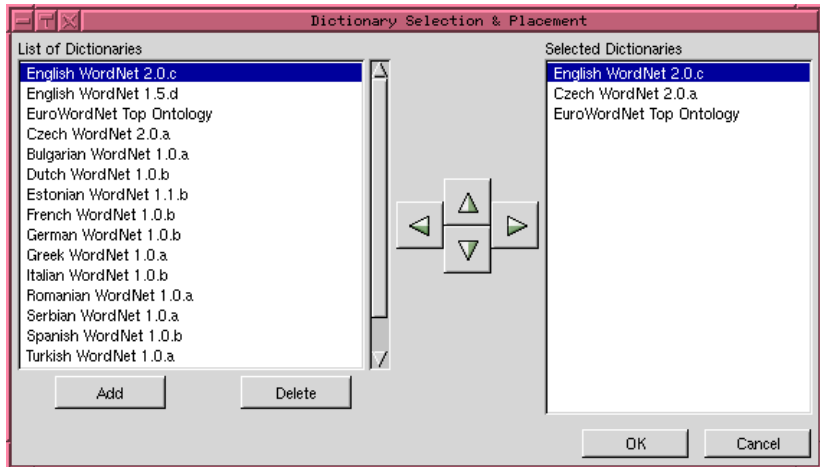
2ndOrderEntity

3rdOrderEntity

Top Ontology View

Top

- 1stOrderEntity
 - Composition
 - Group
 - Part
 - Form
 - Object
 - Substance
 - Gas
 - Liquid
 - Solid
 - Function
 - Origin



← Back

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<<-- [hyponym] +[n] pug:1, pug-dog:1

<<-- [hyponym] [n] Leonberg:1

<<-- [hyponym] [n] Newfoundland:1

<<-- [hyponym] [n] Great Pyrenees:1

<<-- [hyponym] +[n] spitz:1

View Tree RevTree Edit WN15 CZE XML

New Delete Save

Definitor

přístroj na měření teploty

Non Lexicalized

Usage

Celsiův, Réaumurův, Fahrenheitův, rtuťový, lihový, plynový t. + -

Note

ssjč1 / + -

Part of Speech

n /

Synonyms: Literal, Sense, LNote

teploměr 1 + -

Relations

*[n] měřicí přístroj:1 / hypernym / + - >>

Valency

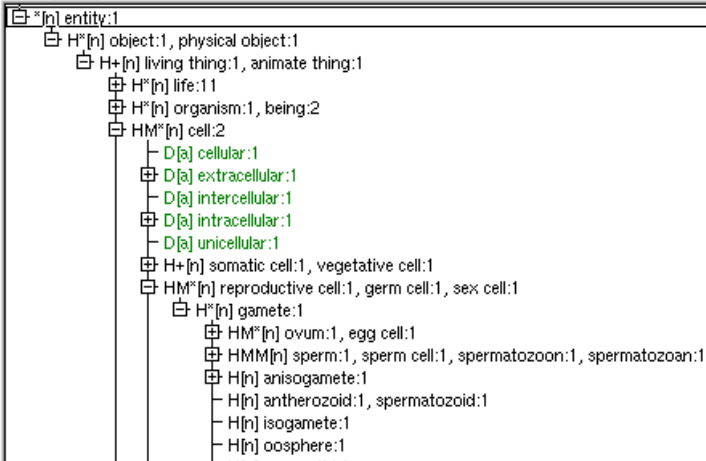
+ - + -

In Balkanet Common Set

13 /

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- [-] *^[n] entity:1
 - [-] H^{*[n]} object:1, physical object:1
 - [-] H+^[n] living thing:1, animate thing:1
 - [-] H^{*[n]} organism:1, being:2
 - [-] HM^{*[n]} animal:1, animate being:1, beast:1, brute:2, creature:1, fauna:2
 - [-] HM^{*[n]} chordate:1
 - [-] HM^{*[n]} vertebrate:1, craniate:1
 - [-] HM^{*[n]} mammal:1
 - [-] HM^{*[n]} placental:1, placental mammal:1, eutherian:1, eutherian
 - [-] HM^{*[n]} carnivore:1
 - [-] HM^{*[n]} canine:2, canid:1
 - [-] HMM+^[n] dog:1, domestic dog:1, *Canis familiaris*



View Tree RevTree BCS1,2 BCS3 XML

- ⊖ H*[n] organism:1, being:2
 - ⊖ HHM*[n] person:1, individual:1, someone:1, somebody:1, mortal:1, hu
 - ⊖ H*[n] leader:1
 - ⊖ H*[n] head:4, chief:1, top dog:1

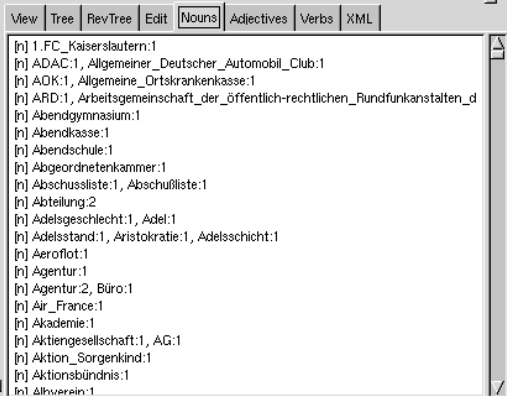
View Tree RevTree BCS1,2 BCS3 XML

- ⊖ [n] bank commissioner:1
 - ⊖ H [n] commissioner:1
 - ⊖ H [n] administrator:3, executive:3
 - ⊖ H *[n] head:4, chief:1, top dog:1
 - ⊖ H *[n] leader:1

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Germanet Sample WordNet

Query: SYNSET.POS=n

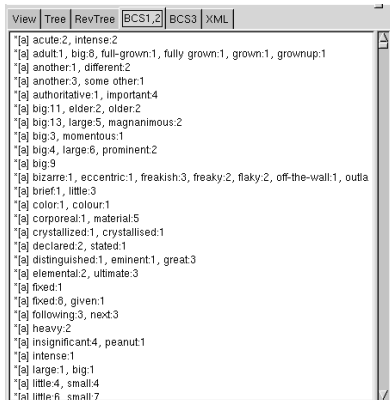


The screenshot shows a software window with a menu bar at the top containing 'View', 'Tree', 'RevTree', 'Edit', 'Nouns', 'Adjectives', 'Verbs', and 'XML'. The 'Nouns' tab is selected. The main area displays a list of synsets, each starting with '[n]' and followed by a number and a German noun. The list includes:

- [n] 1.FC_Kaiserslautern:1
- [n] ADAC:1, Allgemeiner_Deutscher_Automobil_Club:1
- [n] ADK:1, Allgemeine_Ortskrankenkasse:1
- [n] ARD:1, Arbeitsgemeinschaft_der_öffentlich-rechtlichen_Rundfunkanstalten_d
- [n] Abendgymnasium:1
- [n] Abendkasse:1
- [n] Abendschule:1
- [n] Abgeordnetenammer:1
- [n] Abschlussliste:1, Abschußliste:1
- [n] Abteilung:2
- [n] Adelsgeschlecht:1, Adel:1
- [n] Adelsstand:1, Aristokratie:1, Adelschicht:1
- [n] Aeroflot:1
- [n] Agentur:1
- [n] Agentur:2, Büro:1
- [n] Air_France:1
- [n] Akademie:1
- [n] Aktiengesellschaft:1, AG:1
- [n] Aktion_Sorgenkind:1
- [n] Aktionsbündnis:1
- [n] Alhverein:1

English WordNet

Query: SYNSET.BCS=/ [12] /



The screenshot shows a web interface for the English WordNet. At the top, there are tabs for 'View', 'Tree', 'RevTree', 'BCS1,2', 'BCS3', and 'XML'. The 'BCS1,2' tab is selected. Below the tabs, a list of synsets is displayed, each starting with an asterisk and the letter 'a' in brackets, followed by a list of related terms and their counts. The synsets listed are:

- *[a] acute:2, intense:2
- *[a] adult:1, big:8, full-grown:1, fully grown:1, grown:1, grownup:1
- *[a] another:1, different:2
- *[a] another:3, some other:1
- *[a] authoritative:1, important:4
- *[a] big:11, elder:2, older:2
- *[a] big:13, large:5, magnanimous:2
- *[a] big:3, momentous:1
- *[a] big:4, large:6, prominent:2
- *[a] big:9
- *[a] bizarre:1, eccentric:1, freakish:3, freaky:2, flaky:2, off-the-wall:1, outla
- *[a] brief:1, little:3
- *[a] color:1, colour:1
- *[a] corporeal:1, material:5
- *[a] crystallized:1, crystallised:1
- *[a] declared:2, stated:1
- *[a] distinguished:1, eminent:1, great:3
- *[a] elemental:2, ultimate:3
- *[a] fixed:1
- *[a] fixed:6, given:1
- *[a] following:3, next:3
- *[a] heavy:2
- *[a] insignificant:4, peanut:1
- *[a] intense:1
- *[a] large:1, big:1
- *[a] little:4, small:4
- *[a] little:6, small:7

◀ Back

```
View Tree RevTree BCS1,2 BCS3 XML
<SYNSET>
  <ID>ENG20-04919813-n</ID>
  <POS>n</POS>
  <SYNONYM>
    <LITERAL>body part
      <SENSE>1</SENSE>
    </LITERAL>
  </SYNONYM>
  <ILR>ENG20-08797461-n
    <TYPE>hypemym</TYPE>
  </ILR>
  <ILR>ENG20-00003226-n
    <TYPE>holo_part</TYPE>
  </ILR>
  <DEF>any part of an organism such as an organ or extremity</DEF>
  <BCS>1</BCS>
  <DOMAIN>anatomy</DOMAIN>
  <SUMO>BodyPart
    <TYPE>=</TYPE>
  </SUMO>
  <RILR>ENG20-01814160-n
    <TYPE>hypemym</TYPE>
  </RILR>
  <RILR>ENG20-01818138-n
    <TYPE>hypemym</TYPE>
  </RILR>
  <RILR>ENG20-01820900-n
    <TYPE>hypemym</TYPE>
  </RILR>
  <RILR>ENG20-02074327-n
    <TYPE>hypemym</TYPE>
  </RILR>
  <RILR>ENG20-02231455-n
    <TYPE>hypemym</TYPE>
  </RILR>
```

VisDic

Files Dictionary Help

English WordNet 2.0.c ND

meadow

[n] Common vetching:1, meadow
 [n] deer grass:1, meadow bes
 [n] fescue:1, fescue grass:1, i
 [n] hayfield:1, meadow:1

View Tree RevTree BCS1,2

POS: n ID: ENG20-08046528-n
 Synonyms: hayfield:1, meadow:1

Definition: a field where grass or alfalfa are grown to be made into hay

Domain: geography
 SUMO/MILO: = Field
 --> [hypernym] [n] grassland:1

Czech WordNet 1.8.d

[n] přistávací plocha:1

View Tree RevTree Edit WN15 CZE XML

POS: n ID: ENG20-02595896-n BCS: 2
 Synonyms: přistávací plocha:1

--> [hypernym] *[n] zařízení:3
 --> [holo_part] *[n] komunikace:1
 <<< [hyponym] [n] přistávací dráha:1, startovací dráha:1, pásmo:3
 <<< [hyponym] *[n] letiště:1
 <<< [mero_part] [n] rozjezdová dráha:1, dráha:9

Serbian WordNet 0.8.a (r)

/?

*[n] H2O:X, voda:1a
 *[n] aerodrom:1x, pista:1, sletis:1b, uzletis:1
 *[n] aerodrom:1y, vazdušna luka:X

View Tree RevTree Edit SRP

POS: n LNOTE: nema
 LNOTE: N660
 LNOTE: nema
 LNOTE: hema
 ID: EN Show in English WordNet 2.0.c ND
 Synonyms: Take key from Czech WordNet 1.8.d
 uzletis:1 AutoLookUp in
 Definition: Copy entry to ku i uzlecxu
 --> [hype Import IDs from file istem:1,
 --> [holo saobraccx]:2
 <<< [hyponym] *[n] aerodrom:1y, vazdušna luka:X

Last search: 1000 results

VisDic

Files Dictionary Help

English WordNet 2.0.c ND

meadow

[n] common vetching:1, meadow pea:1
[n] deer grass:1, meadow beauty:1
[n] fescue:1, fescue grass:1, meadow fe
[n] hayfield:1, meadow:1

View Tree RevTree BCS1_2 BCS3 XM

POS: n ID: ENG20-08046528-n
Synonyms: hayfield:1, meadow:1

Definition: a field where grass or alfalfa
are grown to be made into hay

Domain: geoi
SUMO/MILO
--> [hyperm]

Czech WordNet 1.8.d

[n] louka:1

View Tree RevTree Edit WN15 CZE XML

POS: n ID: ENG20-08046528-n
Synonyms: louka:1

Definition: pozemek s pěstěným souvislým
porostem složeným z rozličných rostlinných
společenstev, zejm. z trav a bylin:
Usage: rozkvetlá horská l.; úrodné louky; posekat
louku
Note: ssjč1
--> [hypermym] [n] lučina:1

☑ Czech WordNet 1.8.d
☑ Serbian WordNet 0.8.a

Serbian WordNet 0.8.a (r)

/./

[n] H2O:X, voda:1a
[n] aerodrom:1x, pista:1, sletis:1e:1
* [n] aerodrom:1y, vazdusna luka:1

View Tree RevTree Edit SRP

POS: n LNOTE: nema
LNOTE: N660
LNOTE: nema
LNOTE: nema
ID: ENG20-02595896-n BCS
2
Synonyms: aerodrom:1x, pista:1,
sletis:1e:1b, uzletis:1e:1

Definition: mesto gde avioni slecnu i
uzlecnu
--> [hypermym] *[n] objekat:1ay
--> [holo_part] +[n] transportni
sistem:1, saobracaj:2
<<- [hyponym] *[n] aerodrom:1y,
vazdusna luka:X

Show in

Show DOMAIN in

Show SUMO in

Take key from

AutoLookup in

AutoLookup by DOMAIN in

AutoLookup by SUMO in

Copy entry to

Import IDs from file

VisDic

Files Dictionary Help

English WordNet 2.0.c

dog

[v] chase:1, chase after:2, trail:2, tail:1,
+ [n] dachshund:1, dachsie:1, badger dog
+ [n] dog:1, domestic dog:1, Canis familia

View Tree RevTree BCS1_2 BCS3 XML

POS: v ID: ENG20-01943890-v
BCS: 2
Synonyms: chase:1, chase after:2,
trail:2, tail:1, tag:4, give chase:1,
dog:1, go after:1, track:3
Definition: go after with the intent to
catch
Usage: The policeman chased the
mugger down the alley
Usage: the dog chased the rabbit
Domain: factotum
SUMO/MILO: = Pursuing
--> [hypermym] "[v] pursue:2, follow:22
--> [also_see] "[v] chase away:1,
drive out:1, turn back:3, drive away:1,
dispel:1, drive off:1, run off:3
--> [also_see] [v] tag along:1
--> [eng_derivative] "[n] pursuit:1,
chase:1, following:2
--> [eng_derivative] [n] trailing:1,
tracking:1

Czech WordNet 1.8.d

[v] pachtit se:1, prohnat:1, pít se:1, štvát:1

View Tree RevTree Edit WN15 CZE XML

POS: v ID: ENG20-01943890-v BCS: 2
Synonyms: pachtit se:1, prohnat:1, pít se:1, štvát:1
--> [hypermym] "[v] zavěšit se:1, pronásledovat:1
--> [also_see] "[v] ...
--> [hyponym] [v]
--> [hyponym] [v]

Show In
Take key from English WordNet 2.0.c
AutoLookup in Serbian WordNet 0.8.a
Copy entry to
Import IDs from file

Serbian WordNet 0.8.a (r)

././

*[a] koloran:X, kolor:X
*[a] odredxen:1, fiksan:X
*[a] odredxen:1, dati:12e
*[a] ...

View Tree RevTree Edit

POS: v LNOTE:
V58+Imperf+Tr+Iref+Ref
ID: SRP-25820777
Synonyms: prenositi:1
Definition: Poneti nekoga
ili nesxto sa sobom negde.
Last Edit: Dusko
2003/04/21
--> [hypermym] "[v]
poneti:1

Last search: 0 results

View Tree RevTree BCS1,2 BCS3 XML

- *[n] entity:1
 - HM*[n] location:1
 - H*[n] region:3
 - H*[n] geographical ar
 - H*[n] tract:1, piec

Show in

Show DOMAIN in

Show SUMO in

Take key from

Delete node

Delete subtree

AutoLookUp in

AutoLookUp by DOMAIN in

AutoLookUp by SUMO in

Copy entry to

Import IDs from file

Full expansion

Export to file

Find topmost entries

Last search: 1 results

View Tree RevTree BCS1,2 BCS3 XML

- *[n] abstraction:6
- *[n] act:2, human action:1, human activity:1
- *[n] entity:1
- *[n] event:1
- *[n] group:1, grouping:1
- *[n] phenomenon:1
- *[n] possession:2
- *[n] psychological feature:1
- *[n] state:4
- *[v] account:2, calculate:3
- *[v] affirm:3
- *[v] analyze:1, analyse:1, study:1, examine:1, canvass:3, car
- *[v] appoint:2, charge:5
- *[v] be:1
- *[v] be:3
- *[v] become:3
- *[v] cause to be perceived:1
- *[v] change:3, alter:2, vary:1
- *[v] compete:1, vie:1, contend:4
- *[v] constitute:1, represent:7, make up:1, comprise:2, be:7

Number of entries: 1203

VisDic

Files Dictionary Help

English WordNet 2.0.c ND

head

*[n] head of state:1, chief of state:1
 *[n] head:1, caput:2
 *[n] head:4, chief:1, top dog:1
 *[n] head:1, head:1, head:2

View Tree RevTree BCS1,2 BCS3 XML

HM*[n] part:7, piece:3
 HM*[n] body part:1
 H*[n] external body part:1
 HMM*[n] head:1, caput:2

- Show in
- Show DOMAIN in
- Show SUMO in
- Take key from
- Delete node
- Delete subtree
- AutoLookup in
- AutoLookup by DOMAIN in
- AutoLookup by SUMO in
- Copy entry to
- Import IDs from file
- Full expansion
- Export to file
- Find topmost entries

Czech WordNet 1.8.d

[n] hlava:1

View Tree RevTree Edit WN15

POS: n ID:
 ENG20-05221598-n BCS: 1
 Synonyms: hlava:1

--> [hypernym] *[n] vnější část těla:1
 --> [holo_part] *[n] tvor:1, zvíře:1, živočich:1
 --> [holo_part] *[n] lidské tělo:1, tělo:1, schránka:5, tělesná schránka:1
 <<< [mero_part] [n] lebka:1
 <<< [mero_part] *[n] obličej:1
 <<< [mero_part] *[n] čenich:1, náhubek:1
 <<< [mero_part] [n] slech:1, ucho:1
 <<< [mero_part] *[n] skrání:1, spánek:3
 <<< [mero_part] [n] mozek:1, mozeček:1

Serbian WordNet 0.8.a (r)

View Tree RevTree

VisDic

Files Dictionary Help

English WordNet 2.0.c ND

head

"[n] head of state:1, chief of state:1
 "[n] head:1, caput:2
 "[n] head:4, chief:1, top dog:1
 "[f] head:1, head:1, head:2, head:3

View Tree RevTree BCS1,2 BCS3 XML

HM*[n] part:7, piece:3
 HM*[n] body part:1
 H*[n] external body part:1
 HMM*[n] head:1, caput:2
 D[a] cephalic:1
 [near_antonym][a] caudal:1
 [near_antonym][a] cephalic:1
 HM[n] human head:1
 H[n] attic:3, bean:4, bonce:1, noodle:2, nog
 H[n] bullethead:1
 MH[n] countenance:3, physiognomy:1, phiz
 MH[n] occiput:1
 D[a] occipital:1
 MH[n] pate:2, poll:2, crown:10
 H[n] tonsure:1
 MH[n] scalp:1
 MH[n] sinciput:1
 MH*[n] muzzle:2
 MH[n] snout:1, neb:1
 H[n] nose:1, trunk:5

Czech WordNet 1.8.d

[n] hlava:1

View Tree RevTree Edit WN15

POS: n ID:
 ENG20-05221598-n BCS: 1
 Synonyms: hlava:1

--> [hypernym] "[n] vnější část
 těla:1
 --> [holo_part] "[n] tvor:1,
 zvíře:1, živočich:1
 --> [holo_part] "[n] lidské tělo:1,
 tělo:1, schránka:5, tělesná
 schránka:1
 <<< [mero_part] [n] lebka:1
 <<< [mero_part] "[n] obličej:1
 <<< [mero_part] "[n] čenich:1,
 náhubek:1
 <<< [mero_part] [n] slech:1,
 ucho:1
 <<< [mero_part] "[n] skrání:1,
 spánek:3
 <<< [mero_part] [n] mozek:1,
 mozeček:1

Serbian WordNet 0.8.a (r)

View Tree RevTree

Number of entries: 359

← Back

Serbian WordNet

The screenshot shows the VisDic application window titled "VisDic". The main window is titled "Serbian WordNet 0.8.a (r)". The interface is divided into several sections:

- Menu:** Files, Dictionary, Help.
- Search:** A search bar containing "/?/".
- Left Panel (Word Information):**
 - sh Wor: Serbian WordNet 0.8.a
 - meado: Undo last change
 - [n] lesi: Configuration
 - [n] hay: Save Bookmark
 - [n] lad: Load Bookmark
 - [n] ma: Export to XML...
 - View: Rebuild from XML
 - POS: i: Check duplicate IDs
 - ID: Check duplicate literals & senses
 - ENG2: Check duplicate synset literals
 - 46528: Check duplicate synset links
 - Synon: Check duplicate synset links
 - hayfel:
 - meadow.1:
 - Definition: a:
 - field where:
 - grass or:
 - alfalfa are:
 - grown to be:
 - made into:
 - hay:
 - Domain:
 - geography:
 - SUMO/MIL:
 - O: = Field
 - >>:
- Right Panel (Word Details):**
 - View | Tree | RevTree | Edit | SRP
 - POS: a LNOTE: A17
 - LNOTE: A31
 - LNOTE: A18
 - ID: ENG20-01406192-a BCS: 2
 - Synonyms: piskav:1, tanak:5, tanusxan:1
 - Definition: Za zvuk, posebno glas.
- Bottom Panel:** Last search: 1000 results

Serbian WordNet

The screenshot shows the VisDic application interface. The main window displays two WordNet dictionaries side-by-side: 'sh WordNet 2.0.c' and 'Czech WordNet 1.8.d (r)'. The English entry for 'meadow' is selected, and its corresponding Czech entry 'louka:1' is also selected. A dialog box titled 'Check duplicate literals & senses for Serbian WordNet 0.8.' is overlaid on the right, showing a list of senses for the Serbian word 'louka'. The list includes various senses with their respective occurrence counts, such as '[n] iznos:1, suma:1, zbir:1' and '[a] osnovni:1a, elementaran:1, fundamentalan:1'. The dialog also reports 'Found occurrences: 11146' and 'Duplicate entries: 173', with 'OK' and 'Write list to file' buttons at the bottom.

sh WordNet 2.0.c

meadow

[n] rescue:1, n

[n] hayfield:1,

[n] lady's sm

[n] marsh mari

View Tree RevT

POS: n

ID:

ENG20-080

46528-n

Synonyms:

hayfield:1,

meadow:1

Definition: a

field where

grass or

alfalfa are

grown to be

made into

hay

Domain:

geography

SUMO/MIL

O: = Field

-->

Czech WordNet 1.8.d (r)

[n] louka:1

View Tree RevTree E

POS: n ID:

ENG20-08046528-n

Synonyms: louka:1

Definition: pozemek s

pěstěným souvislým

porostem složeným z

rozličných rostlinných

společenstev, zejm. z

trav a bylin:

Usage: rozkvetá

horská l.; úrodné

louky; posekat louku

Note: ssjč1

--> [hypernym] [n]

lučina:1

Check duplicate literals & senses for Serbian WordNet 0.8.

"[n] iznos:1, suma:1, zbir:1

"[n] zbir:1

[a] osnovni:1a, elementaran:1, fundamentalan:1

[a] bazicyan:1, osnovni:1a, susxdinski:1

"[n] bezosecxajnost:1, neosetkivost:1

+ [n] neosetkivost:1, bezosecxajnost:1

[a] osnovni:1b, bazicyan:1, pocyetnicyki:1, uvodni:1

[a] bazicyan:1, osnovni:1a, susxdinski:1

"[n] bezosecxajnost:1, neosetkivost:1

Found occurrences: 11146

Duplicate entries: 173

OK

Write list to file

Journaling

- all user actions are *logged* in a **journal**
- supports team work – user journals can be *applied to central wordnet*

```
2004/05/27 09:25:58 ydana BEGIN
2004/05/27 09:56:46 ydana UPD_ENT <SYNSET><ID>ENG20-02188524-v</ID><SYNO
2004/05/27 09:59:27 ydana UPD_ENT <SYNSET><ID>ENG20-02284395-v</ID><SYNO
2004/05/27 10:03:35 ydana ADD_NEW <SYNSET><ID>CZE-1248087973</ID><SYNONY
2004/05/27 10:04:01 ydana UPD_KEY CZE-1248087973 => ENG20-02225955-v
2004/05/27 10:04:31 ydana UPD_ENT <SYNSET><ID>ENG20-02225955-v</ID><SYNO
2004/05/27 10:10:12 ydana UPD_ENT <SYNSET><ID>ENG20-01380303-v</ID><SYNO
2004/05/27 10:17:17 ydana ADD_NEW <SYNSET><ID>CZE-480398045</ID><SYNONYM
2004/05/27 10:17:40 ydana UPD_KEY CZE-480398045 => ENG20-01382570-v
2004/05/27 10:18:05 ydana UPD_ENT <SYNSET><ID>ENG20-01382570-v</ID><SYNO
2004/05/27 10:34:52 ydana ADD_NEW <SYNSET><ID>CZE-986267302</ID><SYNONYM
2004/05/27 10:35:26 ydana UPD_KEY CZE-986267302 => ENG20-00987784-v
2004/05/27 10:38:03 ydana UPD_ENT <SYNSET><ID>ENG20-01382570-v</ID><SYNO
2004/05/27 14:12:27 ydana END
```

VisDic XML Configuration

- global configuration in `visdic.cfg`
 - colors, fonts, dictionaries, open dictionaries, autolookups, . . .
- dictionary specific configuration in `dictionary.cfg`
 - name, main tag, charset, . . .
 - definitions of *visuals*
 - definitions of *views* (panels)
 - definitions of *consistency checks*
- dictionary structure definition in `dictionary.def`
 - similar purpose as DTD – Document Type Definition

visdic.cfg

```
<?xml version="1.0"?>
<CONFIG>Visdic general configuration file
  <COLOR>Colors definition
    <BLACK>0x0000, 0x0000, 0x0000</BLACK>
    <WHITE>0xffff, 0xffff, 0xffff</WHITE>
    ...
  </COLOR>
  <FONT>Fonts definition</FONT>
  <APPL>
    <DICT>/nlp/wn/visdic/data/eng20/wneng20</DICT>
    <DICT>/nlp/wn/visdic/data/eng171/wneng171</DICT>
    <DICT>/nlp/wn/visdic/data/eng15/wneng15</DICT>
    ...
    <AUTOLOOKUP>v2-v1</AUTOLOOKUP>
    <OPEN>1
      <SIZE>43</SIZE>
      <HIST>
        <LINE>trench</LINE>
        <LINE>house</LINE>
        ...
      </HIST>
    </OPEN>
    <OPEN>5
      <SIZE>57</SIZE>
    </OPEN>
  </APPL>
</CONFIG>
```

wneng20.def

```
0 SYNSET 1 1 N
  1 ID 1 1 K
  1 POS 1 1 N
  1 SYNONYM 1 1 N
    2 LITERAL 1 -1 N
      3 SENSE 1 1 I @maxbyparent+1
      3 LNOTE 0 1 N
  1 ILR 0 -1 L
    2 TYPE 1 1 N
  1 RILR 0 -1 R SYNSET.ILR
  1 BCS 0 1 N
  1 DEF 0 1 N
  1 USAGE 0 -1 N
  1 SNOTE 0 -1 N
  1 STAMP 0 1 N
  1 DOMAIN 0 1 N
  1 SUMO 0 -1 N
    2 TYPE 1 1 N
```