

PhUSE Conference

Are you out of your mind? CDISC mapping using a mind mapping tool

16th of October 2013

Johannes Ulander

Standardisation and CDISC
Specialist
S-Cubed Denmark

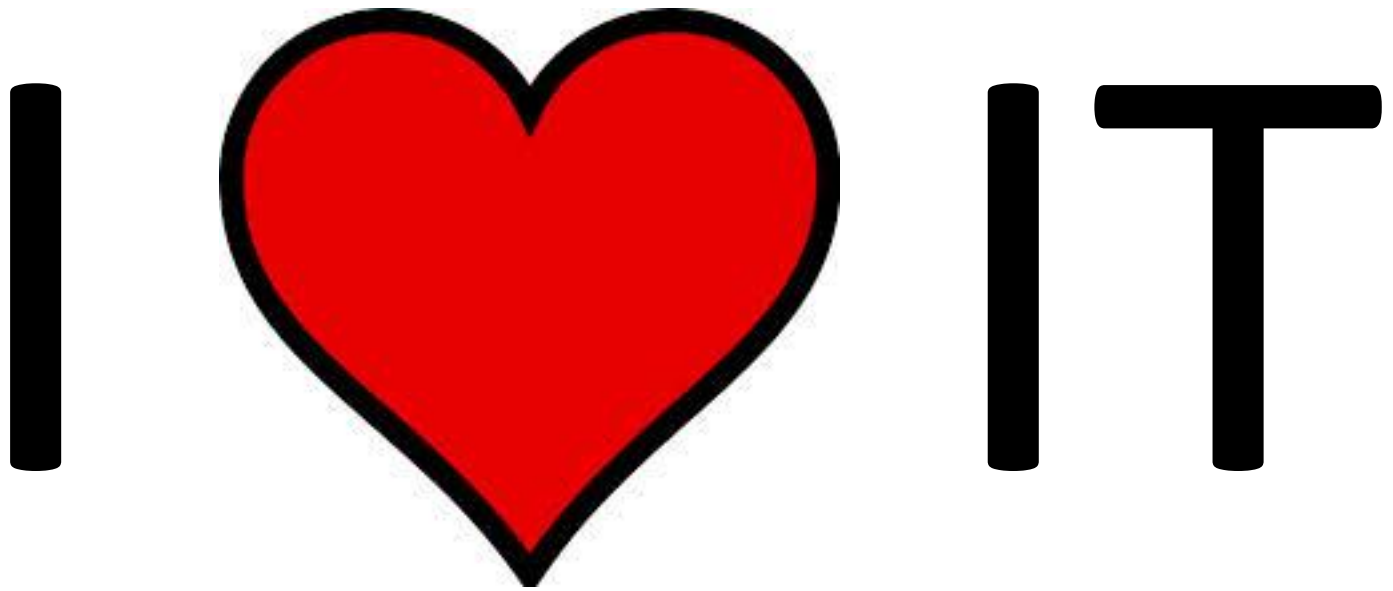
Niels Both

Standardisation and
Harmonisation specialist
S-Cubed Denmark



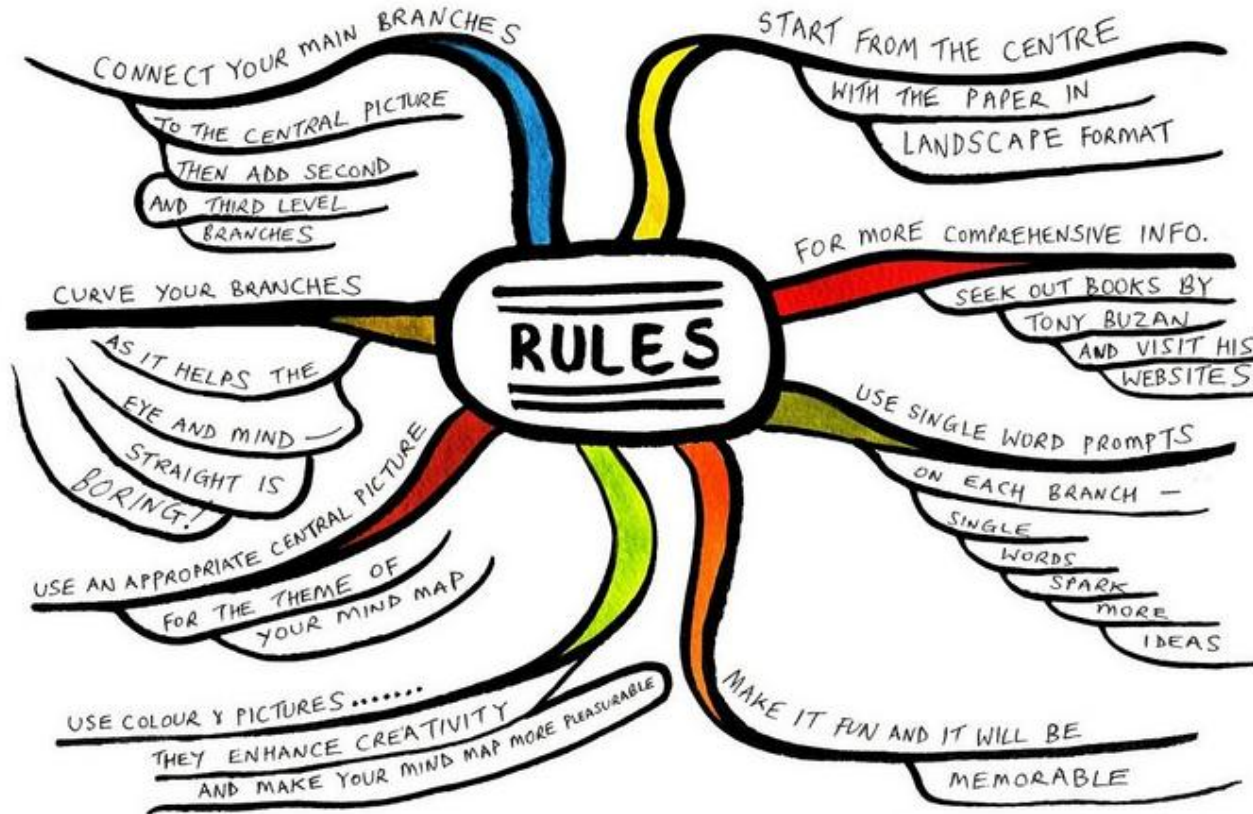
- Why mind mapping ?
- What is mind mapping ?
- Visualizing CDISC standards in a mind map
- Visible programming
- Using the technology
- Summary





Psst. IT = Information Technology

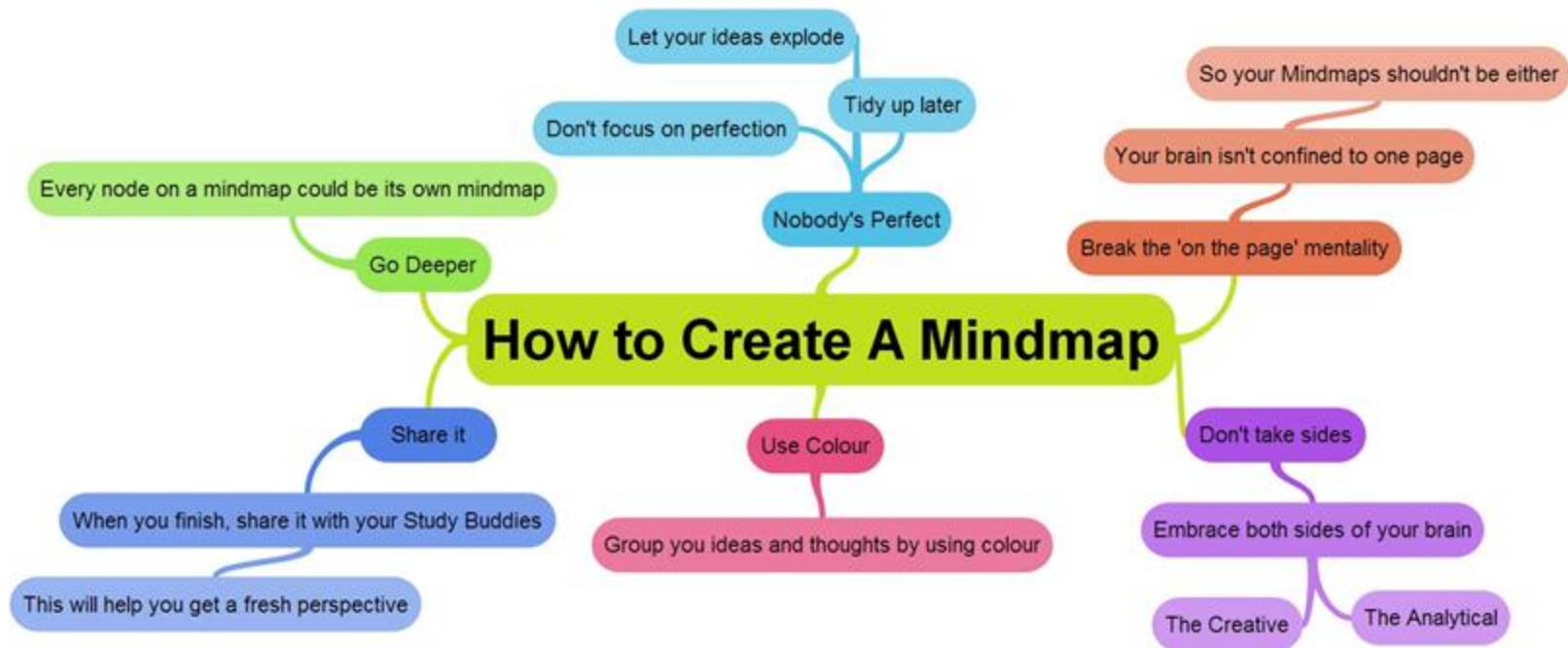
What is mind mapping ?



© Paul Foreman <http://www.mindmapinspiration.com>

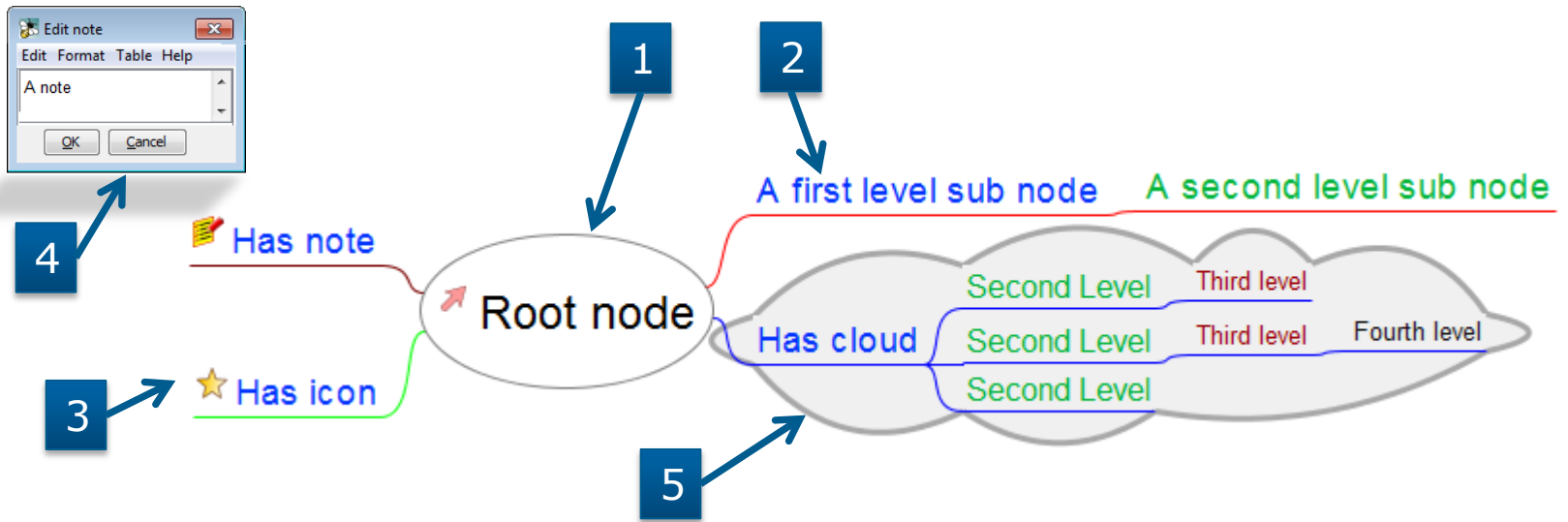
The Classic

What is mind mapping ?



The Electronic

What is mind mapping ?



What is mind mapping ?

It has an implicit structure

+

Everything else is up to you to define

=

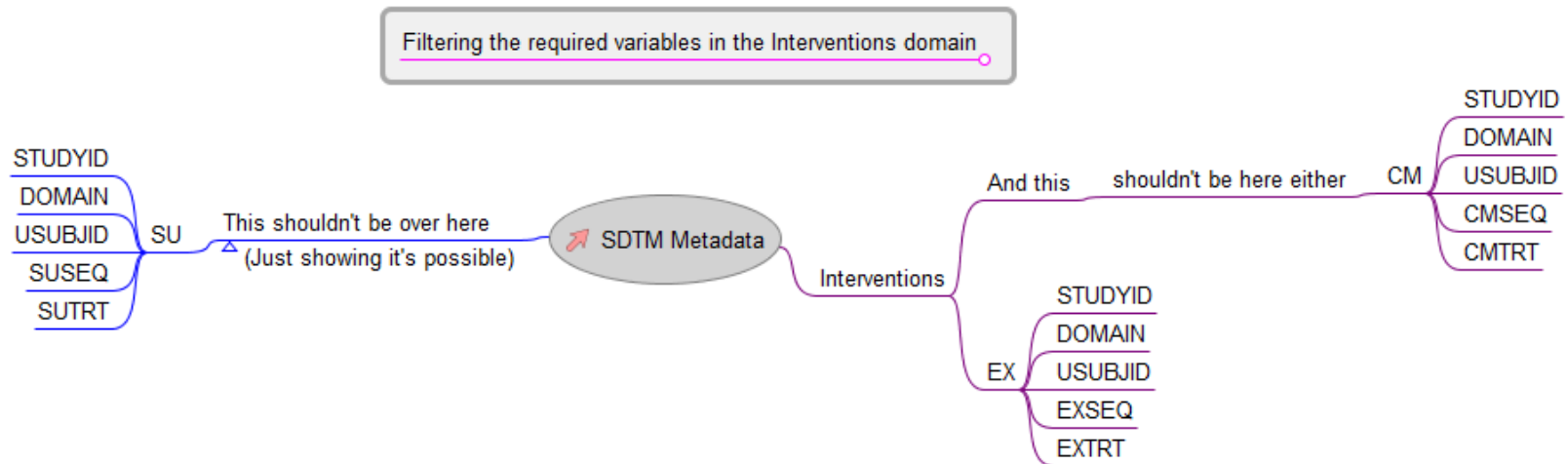
Controlled



freedom!!

The perfect match?

Visualizing CDISC standards in a mind map



Visualizing CDISC standards in a mind map

STUDYID

DOMAIN

USUBJID

CM

Seq	3
Observatio...	Interventi...
Domain	CM
Variable na...	USUBJID
Variable na...	USUBJID
Variable label	Unique Su...
Type	Char
CT	
Role	Identifier
SDTMCore	Req
Source	SDTM v1.3

CMSEQ

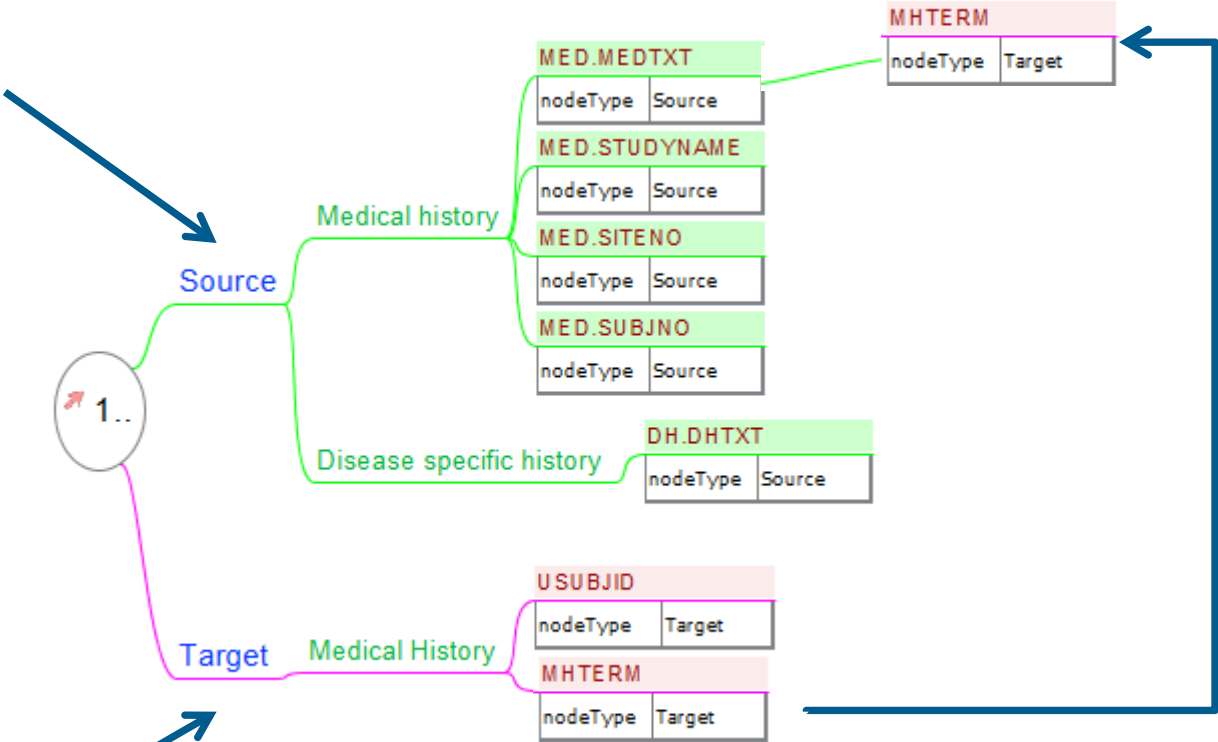
CMTRT

Visualizing CDISC standards in a mind map

```
<node TEXT="USUBJID" ID="ID_1867308046" CREATED="1377797330782">  
  <attribute NAME="Seq" VALUE="3"/>  
  <attribute NAME="Observation class" VALUE="Interventions"/>  
  <attribute NAME="Domain" VALUE="CM"/>  
  <attribute NAME="Variable name short" VALUE="USUBJID"/>  
  <attribute NAME="Variable name" VALUE="USUBJID"/>  
  <attribute NAME="Variable label" VALUE="Unique Subject Identifier"/>  
  <attribute NAME="Type" VALUE="Char"/>  
  <attribute NAME="CT" VALUE=""/>  
  <attribute NAME="Role" VALUE="Identifier"/>  
  <attribute NAME="SDTMCore" VALUE="Req"/>  
  <attribute NAME="Source" VALUE="SDTM v1.3"/>  
</node>
```

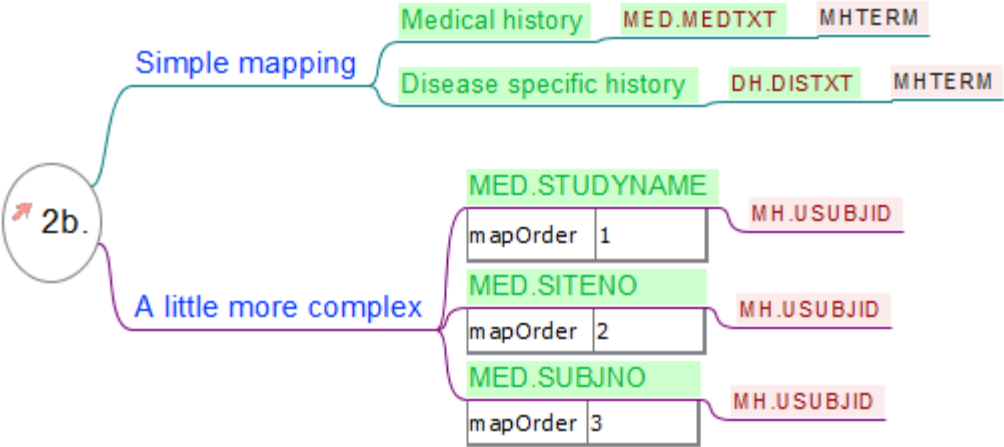
Visible programming

Source variables

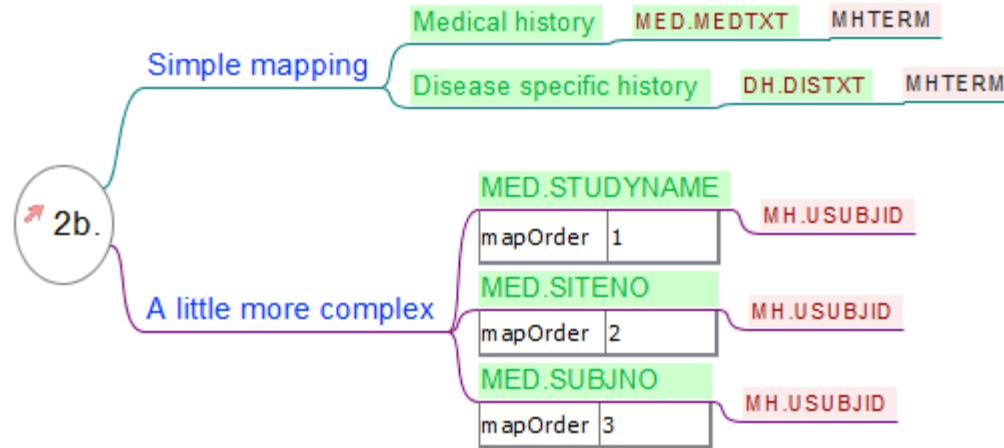


Target variables

Visible programming



Visible programming



```
def usubjid = c.find{ it.text=="MH.USUBJID" }.parent.text.join("/")
```

```
usubjid      = MED.STUDYNAME/MED.SITENO/MED.SUBJNO
```

Using the technology

- Standards management questions:
 - What else maps to this target ?
 - Have we created such a variable or supplemental qualifier before ?
 - How did we map that CRF page ?
 - How often do we use that variable ?
 - Is that part of the domain ?



Summary

- It is possible to use mind mapping to
 - Visualise CDISC standards
 - Generate CDISC standards and metadata
 - Combine it with other tools
- It has great potential
- Go try it out!

Thank you

Johannes Ulander
Standardisation and CDISC
Specialist
S-Cubed Denmark

Niels Both
Standardisation and
Harmonisation specialist
S-Cubed Denmark