

Why not scoping Subject Identifiers?

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*Automatische
Sprachverarbeitung*

Subject Identity is perspective dependent



Subject Identity

From the child's perspective: („Elgs are sweet.“)

I caught always the same Subject, an elg.

From the zoologist's perspective: („Elgs are loners.“)

I caught two deers and three elgs.

From the ranger's perspective: („Bernd needs a cow“)

I caught Lisa, Ud (fighting), and Bernd (in summer, in winter and as calf).

Decision about Subject Identity is a perspective dependent process under uncertainty whether Subject Stages caught at different occassions belong to the same Subject.

Childs perspective



[subject identifiers]=
{
 ns1:elg
}

[subject identifiers]=
{
 ns1:elg
}

[subject identifiers]=
{
 ns1:elg
}

[subject identifiers]=
{
 ns1:elg
}

merging
(according TMDM)

[subject identifiers]= {ns1:elg}

Rangers perspective



[subject identifiers]=
ns2:lisa
}



[subject identifiers]= {
ns2:bernd
}

[subject identifiers]= {
ns2:bernd
}

[subject identifiers]= {
ns2:bernd
}

[subject identifiers]= {
ns2:ud
}



merging
(according TMDM)

[subject identifiers] = {ns2:bernd}

Scoping Subject Identifiers



```
[subject identifiers]=  
{  
  ns2:lisa / ranger,  
  ns1:elg / child  
}
```



```
[subject identifiers]=  
{  
  ns2:bernd / ranger,  
  ns1:elg / child  
}
```



```
[subject identifiers]=  
{  
  ns2:bernd / ranger,  
  ns1:elg / child  
}
```



```
[subject identifiers]=  
{  
  ns2:bernd / ranger,  
  ns1:elg / child  
}
```



```
[subject identifiers]=  
{  
  ns2:ud / ranger,  
  ns1:elg / child  
}
```



**And now merging depends on the
context (perspective)
which is switched on!**

... and we wonder why there are no scopes for Subject Identifiers!