

Space from Text

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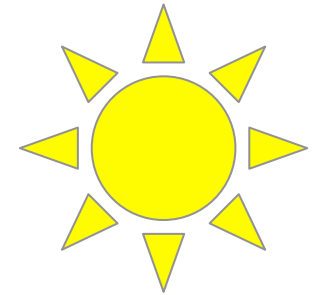
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<http://modmebo.hypotheses.org>

Which space in the text?

From Oxford I travelled
towards the morning sun
and reached London
in the evening.



Cambridge



Oxford



London

Purpose: study text/map differences

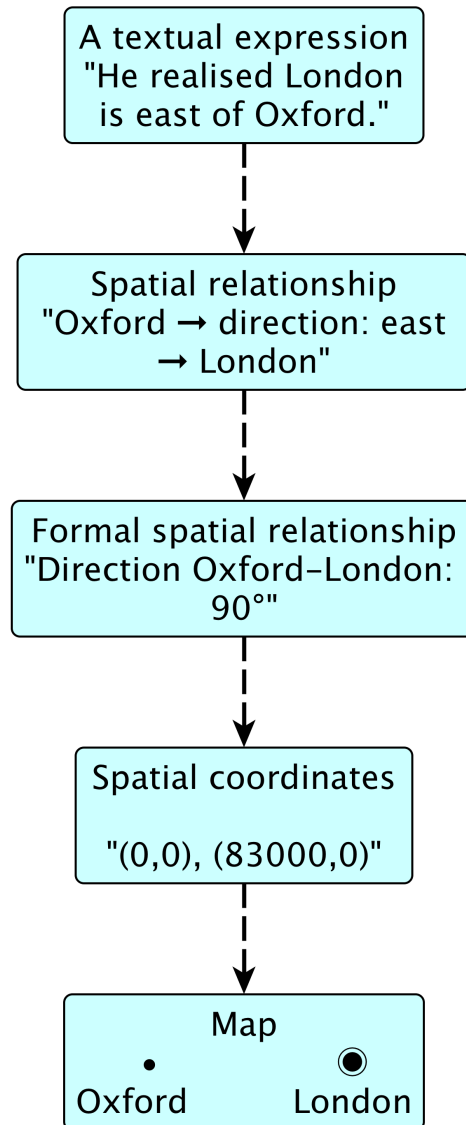
You can run
through the
forests; they will
be wild and
blooming, you will
turn right, or left, or
straight up and fly.
You will never go
through before you
want to.

*How can
things be
said?*



*What can
be said?*





- Critical Stepwise Formalisation
 - experimental modelling
 - study the process rather than the end result
- Tool development
 - text manipulation beyond the text encoding paradigm
- Media transformation as a computational method
 - not *study* media transformations, but
 - *perform* media transformations
- Must get the *meaning* of the text into the modelling tool

```
<p xml:id="Schn1_20375">Der er en trang dahl, bestaaende af Søer Elfver Skouge  
og bacher, og paa Siiderne omgivet med Fielde nembl: imod øster ad  
<name type="place" xml:id="Schn1_20378">Jemteland</name> med  
<name type="place" xml:id="Schn1_20381">Scharfieldet</name> og  
<name type="place" xml:id="Schn1_20386">Sylen Field</name> paa Søndere  
Siide ad <name type="place" xml:id="Schn1_20392">Aalens Annex</name> med  
<name type="place" xml:id="Schn1_20395">Løfunden Field</name> i Nord med  
<name type="place" xml:id="Schn1_20400">Øye Field</name> og  
<name type="place" xml:id="Schn1_20406">Fongen</name> ad  
<name type="place" xml:id="Schn1_20409">Mærrager bøjd</name>,  
og paa dend væstere Siide hænger det med  
<name type="place" xml:id="Schn1_20414">Selboe hovet Sogn</name>  
Sammen ved en Skoug;  
</p>
```

Import spatial information 2

```
<p xml:id="Sc1Place_d0e5263">
  <name xml:id="Sc1Place_id0274a" type="place">Brunsiøflinten</name>
  <ref xml:id="Sc1Place_d0e5268" type="page">105, 108, 110 f. 116,
    122, 129, 142, 146</ref> =
  <name xml:id="Sc1Place_d0e5273" type="place">Brinnsjö-flinten</name>(?) i
  <name xml:id="Sc1Place_d0e5278" type="place">Jämtland</name>, eller
  <name xml:id="Sc1Place_d0e5281" type="place">Flinten</name>,
  <ref xml:id="Sc1Place_d0e5286" type="citation" target="#lopenr5800003">59</ref>
  <name xml:id="Sc1Place_d0e5289" type="place">Hotagen</name> NAU.
</p>
```

Write in spatial information 1

GeoModelText version 0.9.5

File Text Table Persons Places Coref Visualisation Node types Paras

Model tool

Landskabet væsten for Nyebyggerne her er Gran- og biercke-Skoug med Fielde, og har jngen bønder til Naboer, førend 8te Miile der fra i Væster Harrans-bøjd i overhaldens Præstegield: Dog holde her jmellem endeel Lap Finner til.

Schn1_42735 Start on page 142

Row	Node ID	Node type	Node content	coref ID
0	person378	speaker	Povel (Pouel) Olsen	person378
1	Schn1_42740	name: place	Harrans-bøjd	Sc1Place_id0775a
2	Schn1_42745	name: place	overhaldens Præstegield	Sc1Place_id1763a
3	node288	rs: place	Nyebyggerne her	node286

Link ID	Link type	From	To
link695	part-of	Schn1_42740	Schn1_42745
link696	direction: west	node288	Schn1_42740
link697	distance: 8te Miile	node288	Schn1_42740

Write in spatial information 2

File Text Table Persons Places Coref Visualisation Node types Paras

Coref tool

Property tool

Added nodes tool

Node ID	coref ID	Page	Size	Node content ▲	Context
Schn1_52095	Sc1Place_id0086a	174	250	Amberfields	
Schn1_55346	Sc1Place_id0086a	187	111	Amber-Grendse-Field	
Schn1_52202	Schn1_52202	174	1539	Amber- og Baanes-fielde	
Schn1_100156	Sc1Place_id0088a	340	255	Ambonæss	
Schn1_100162	Sc1Place_id0088a	340	725	Ambonæss	
Schn1_100183	Sc1Place_id0088a	340	725	Ambonæss	
Schn1_100269	Sc1Place_id0088a	340	431	Ambonæss	
Schn1_103632	Sc1Place_id0088a	351	257	Ambonæss	
Schn1_88570	Schn1_88570	300	245	Anar	
Schn1_96487	Schn1_96487	326	393	Anar	
Schn1_103707	Sc1Place_id0091a	351	183	Anar-jaure	
Schn1_105490	Sc1Place_id0091a	358	659	Anar-jaure	

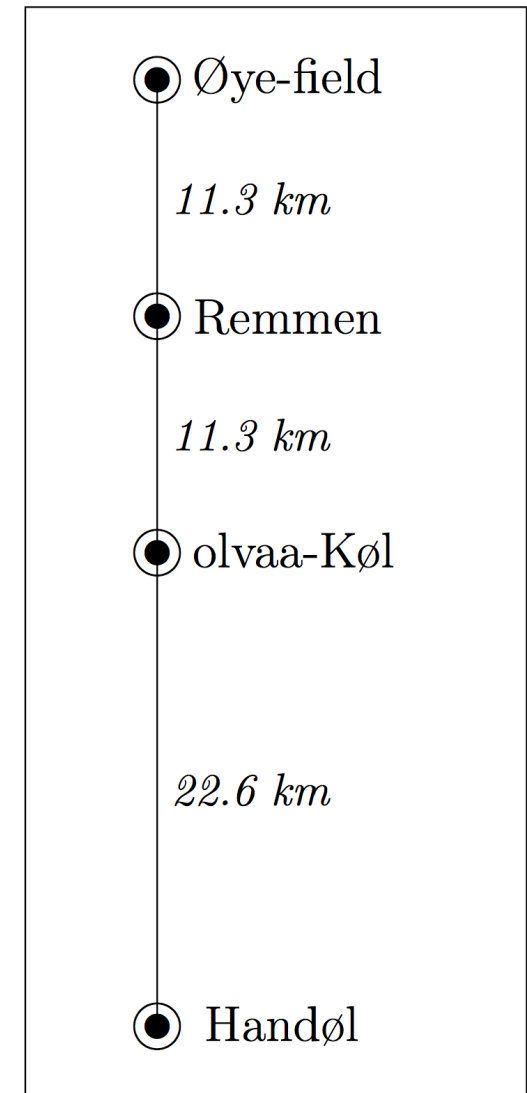
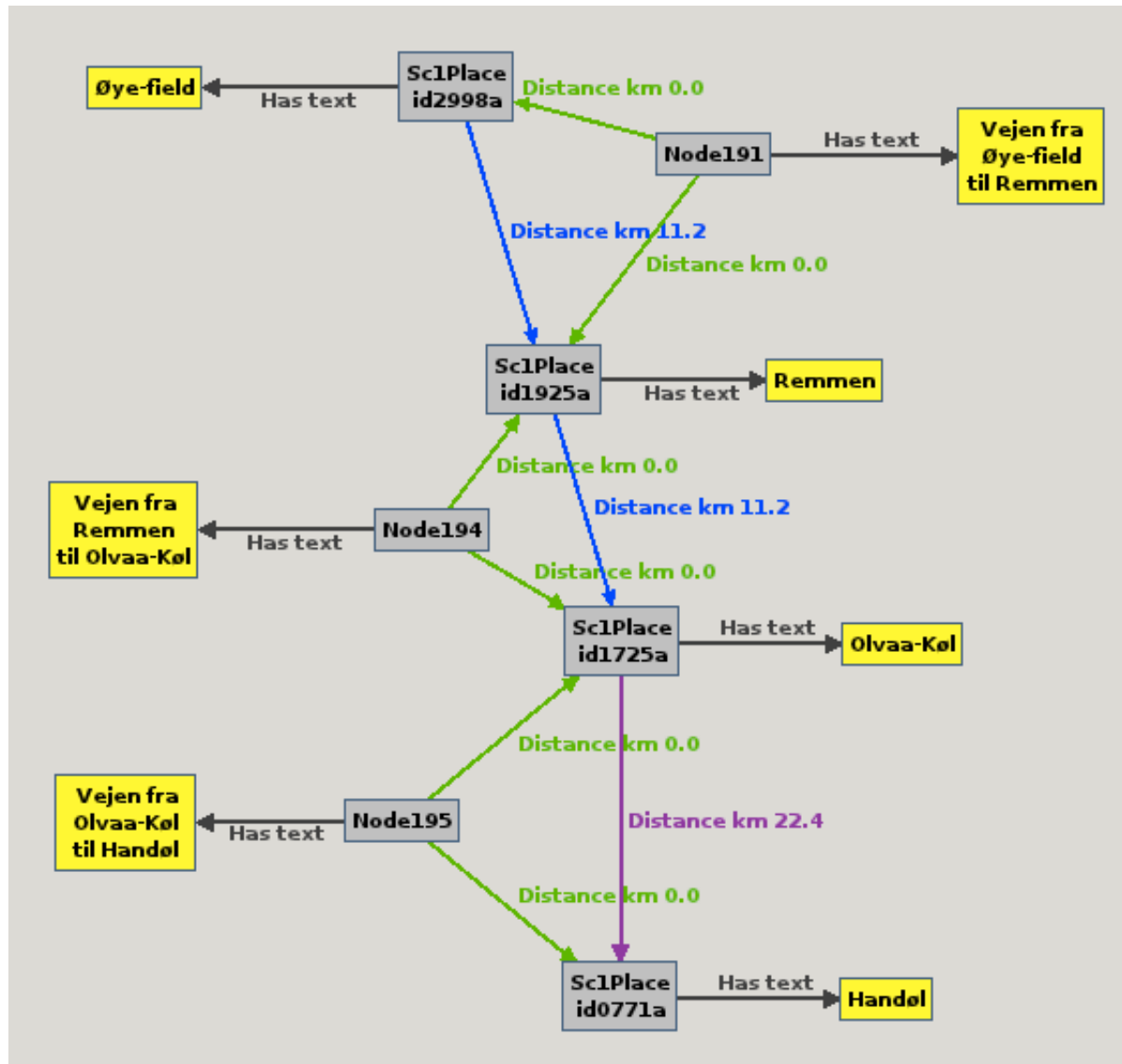
Place ID	#	Place name ▲	Paragraph text
Sc1Place_id0086a	0	Am(b)er-Field	Am(b)er-Field 174; Amber-Grendse- Field 187 = Ammarfjället, 25 Nasafjäll SAU.
Sc1Place_id0088a	0	Ambonæss	Ambonæss 340, 351, neset mellom Bunes og Burnes(?), Varanger, Z 4, 10 Nesseby.
Sc1Place_id0089a	0	Anar (Indiager)	Anar (Indiager), Anar-Bye 300, 318, 326 = Enare, finsk A 5.
Sc1Place_id0089b	1	Anar-Bye	Anar (Indiager), Anar-Bye 300, 318, 326 = Enare, finsk A 5.
Sc1Place_id0090a	0	Anar-elv	Anar-elv 304 = Indiager-Elv = Anarjokka (Øvre Tanaelv), V 8 Noarva#scaron; SAU og finsk A 3.4.
Sc1Place_id0091a	0	Anar-jaure	Anar-jaure 351, 358 = Inarijärvi, finsk A 5.
Sc1Place_id0092a	0	Anar-Sid(ast)	Anar-Sid(ast) 330, 358, 360 = Anar-Bye, se Anar.
Sc1Place_id0093a	0	Andenes Fogderie	Andenes Fogderie 177.
Sc1Place_id0094a	0	Andersbye	Andersbye, Anders Bye 339, 416, Æ 4, 9 Vadsø.

Using spatial information 1

“Underspecification exist in a verbal text describing a spatial phenomenon in a way that can be understood as two or more significantly different phenomena by a competent reader, thus, an ambiguity stemming from a lack of information.”



Using spatial information 2



Thank you!

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