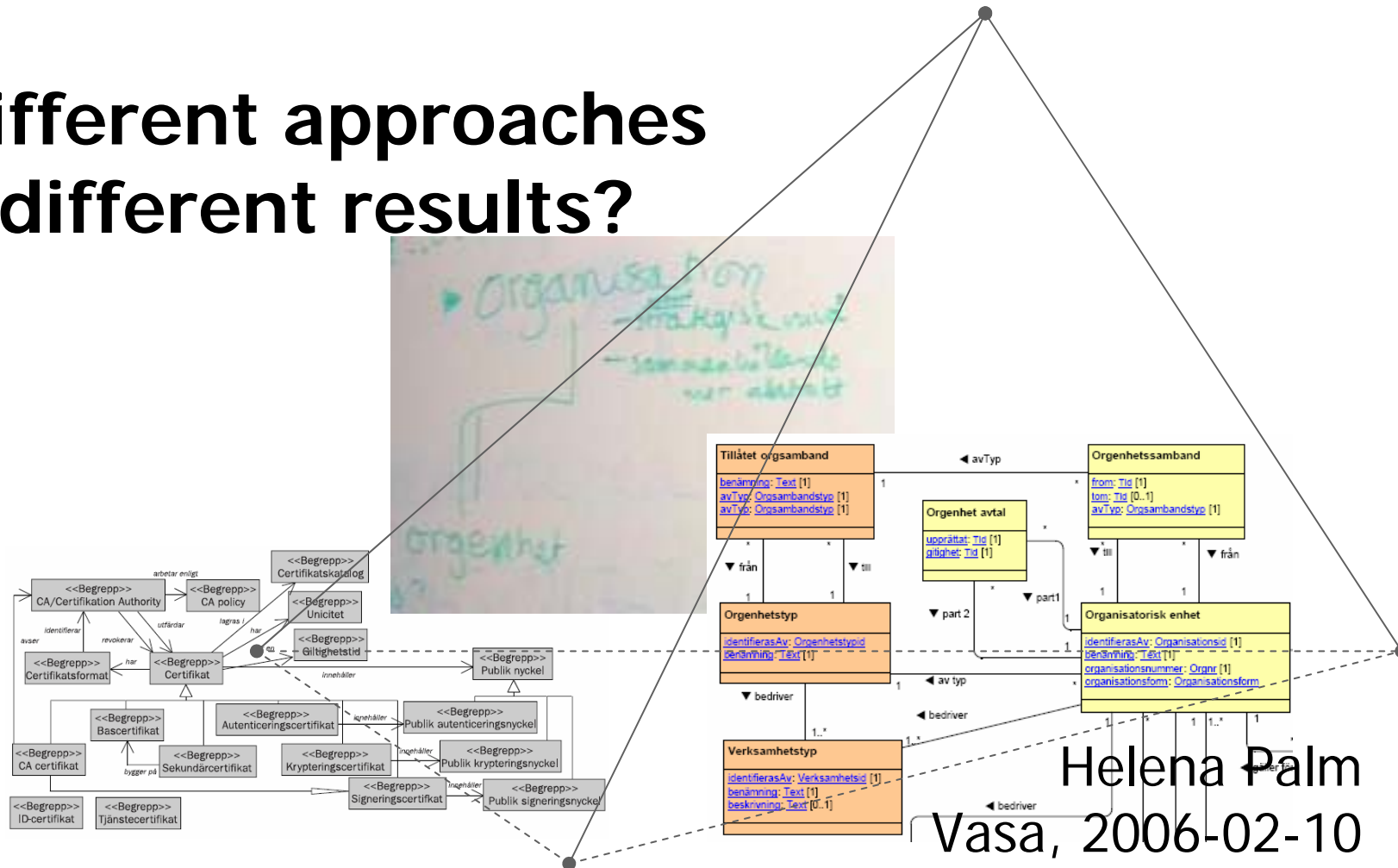


# Different approaches – different results?



Helena Palm  
Vasa, 2006-02-10

# What is "define the concepts"?

health record → **definition, contents**

EHR = Electronic Health Record → **abbreviation**

certificate → **definition, rules**

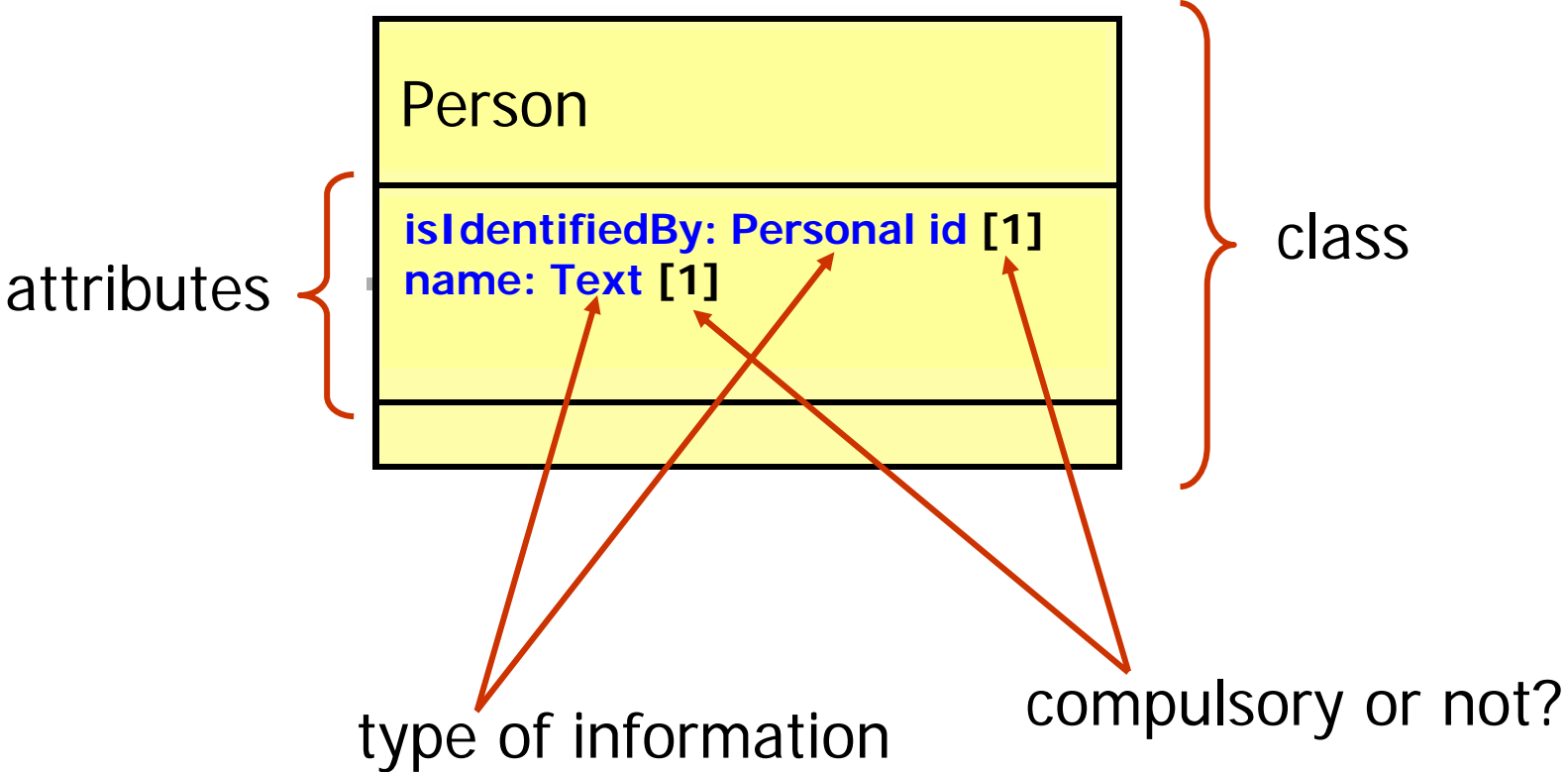
person → **information**

date → **structure**

document type → **classification**

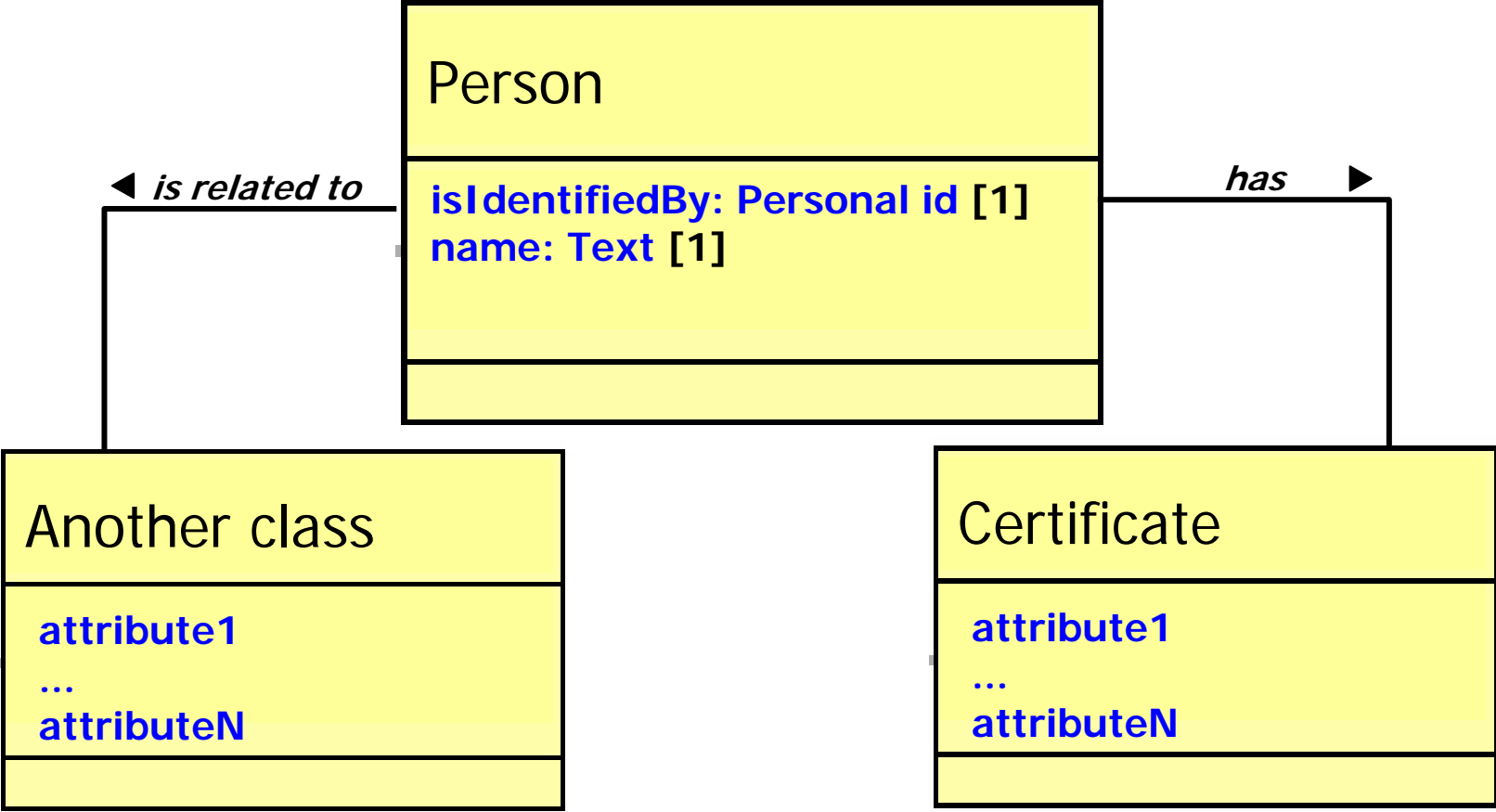
# Information modelling

person



# Information modelling

person



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# Terminology work

certificate

**First question:** What is a certificate (in information security)?

a document?      an attestation?

a data unity?      a file?

a piece of information?

**superordinate  
concept**

**Second question:** How does a certificate differ from other attestations/documents/data unities/files/pieces of information?

**delimiting  
characteristics**

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# Definition

**superordinate  
concept**

**certificate**

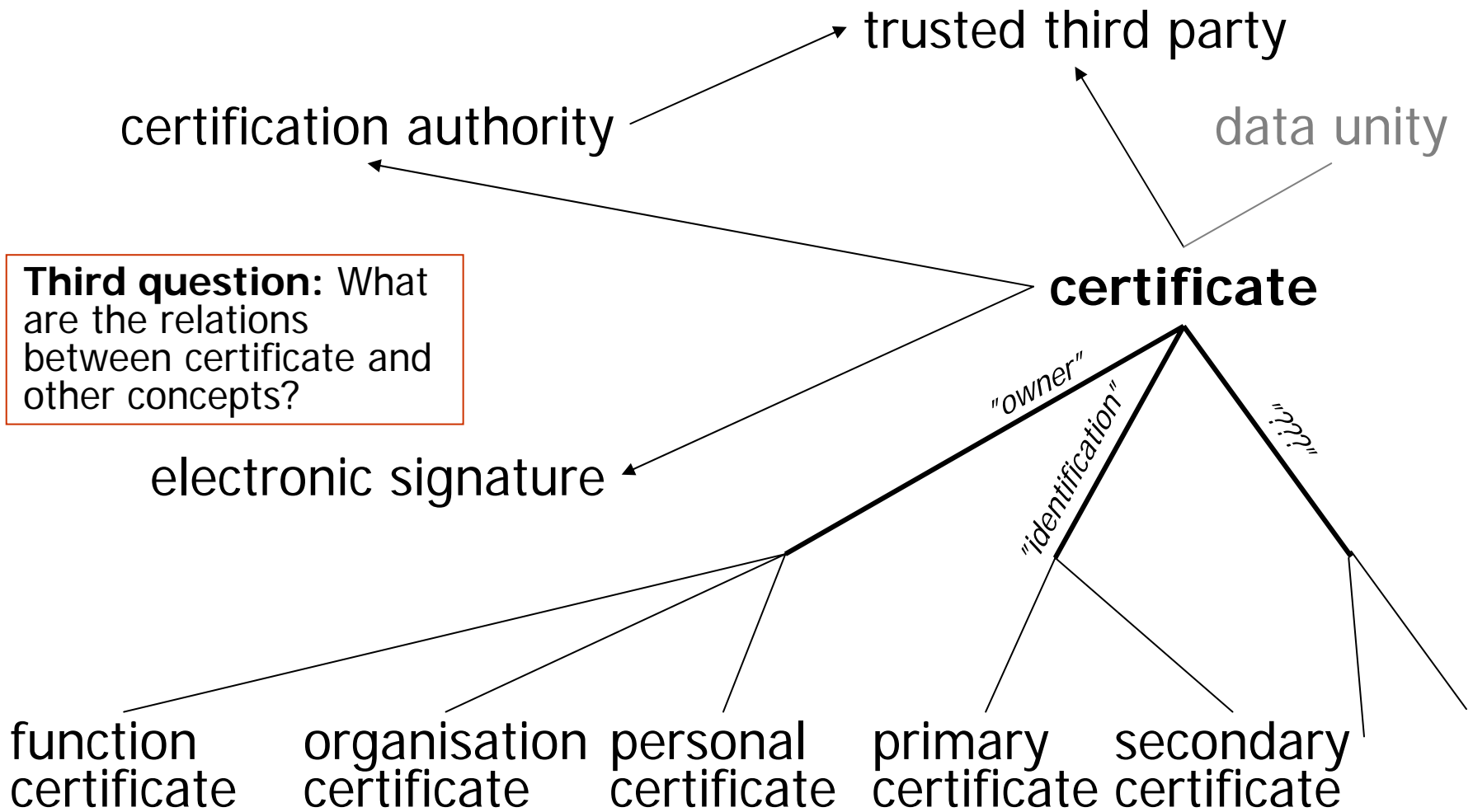
**data unity** signed electronically  
by a *trusted third party* or  
*certification authority* which  
confirms that the identifier  
used in an *electronic signature*  
belongs to a specific person or  
organization and is still valid

**delimiting  
characteristics**

From: TSK 29 Matkaviestinsanasto = Mobilordlista (2001)

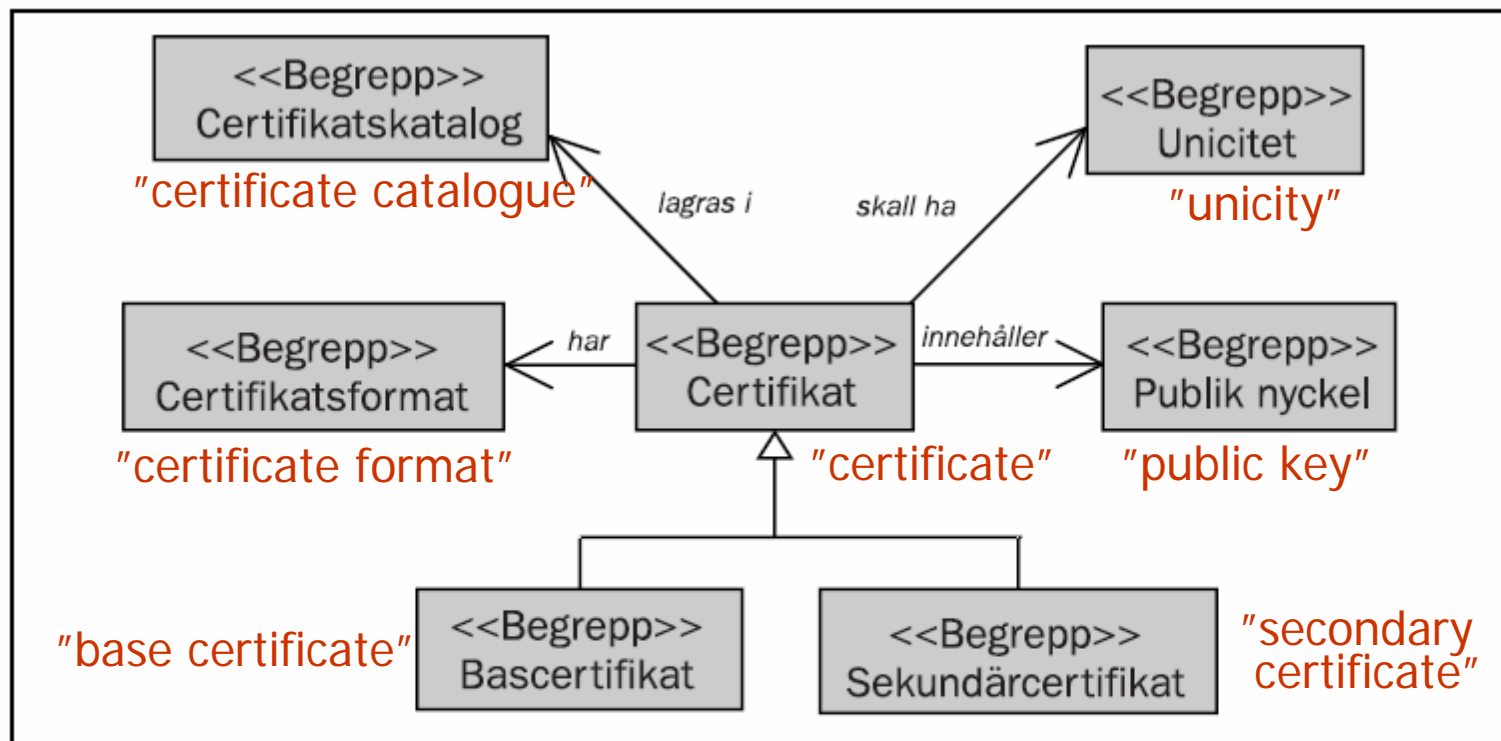
© Terminologikum TNC

# Terminology work



**Third question:** What are the relations between certificate and other concepts?

# Concept(ual) modelling



The diagram implies the following definition of **certificate**:

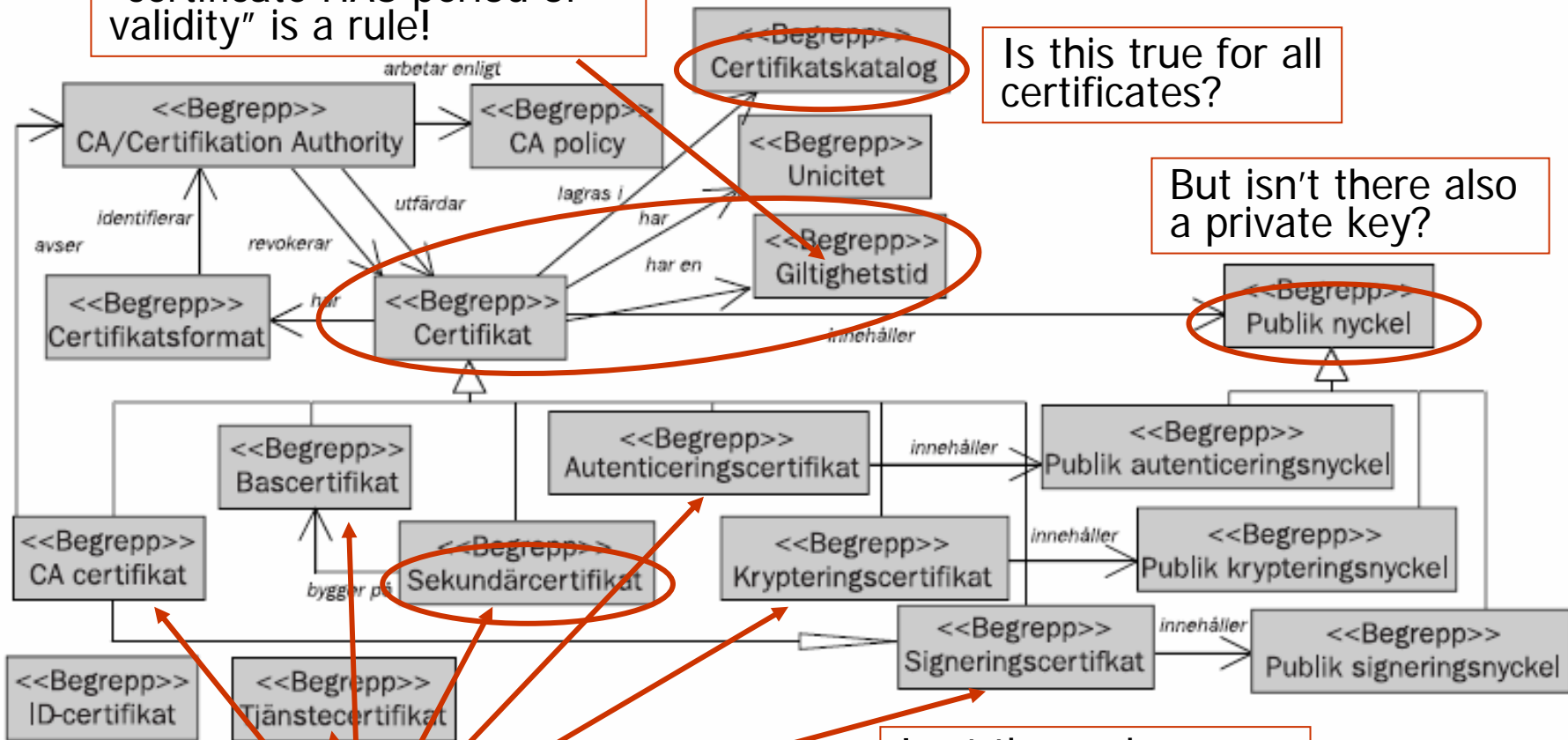
A **CERTIFICATE** has **CERTIFICATE FORMAT**, contains **PUBLIC KEY**, is stored in **CERTIFICATE CATALOGUE** and shall have **UNICITY**

From: [www.carelink.se](http://www.carelink.se)



# Thoughts about relations

"certificate HAS period of validity" is a rule!



Is this true for all certificates?

But isn't there also a private key?

Subdivision criteria?

Isn't there also a primary certificate? The same as base certificate?

## To sum up ...

**Information modelling:** information about concepts already known / defined

**Terminology work:** definitions to describe the concepts and their place in the concept system

**Concept modelling:** picture of concept relations in a business, but doesn't give sufficient details about the concepts

*N.B. Valid for the kind of concept modelling shown here!*