

Legal XML:

Documentalistic Times

*Friedrich Lachmayer, University of Innsbruck
23th September 2004, Kobaeck Strand*

**Von der
Verwaltungsinformatik
zum E-Government**

**Festschrift für
Arthur Winter**

ADV, 2004

office@adv.at

Monica Palmirani

→ **building terminology**

→ **building ontology**

**What is
„Time“ ?**

**What is
„Time“ ?**

a societal technique?

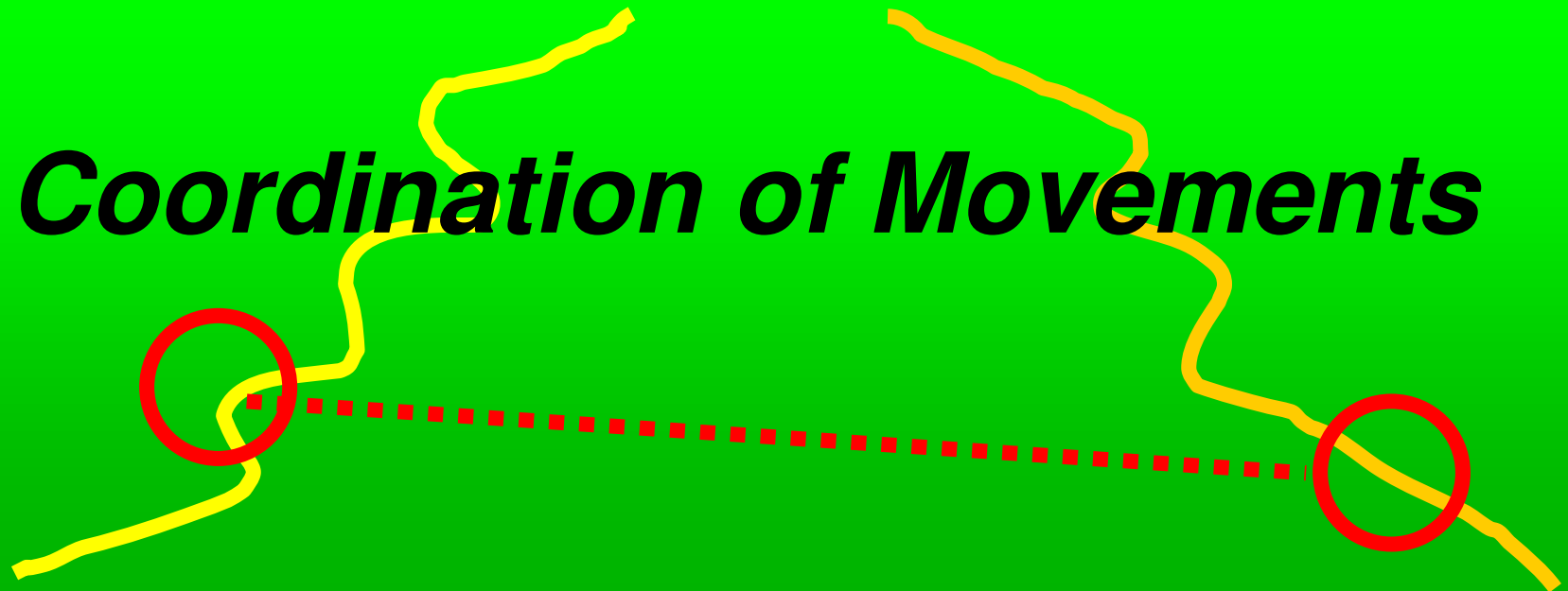
What is „Time“ ?

a societal technique?

a cognitive secret?

Time

Coordination of Movements



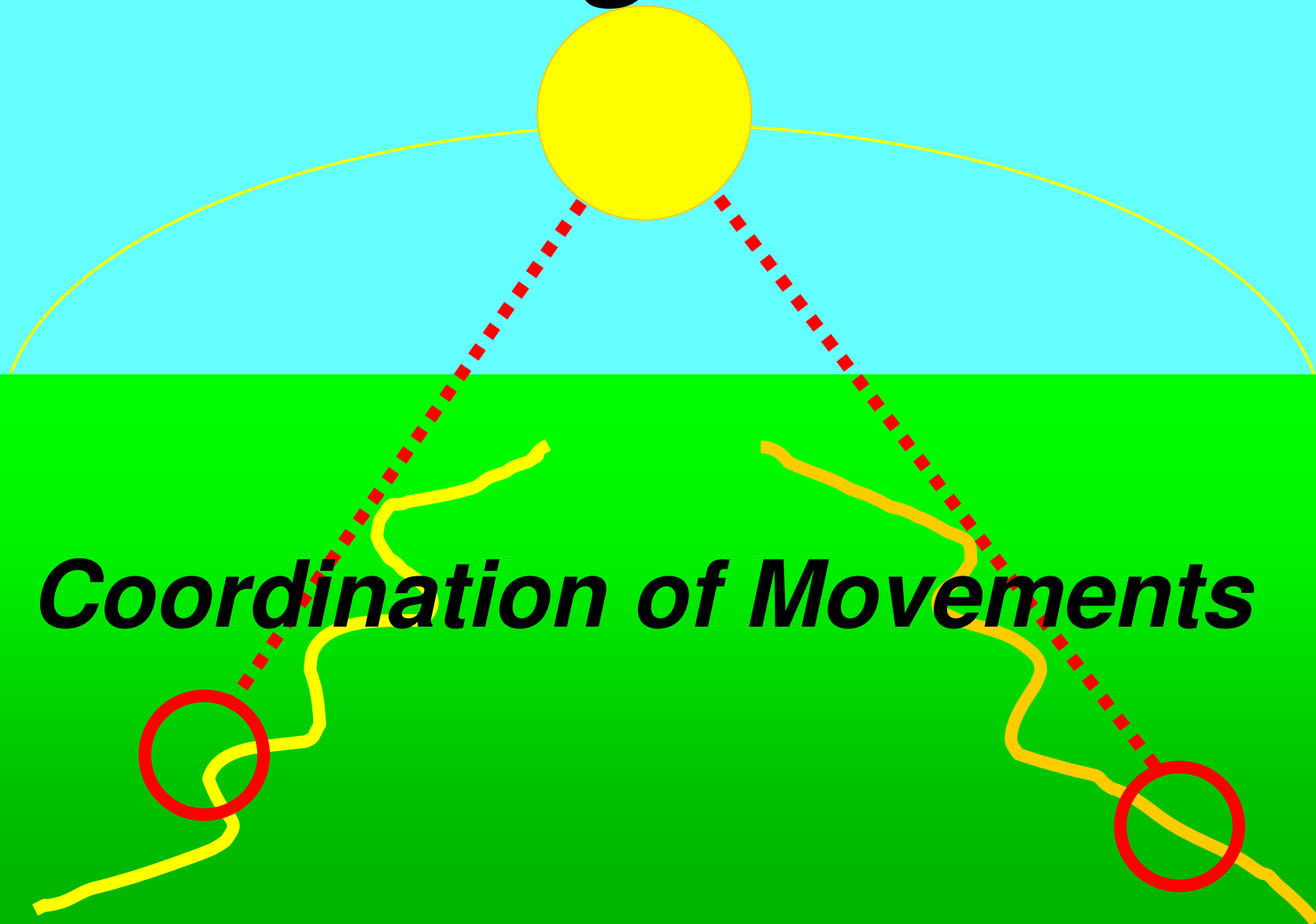
Situative Time

„in time“

Coordination of Movements



Chronological Time



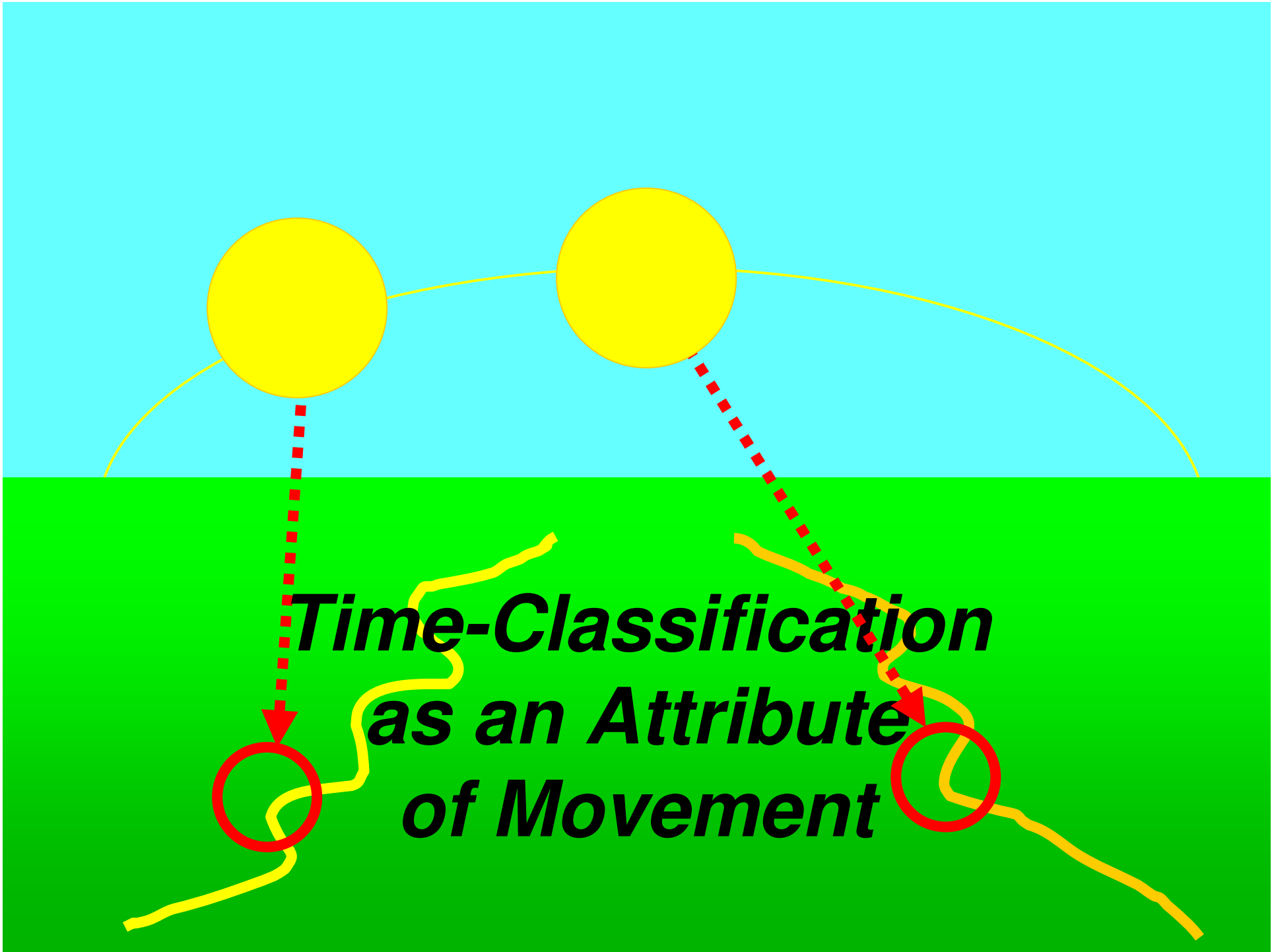
Coordination of Movements

Chronological Time

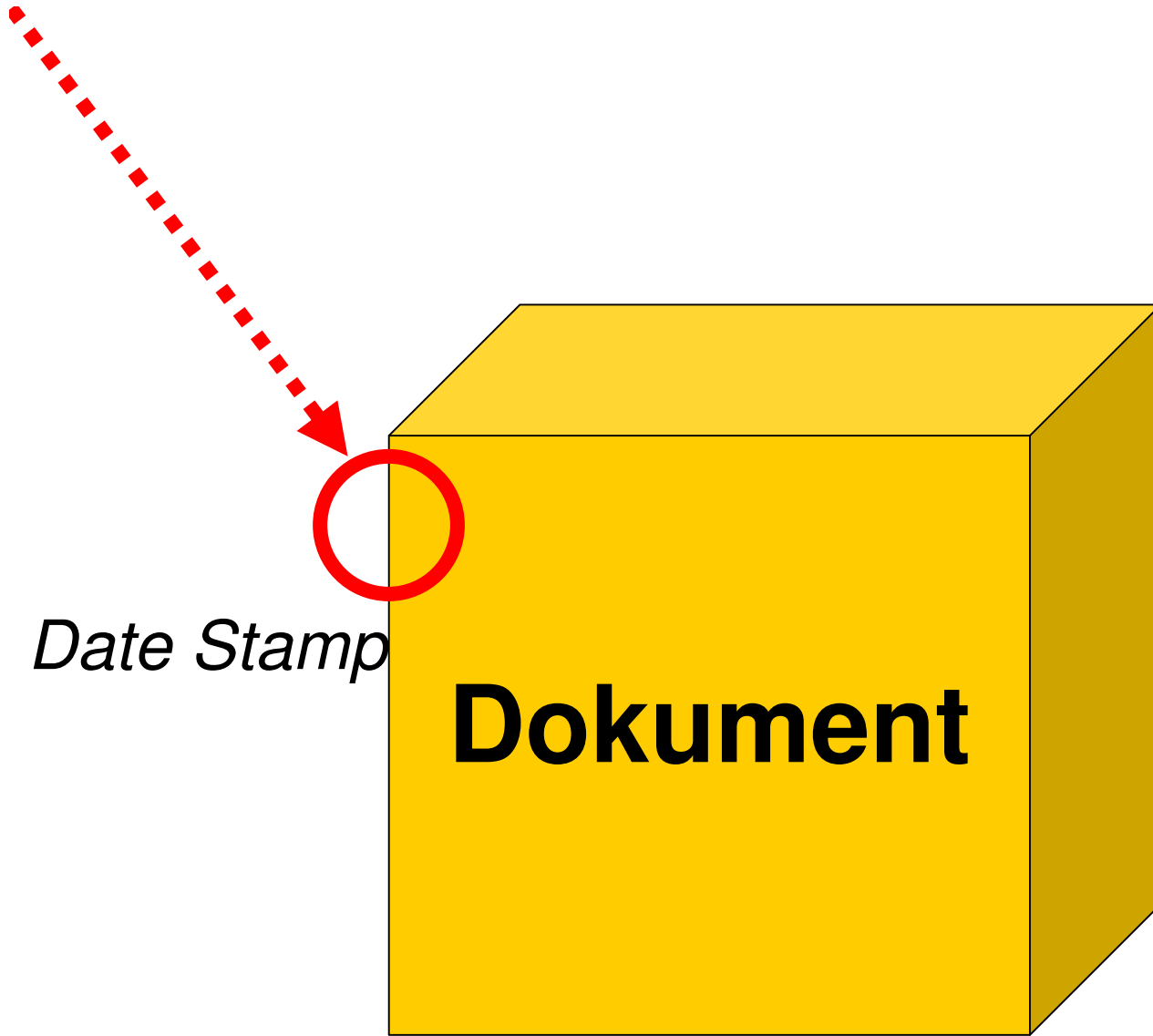


***by a „Third“:
TERTIUM COMPARATIONIS***

Coordination of Movements



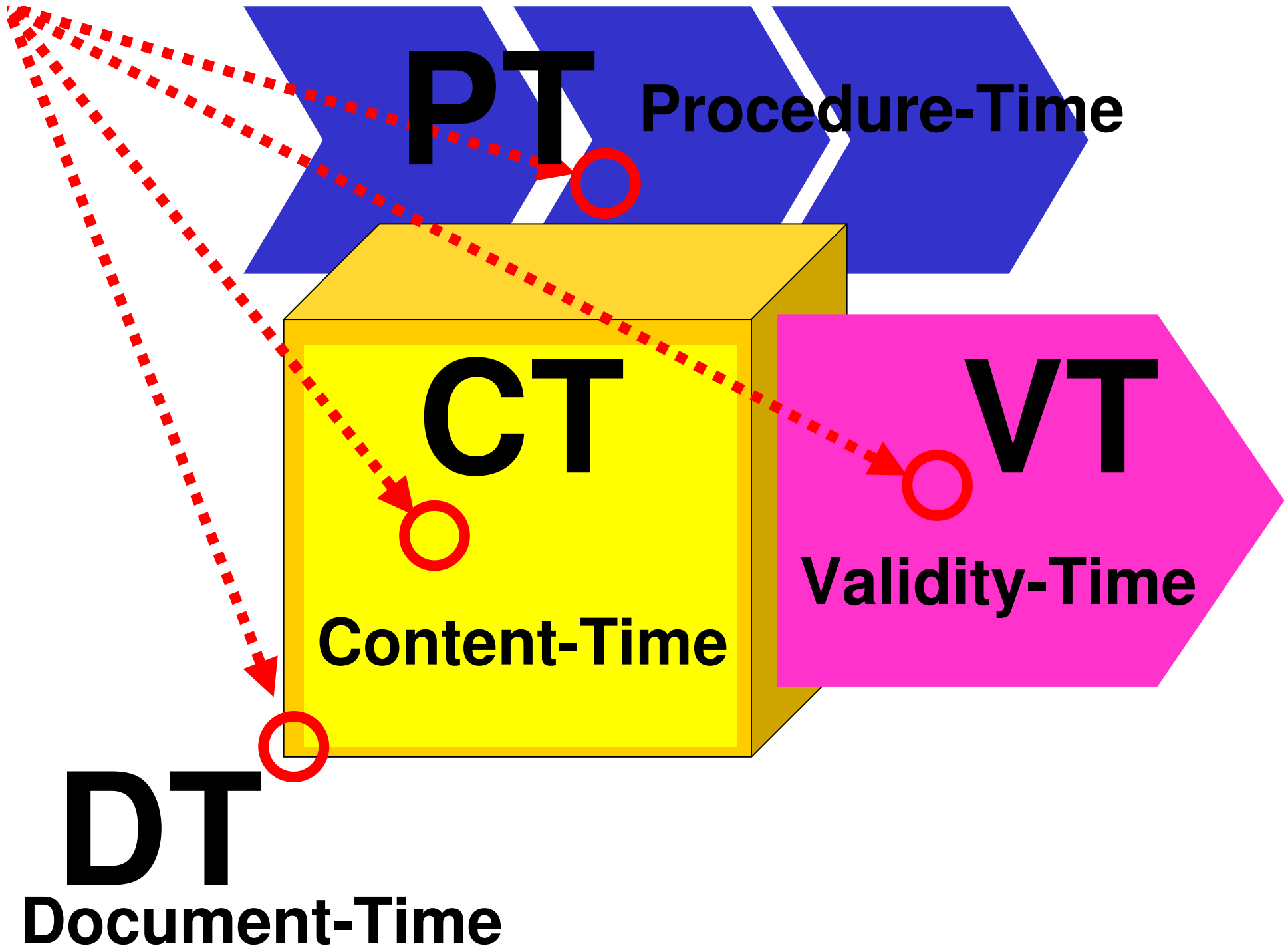
***Time-Classification
as an Attribute
of Movement***



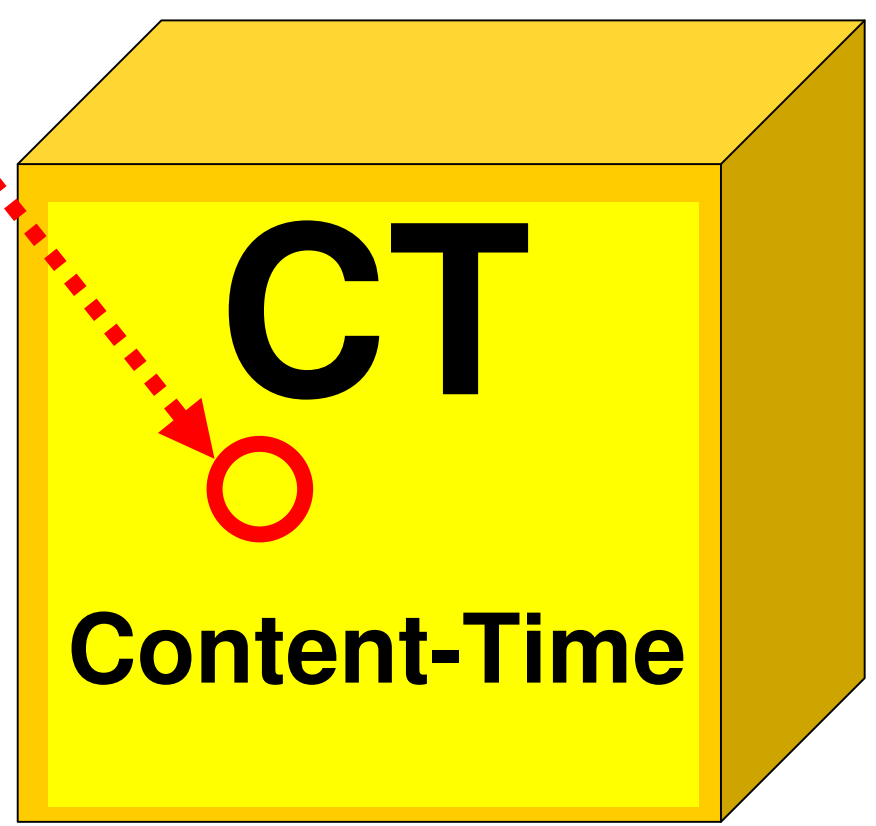
Date Stamp

Dokument

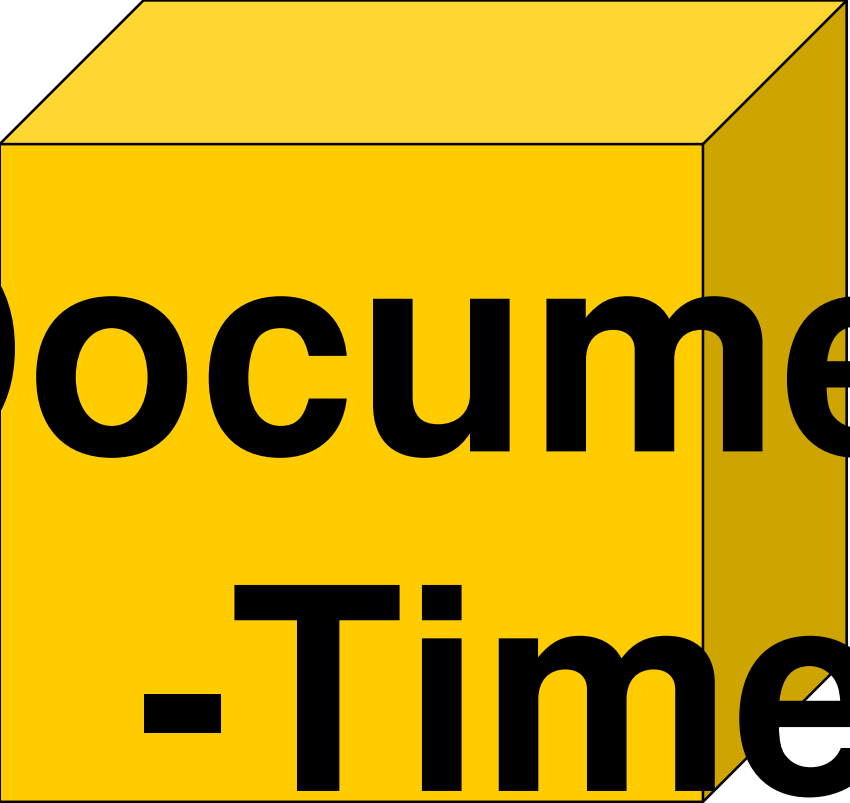
4 Concepts of Legal Time



2.

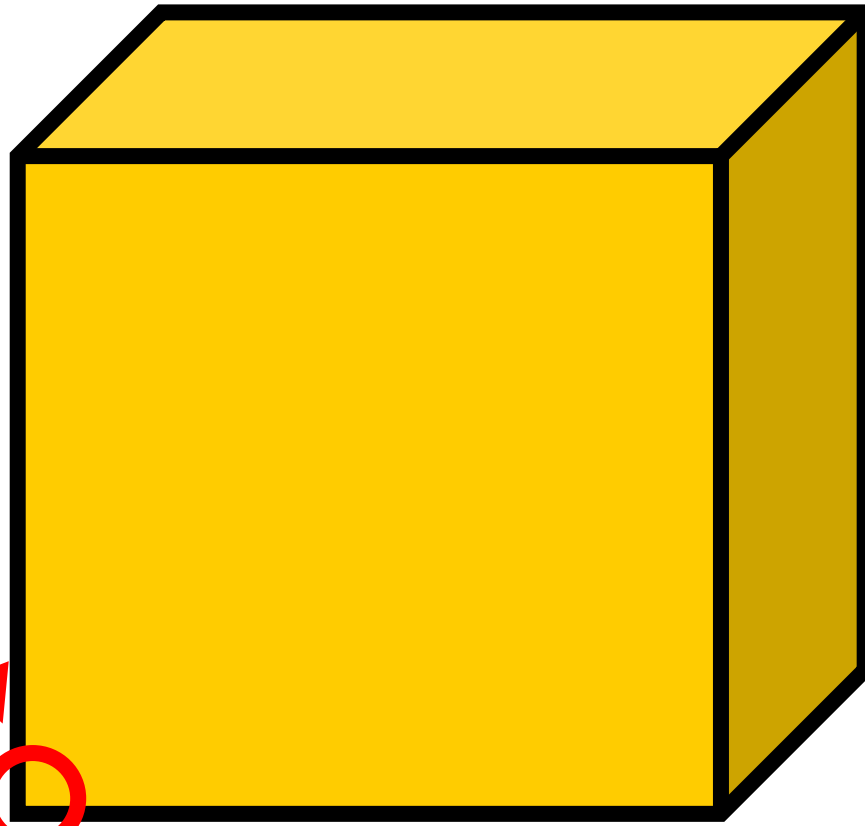


1.

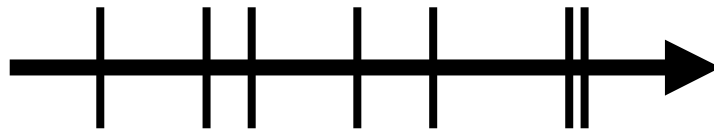


**Document
- Time**

1.

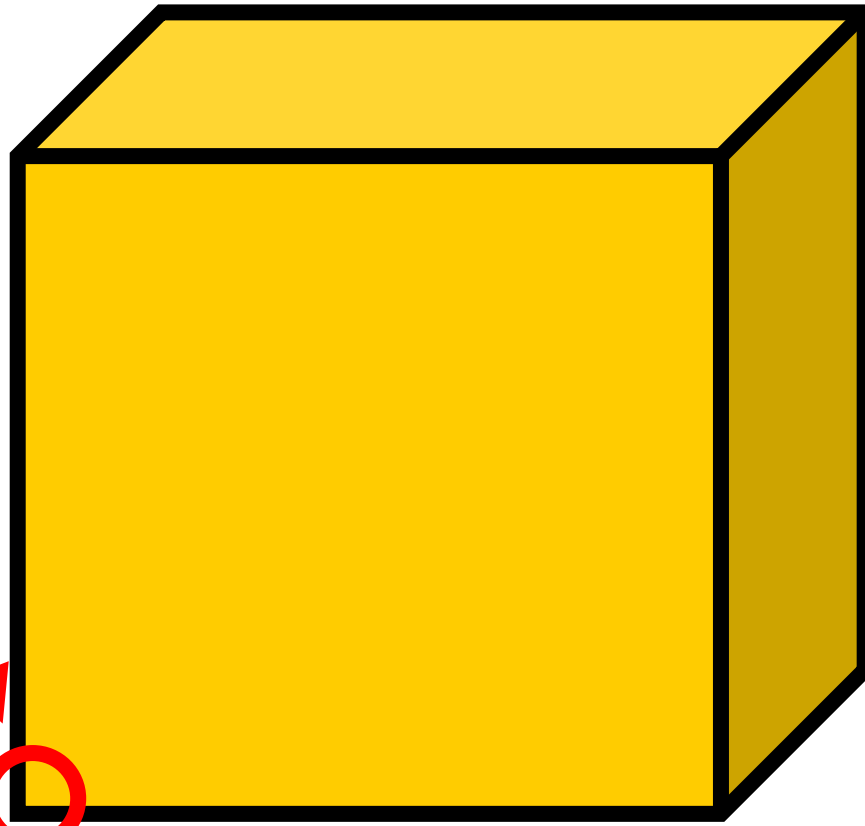


DT



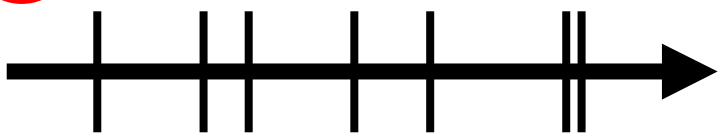
Document-Time

1.

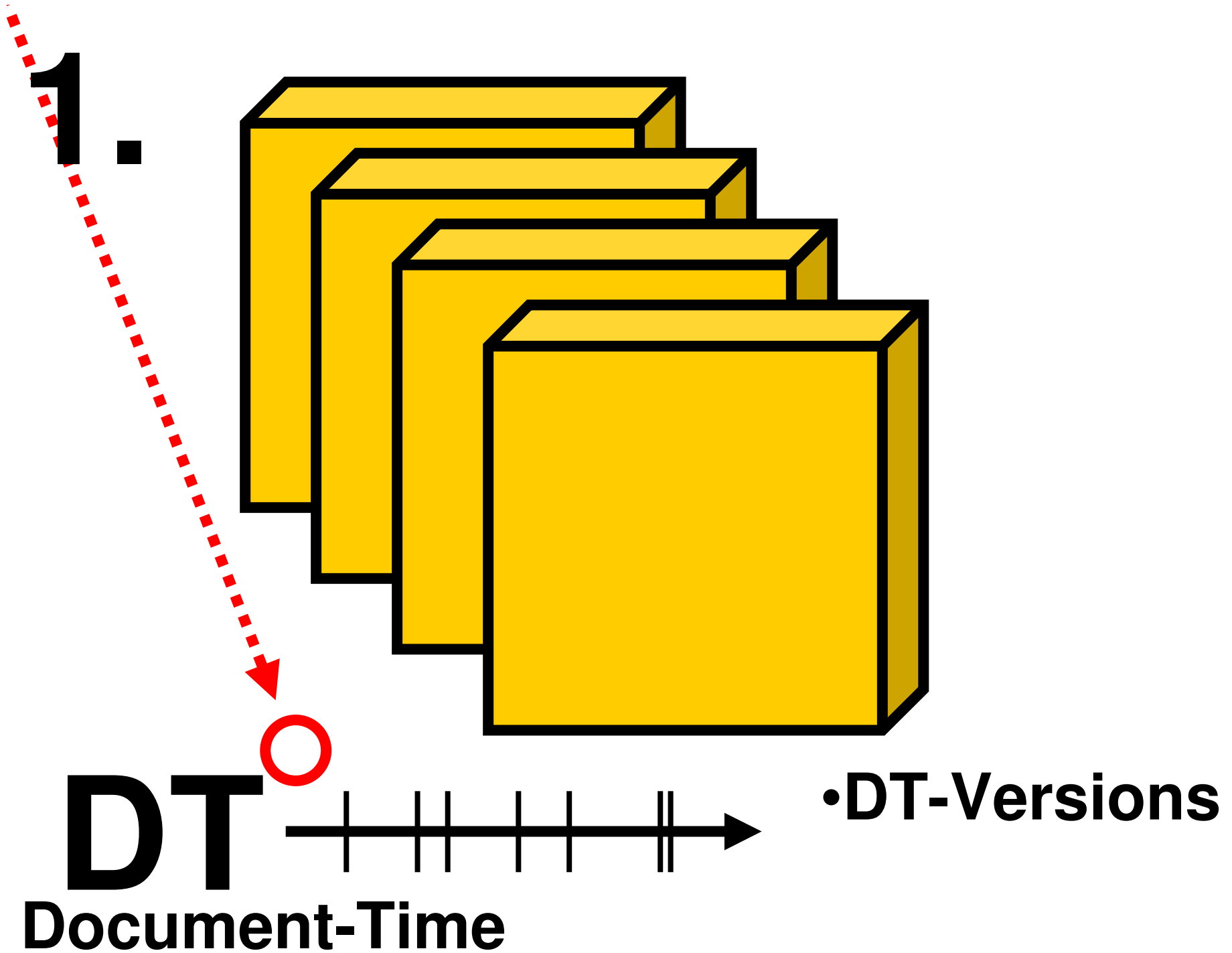


DT

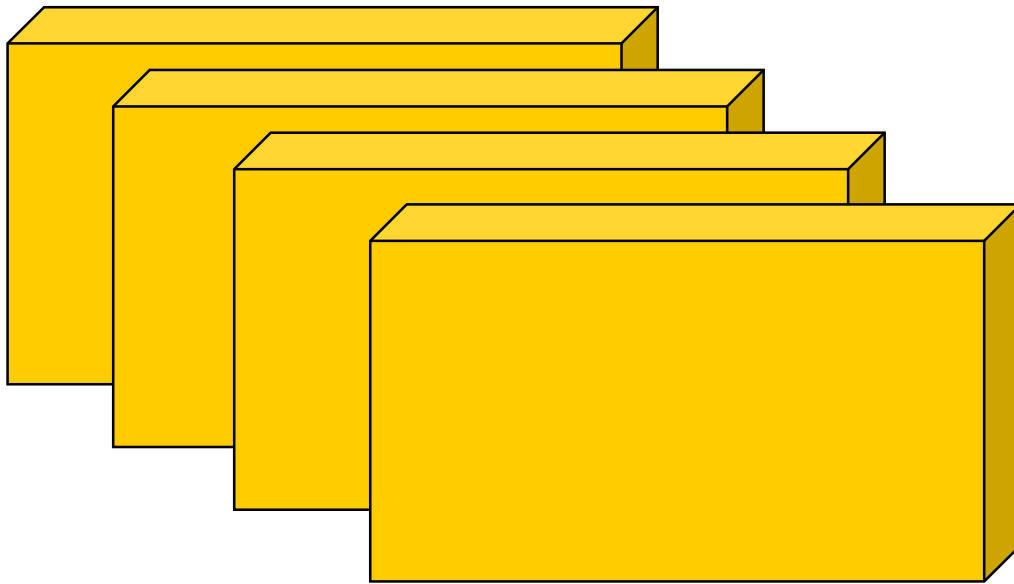
Document-Time



- DT-Creation
- DT-Version
- DT-Amendment
- DT-Load in DB



1.

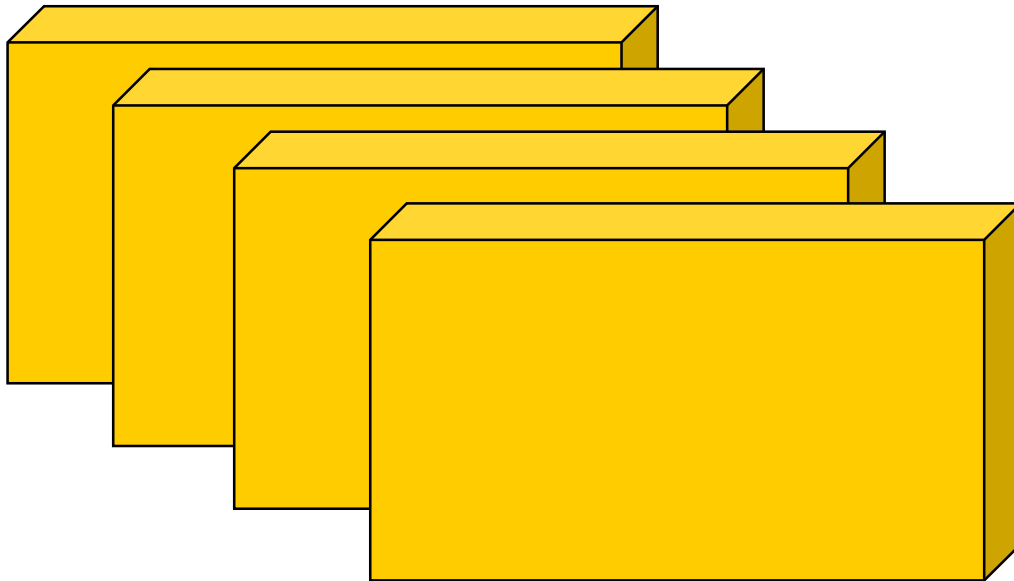


versions of the textual substratum

1.

„intellectual unit“

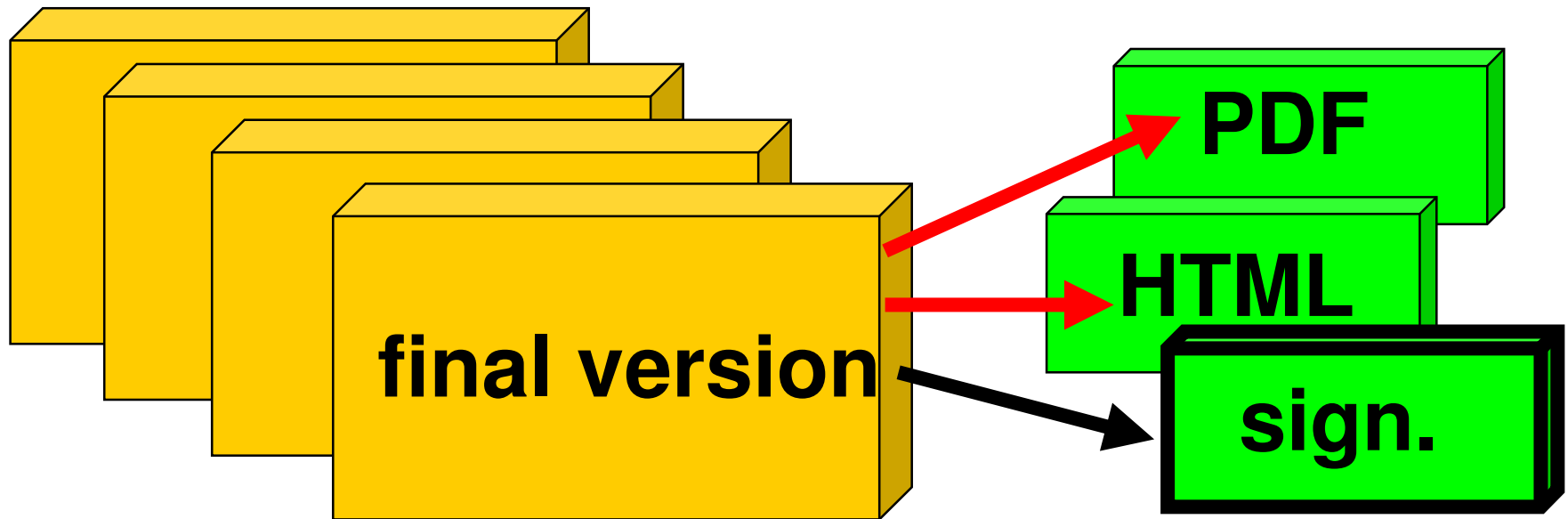
legal magic - ENTIA MORALIA – „Sinn“



versions of the textual substratum

1.

Internet-Publication

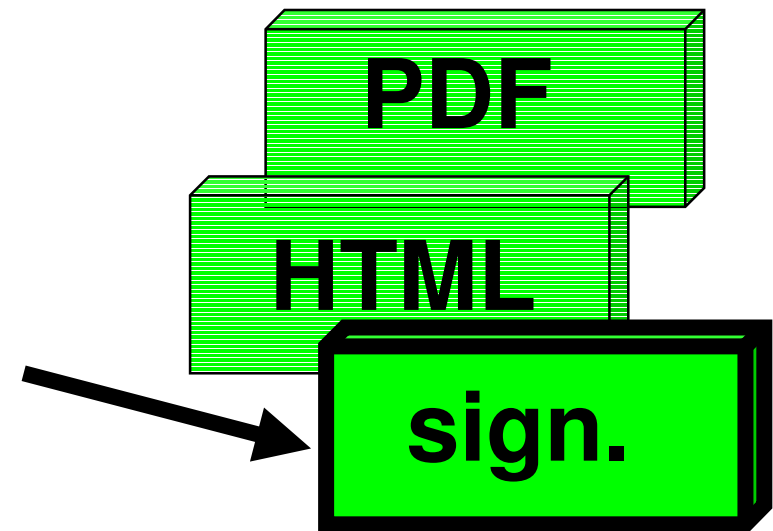


„technical versions“

„output versions“

1.

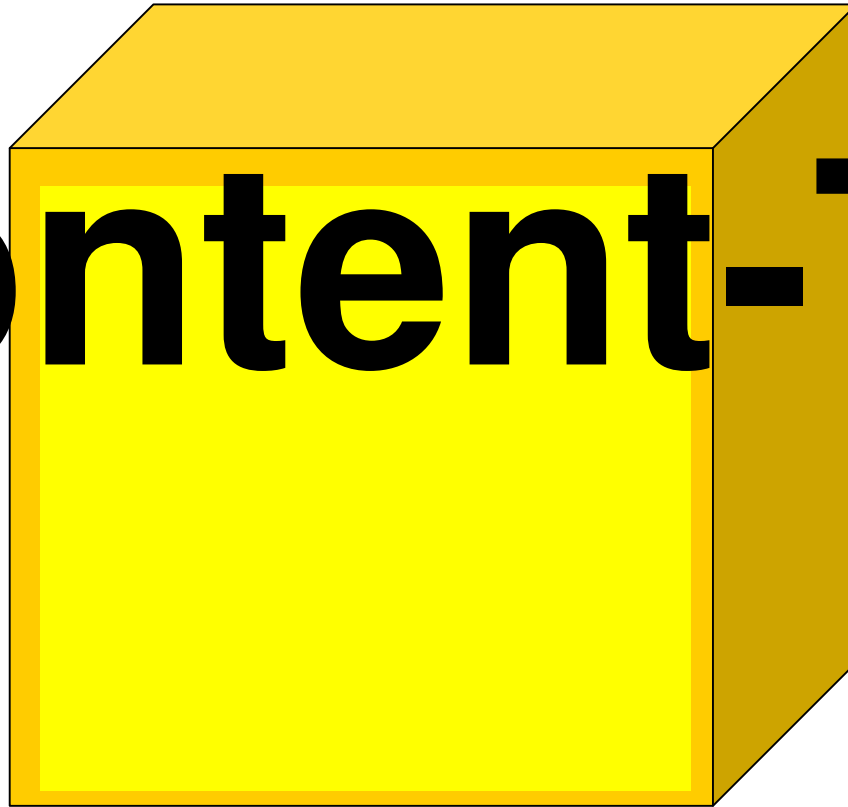
Internet-Publication



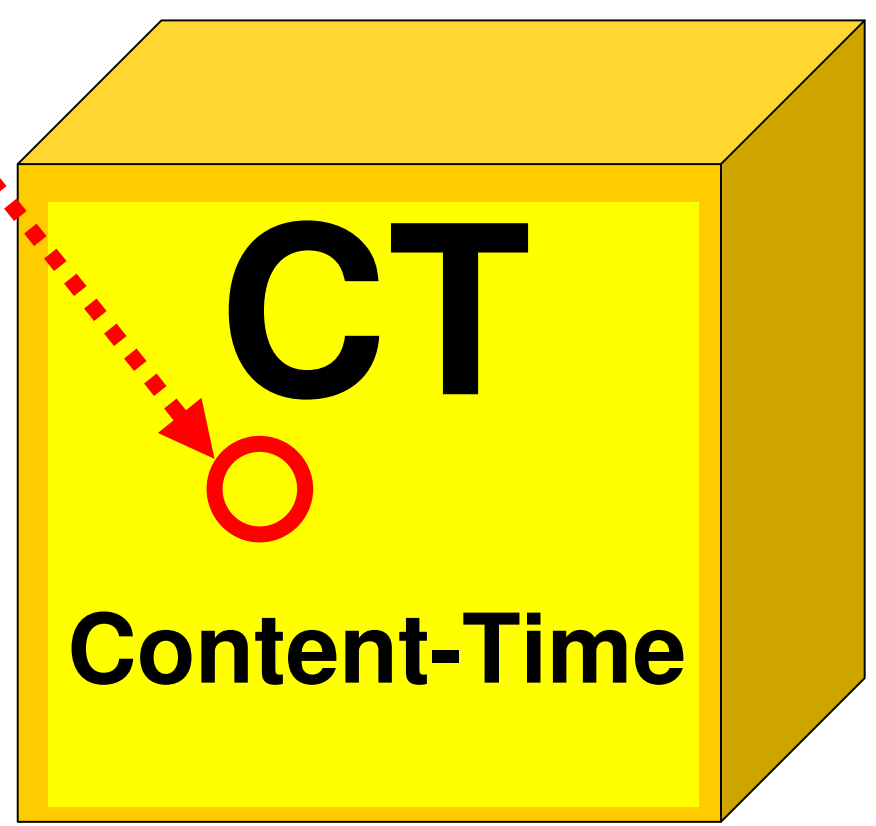
„output versions“

2.

Content-Time

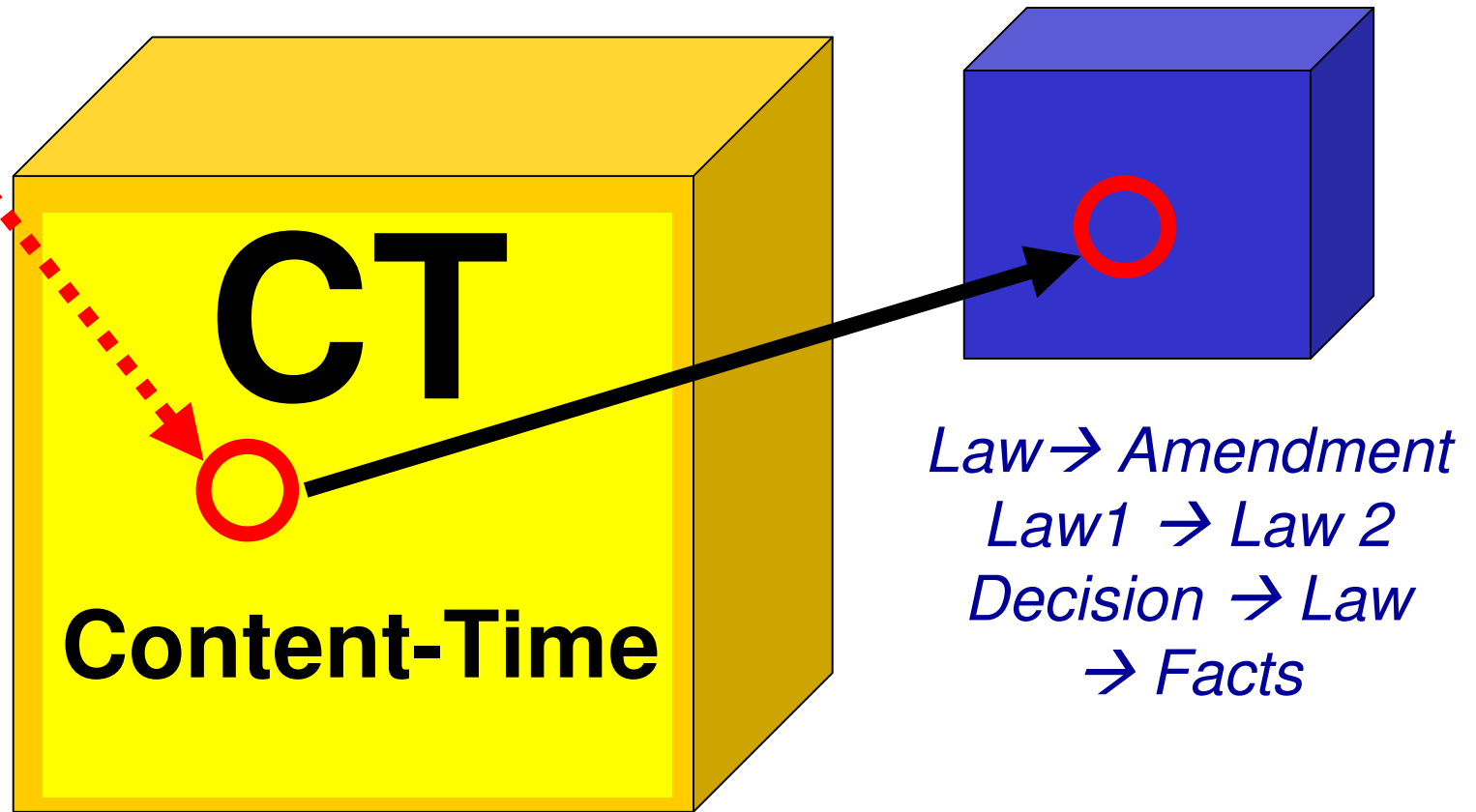


2.



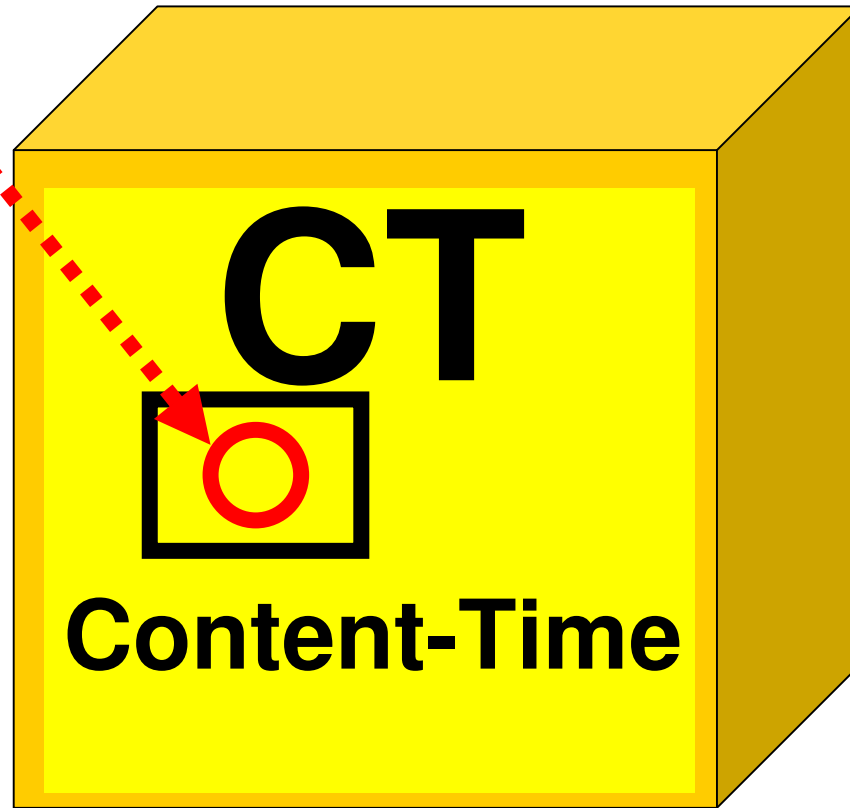
Various Elements of the Content-Time

2.



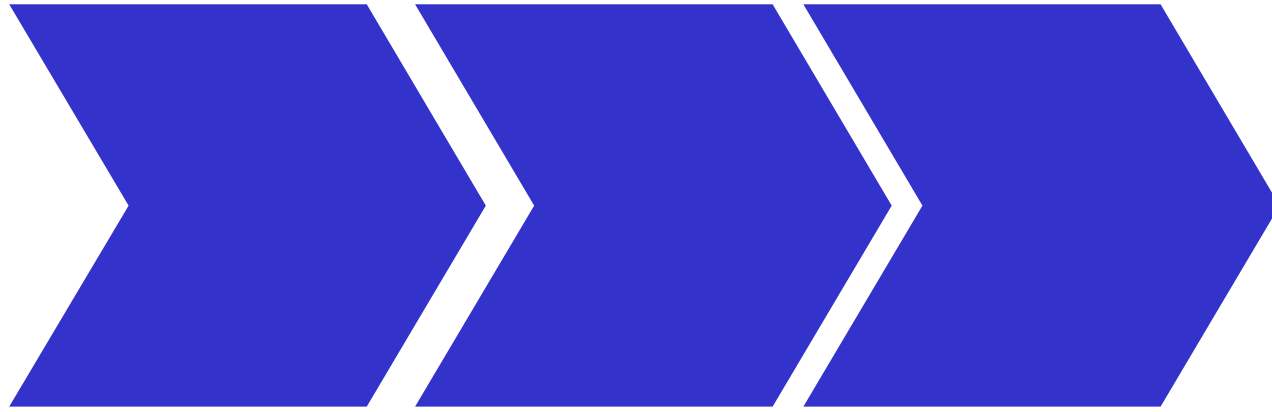
RT Reference Time

2.



XML-Structure for all CTs?

3.



Procedure- Time

3.



Procedure Time

Nina Koch:

**Date of passage of the bill
in the Parliament**

**Date of the signature
(of the president)**

3.



Procedure Time

Nina Koch:

**Date of publication
in official journal**

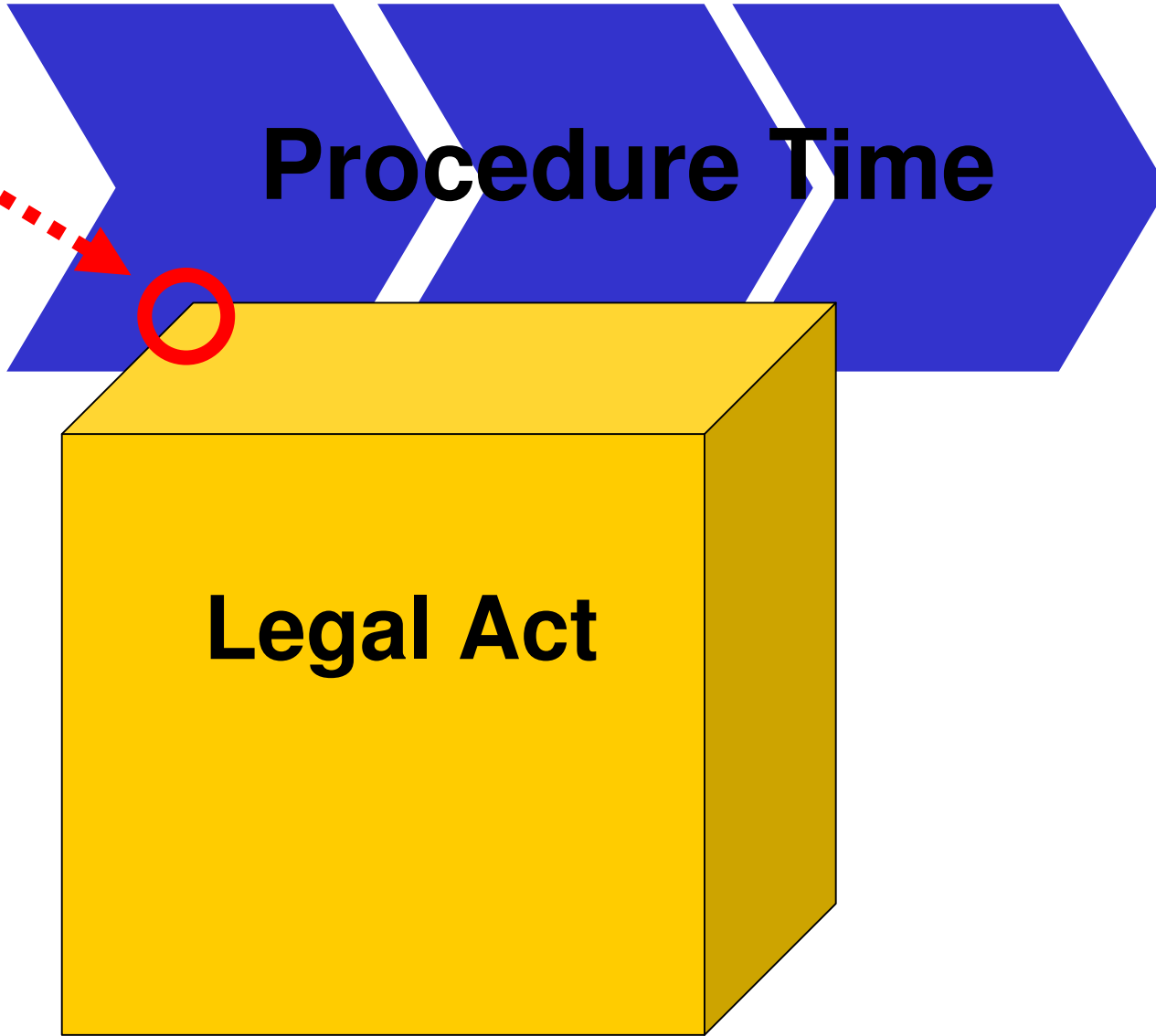
„Promulgation“

3.

Procedure Time

PT

Legal Act



3.

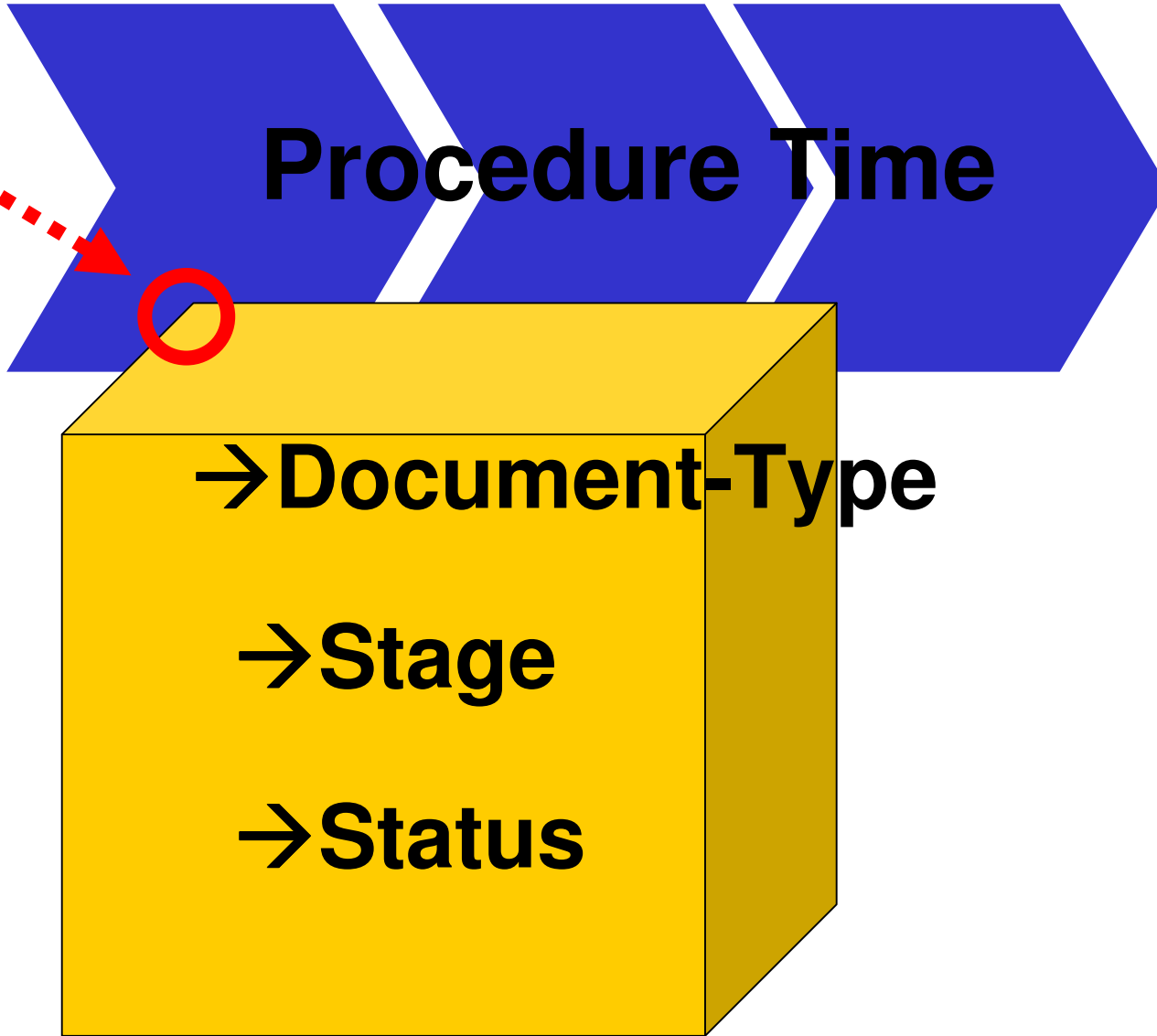
Procedure Time

PT

→ Document-Type

→ Stage

→ Status



3. PT



Procedure Time

- 
- **PT** (Draft/Ministry)
 - **PT** (Government)
 - **PT** (Parliament)
 - **PT** (Promulgation)

Validity-
Time



4.

Validity Time

Nina Koch:

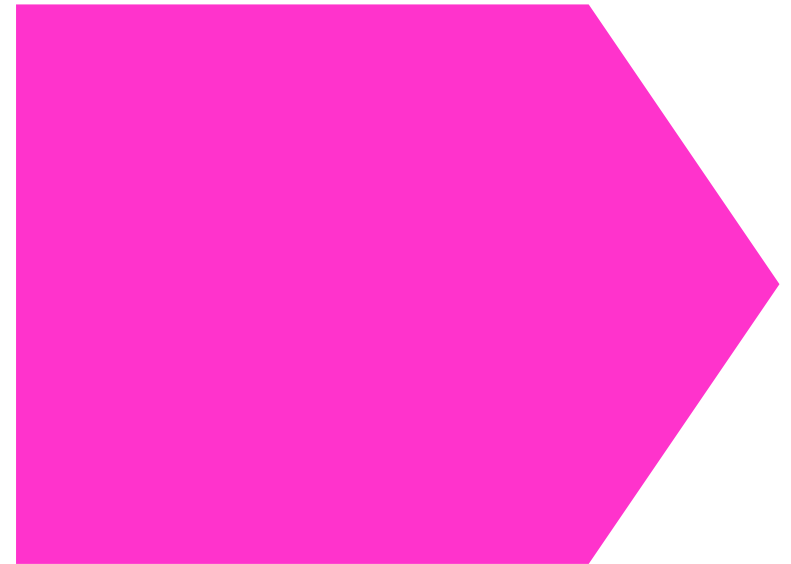


**Date of efficacy/coming into
force/enter into the legal system**

4.

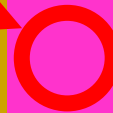
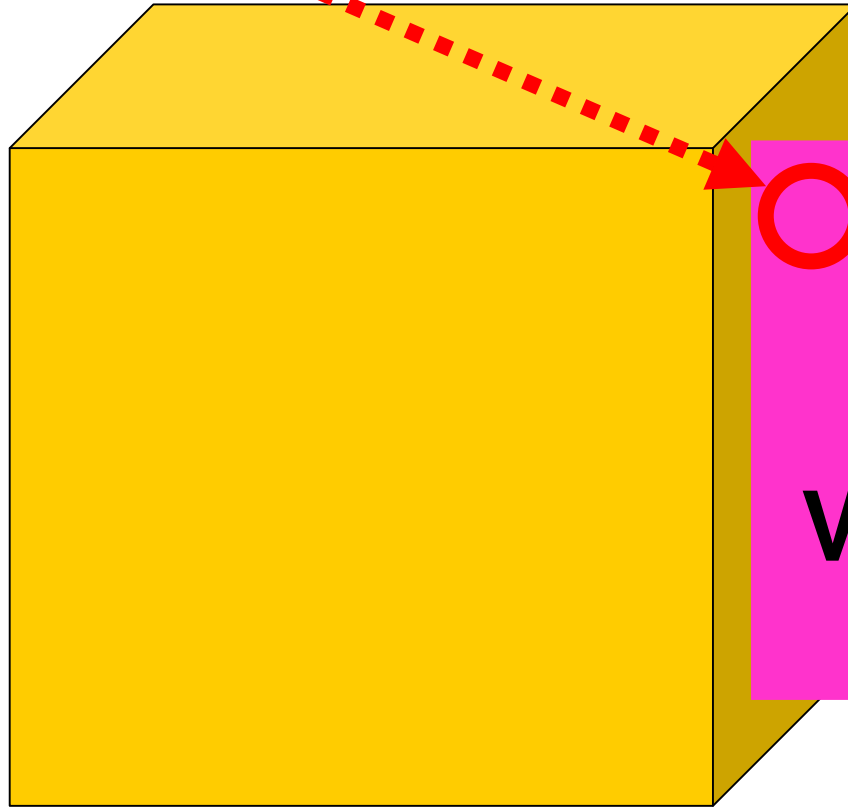
Validity Time

Nina Koch:



Date of taking effect/application

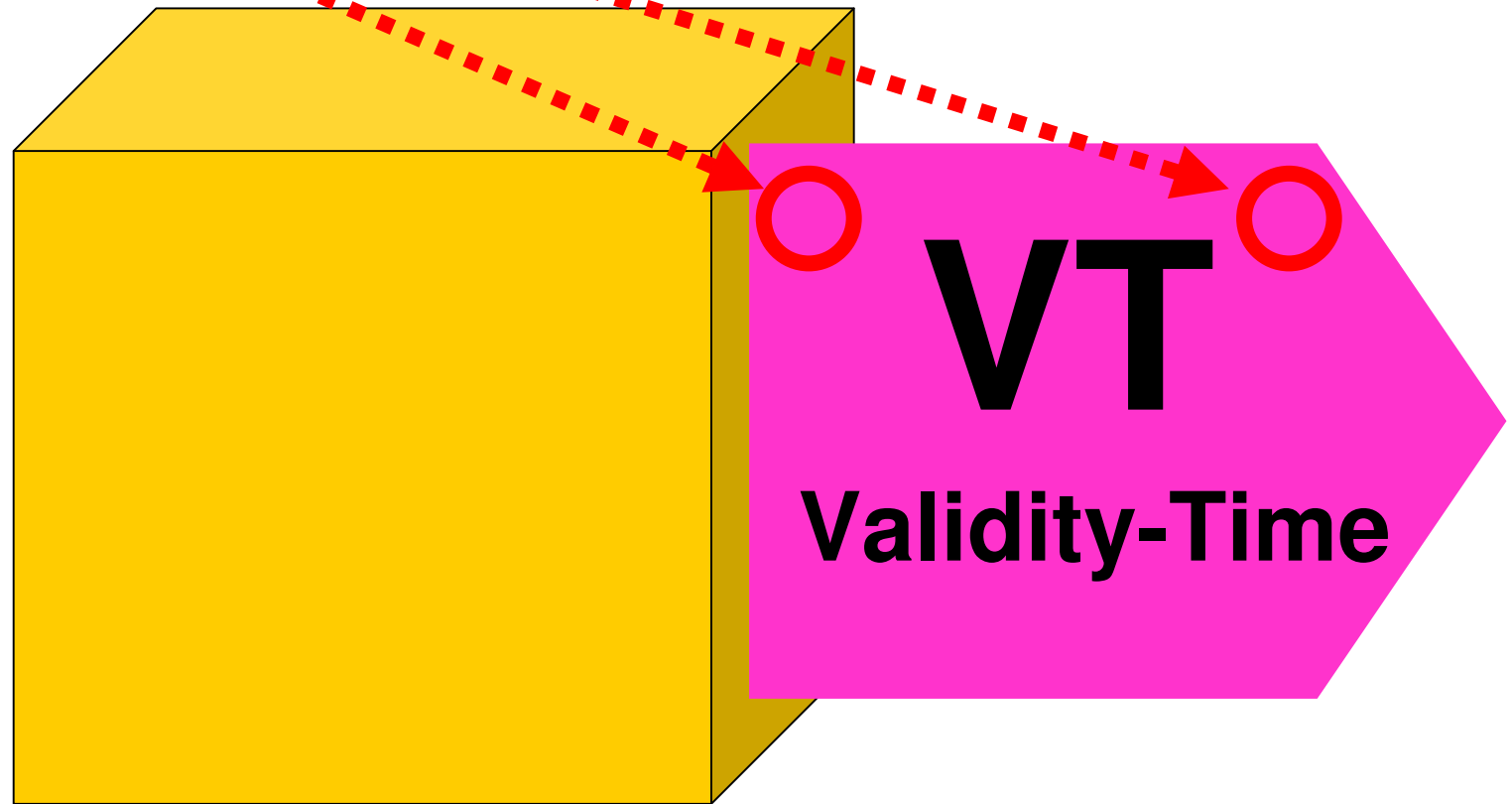
4.

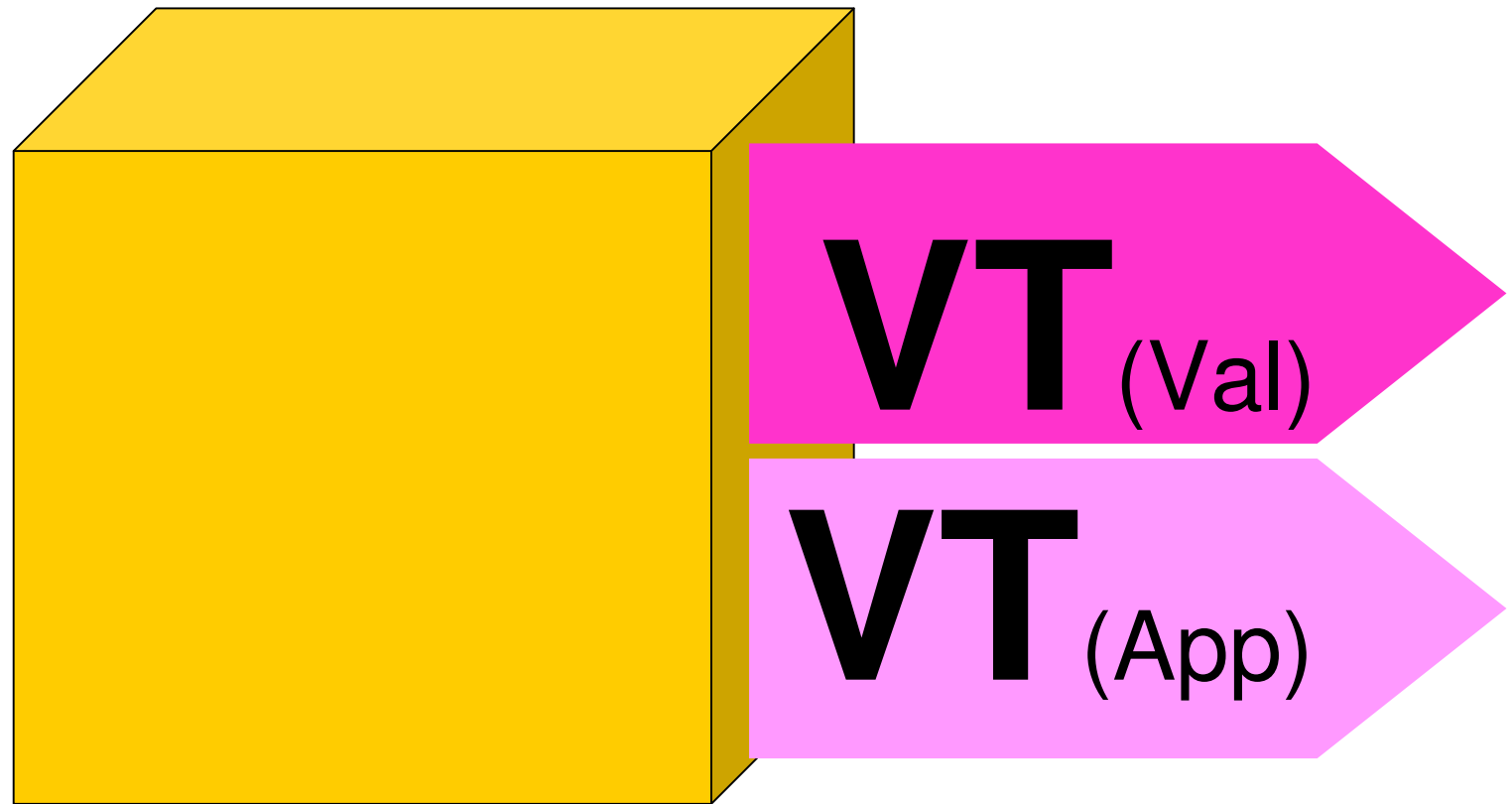


VT

Validity-Time


- **Beginning of Validity**
- **End of Validity**





- **Beginning of Application**
- **End of Application**

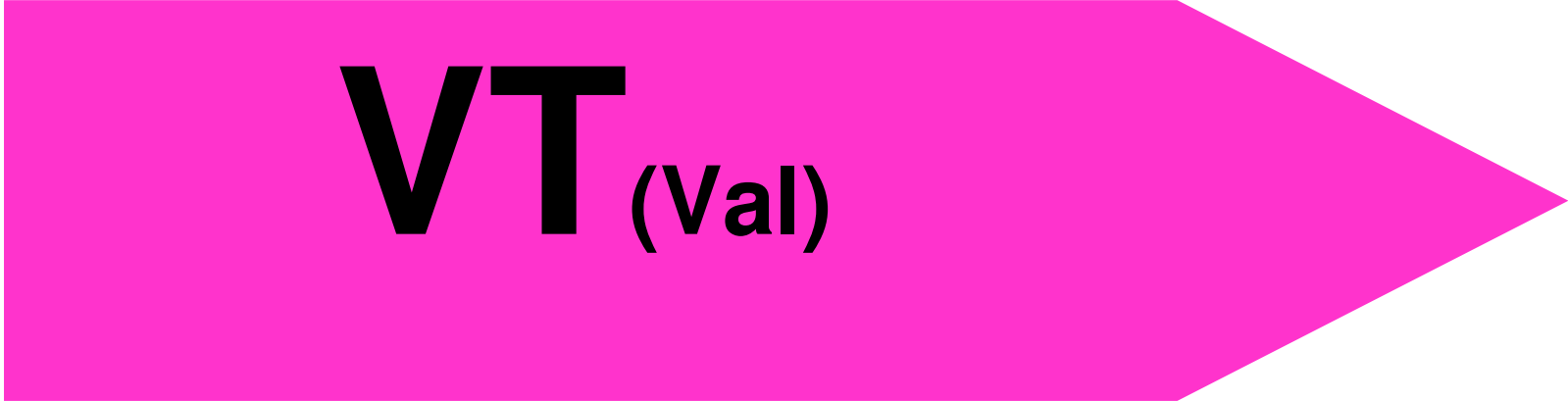
Some Combinations



VT (Val)




VT (App)



VT (Val)



VT (App)

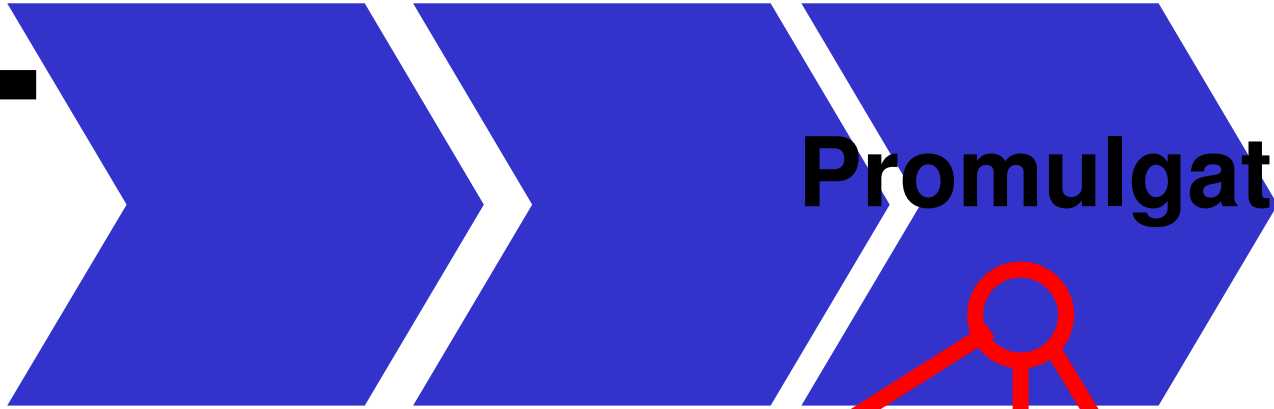


VT (Val)



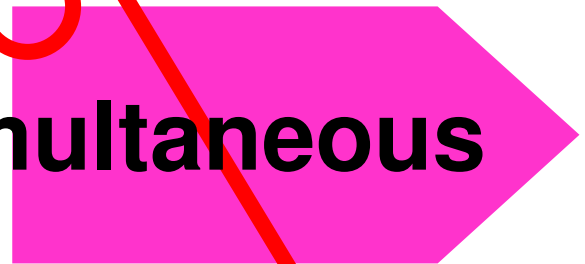
VT (App)

PT

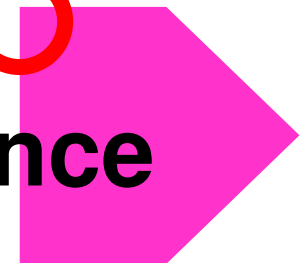


VT

simultaneous



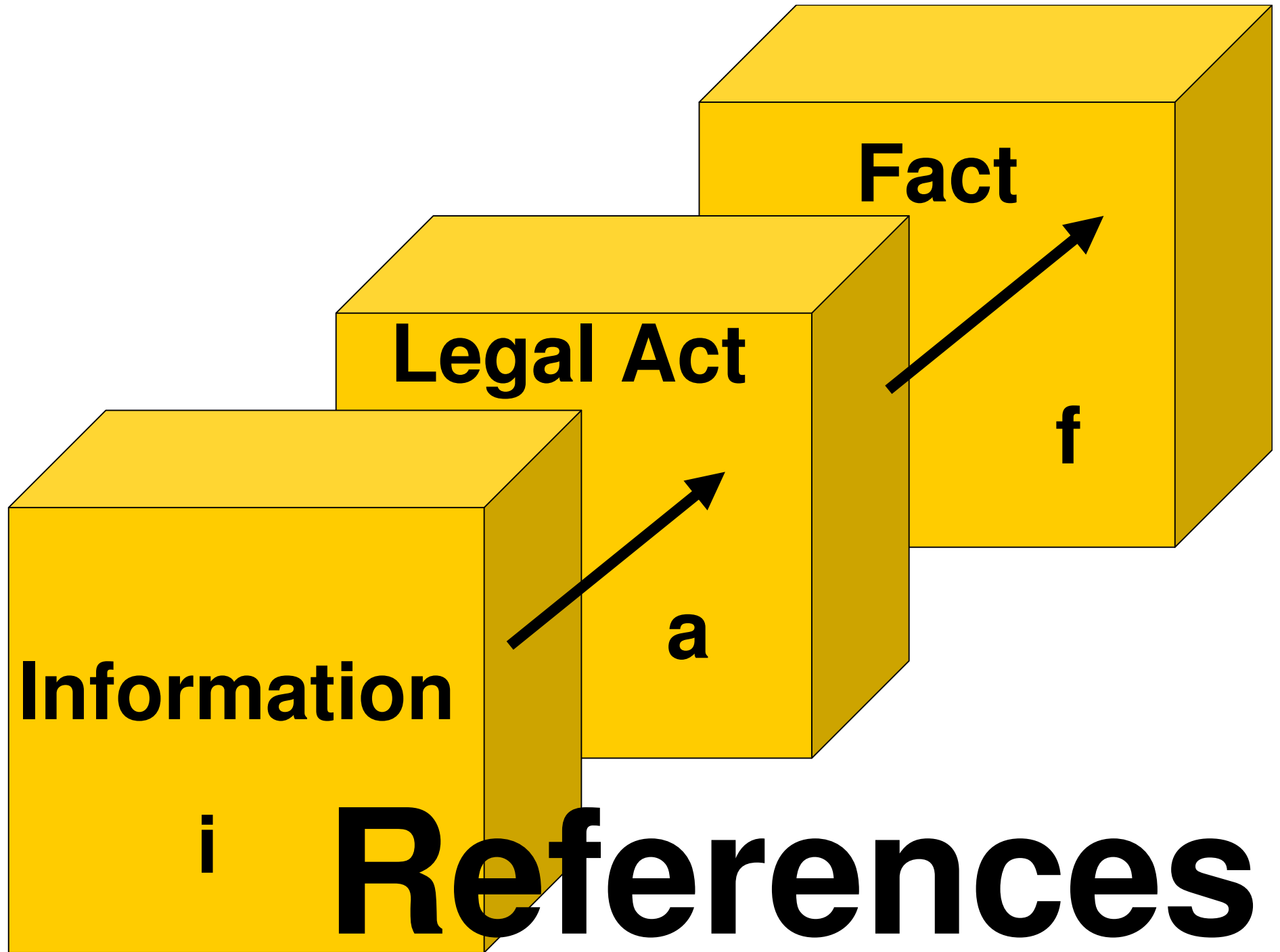
Legisvacance

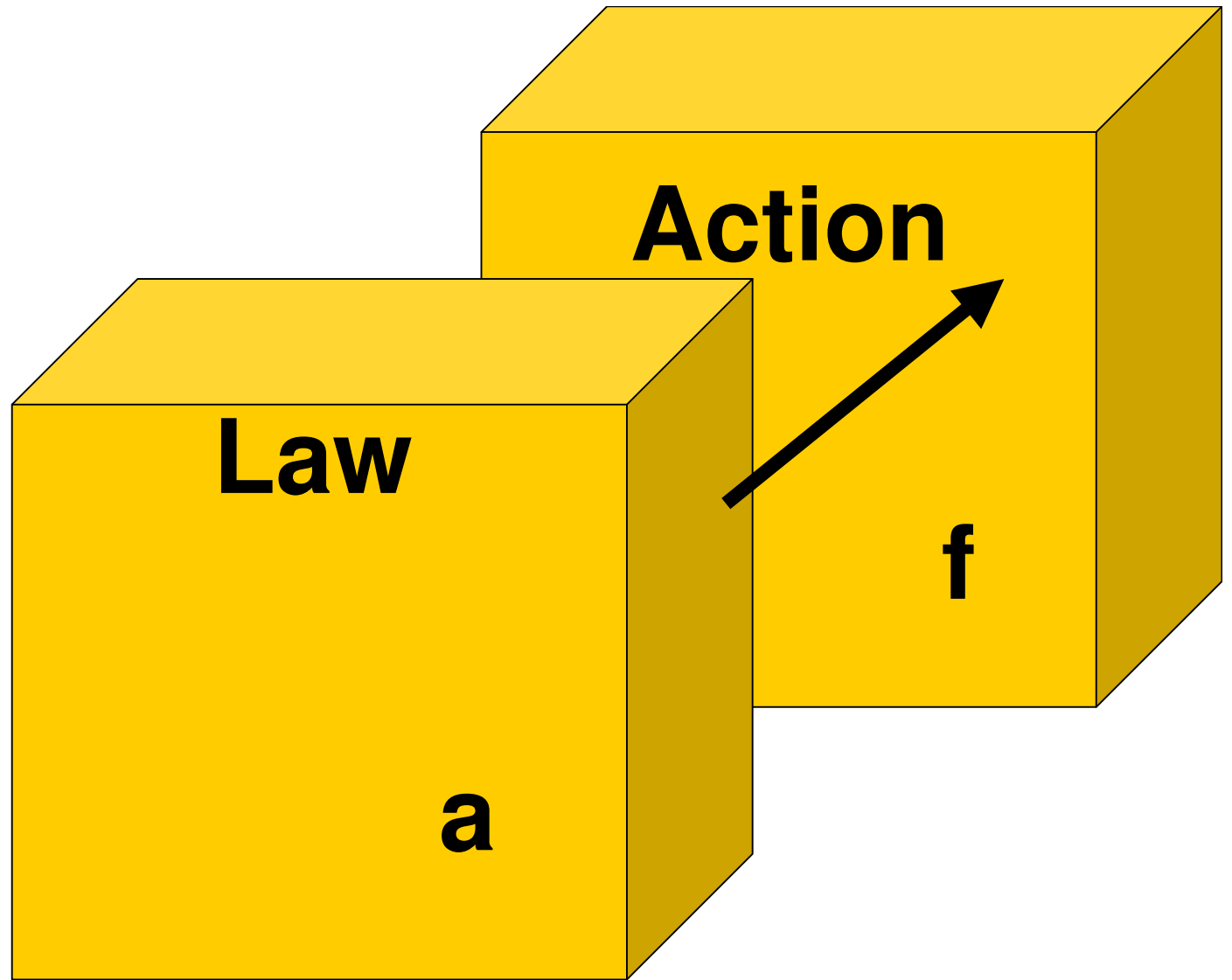


ex tunc

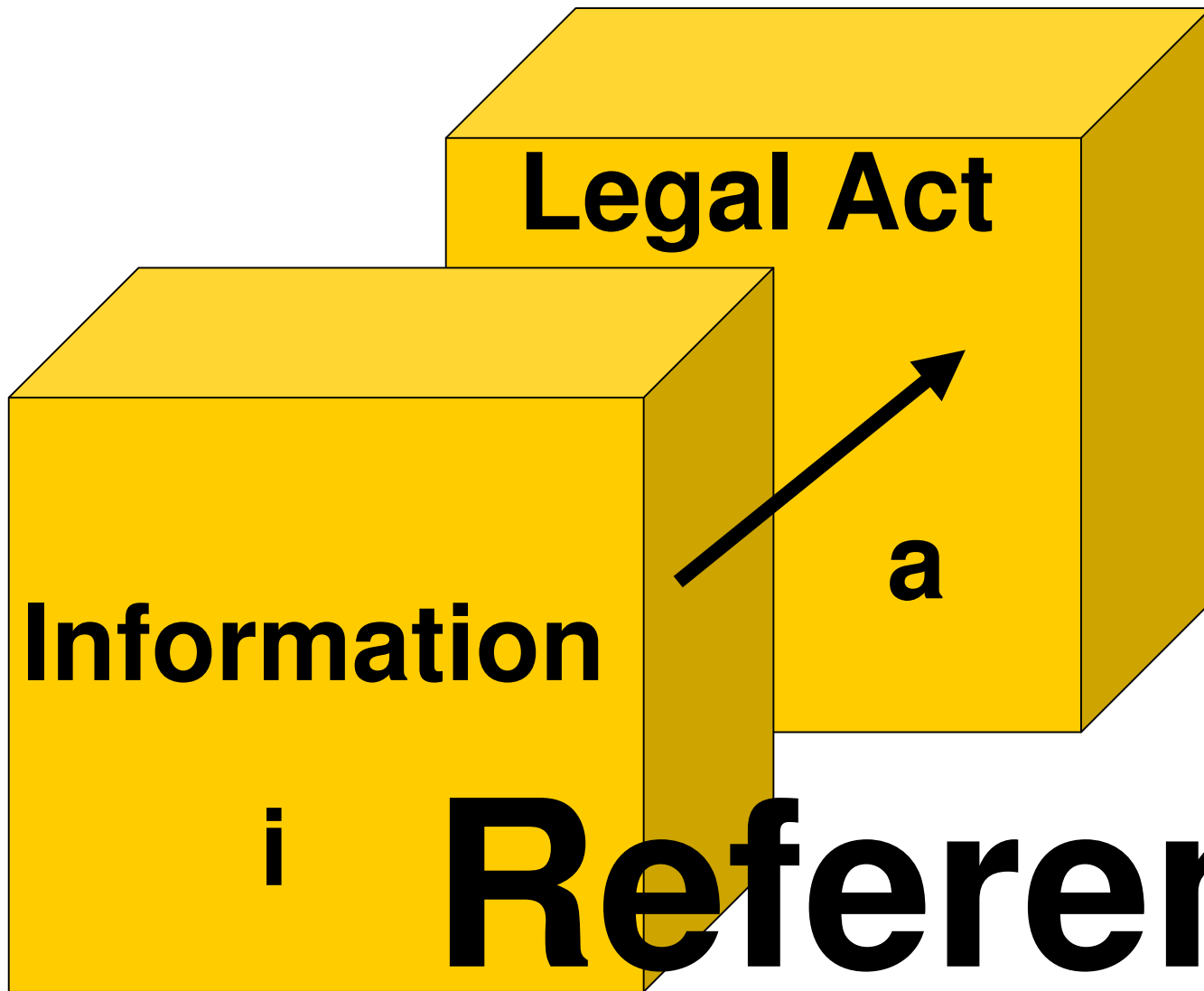


References





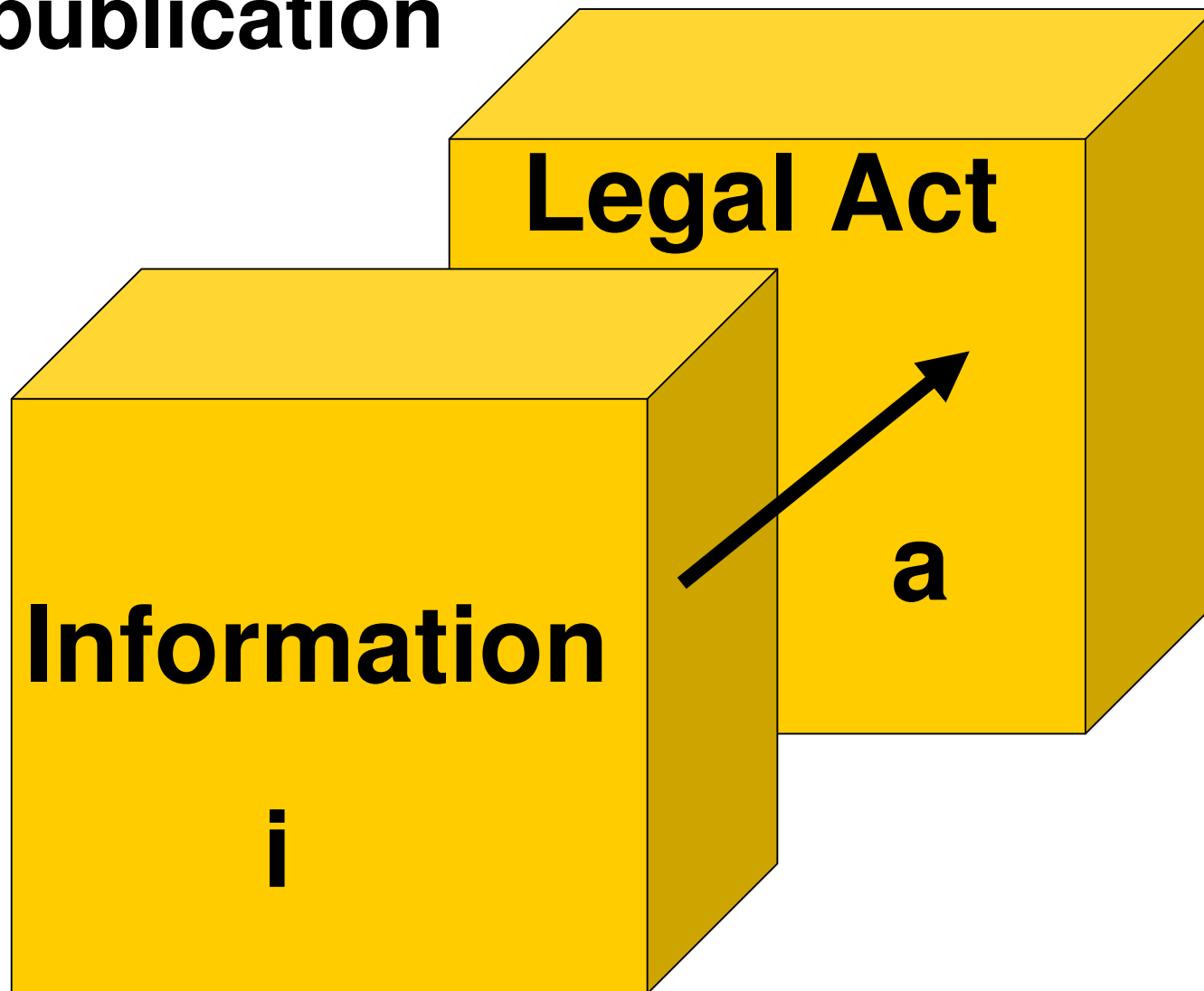
References



References

identity of legal act and legal information in the case of authentic electronic

publication



**Austria
since
1.1.2004**

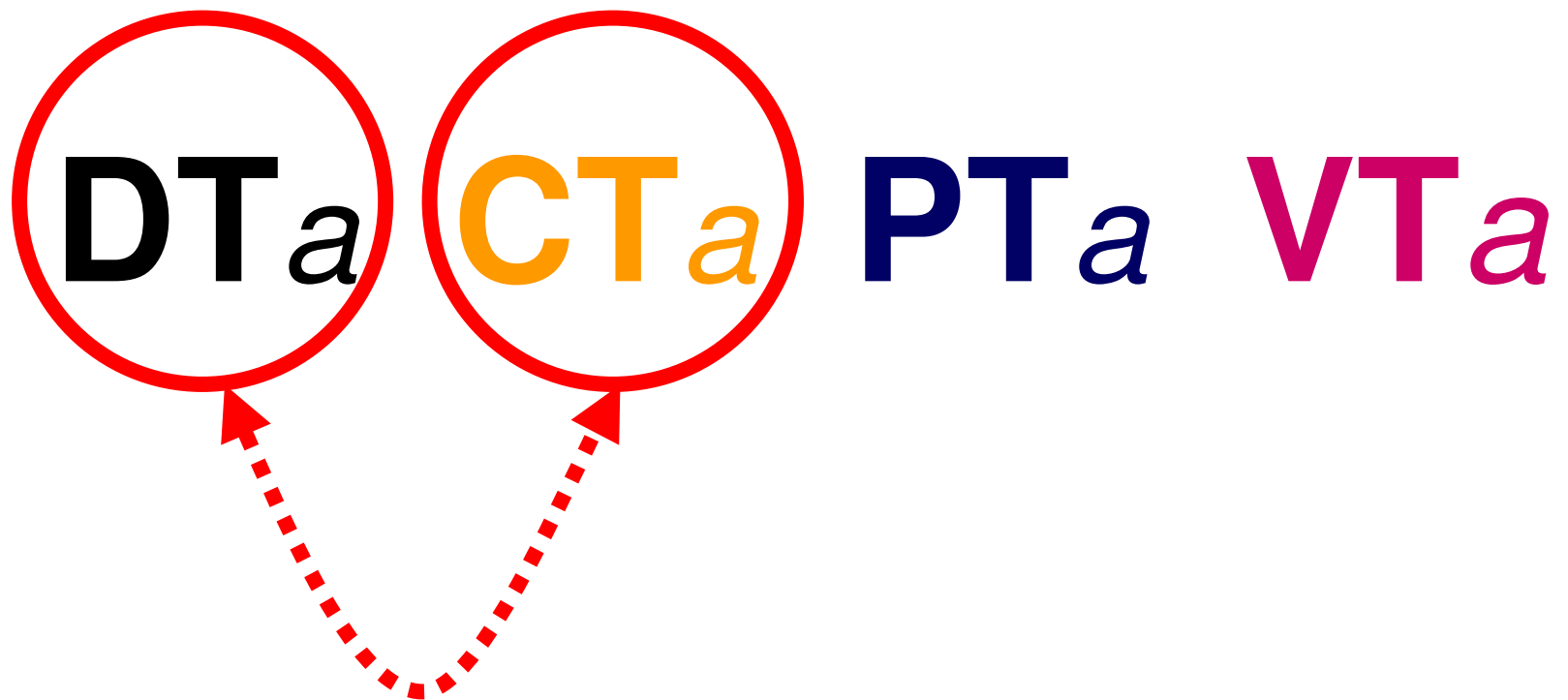
linear

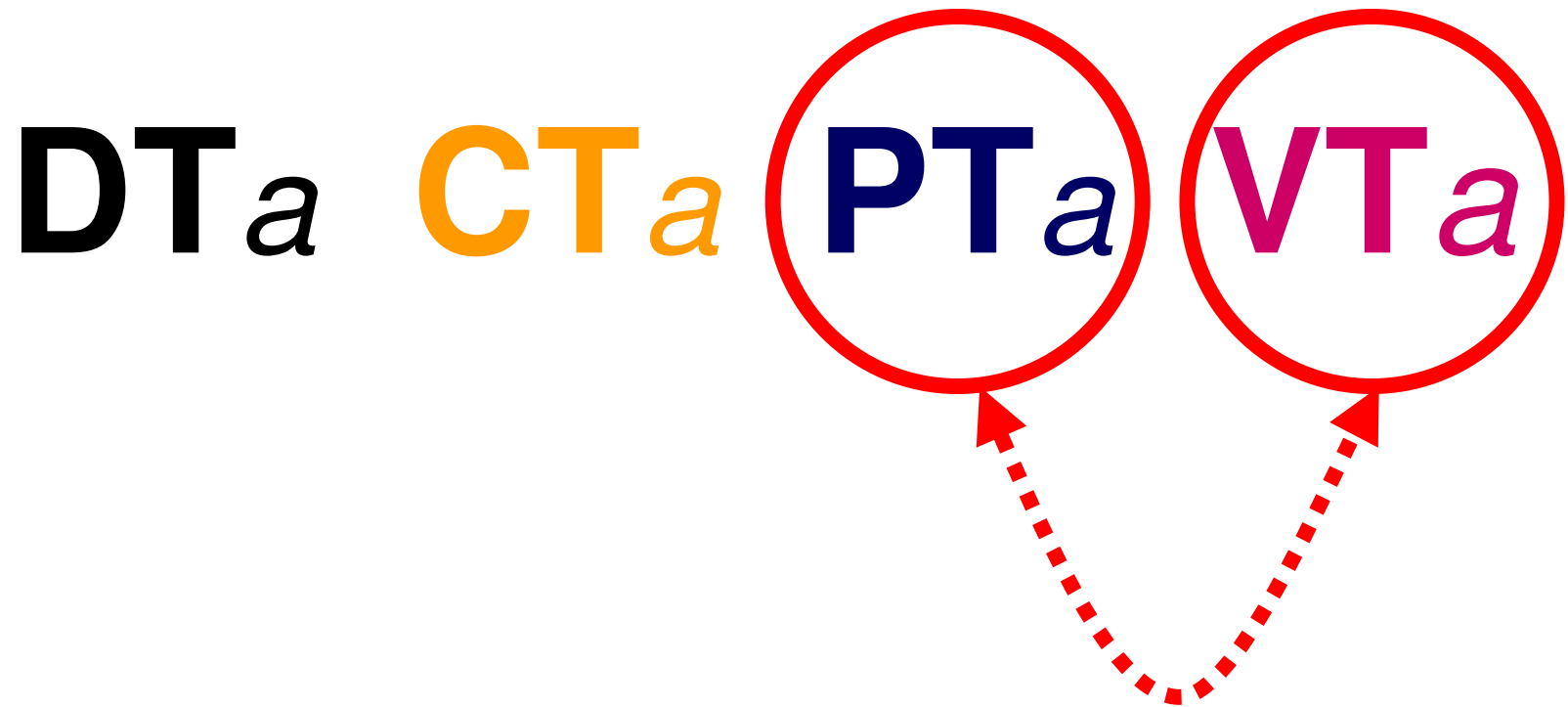
Time-Act-

Notation

DT CT PT VT

DT*a* **CT***a* **PT***a* **VT***a*





Information *i*

DT*i* **CT***i* **PT***i* **VT***i*

Legal Act *a*

DT*a* **CT***a* **PT***a* **VT***a*

Legal Act a2

DT*a2* **CT***a2* **PT***a2* **VT***a2*

Reference

DT*a1* **CT***a1* **PT***a1* **VT***a1*

Legal Act a1



Monica Palmirani

→ **building terminology**

Monica Palmirani

→ **Building Terminology**

→ **Distinctions of Time**

Monica Palmirani

- Building Terminology
- Distinctions of Time-Concepts

→ **Building
Ontology**

*Information on
Events*

Kärntner Verwaltungsakademie

[http://www](http://www.verwaltungsakademie.ktn.gv.at)

[verwaltungsakademie.ktn.gv.at](http://www.verwaltungsakademie.ktn.gv.at)

Klagenfurter Legistik @ Gespräche 04

18./19. November 2004

Simon.Korenjak @ ktn.gv.at

Austrian Federal Chancellery:

EU-Info: Legal Informatics

19th January 2005,

9.00 – 17.00h

1010 Vienna, Minoritenplatz 9

helga.stoeger@bka.gv.at

IRIS 2005

International Symposium on Legal Informatics

24/26 February 2005

University of Salzburg

[Erich.Schweighofer @ univie.ac.at](mailto:Erich.Schweighofer@univie.ac.at)

EU-Project

eJustice

**Austrian Federal Chancellery
&**

METADAT

Harald.Hoffmann @ metadat.com

Austrian Federal Chancellery:

RI-RS

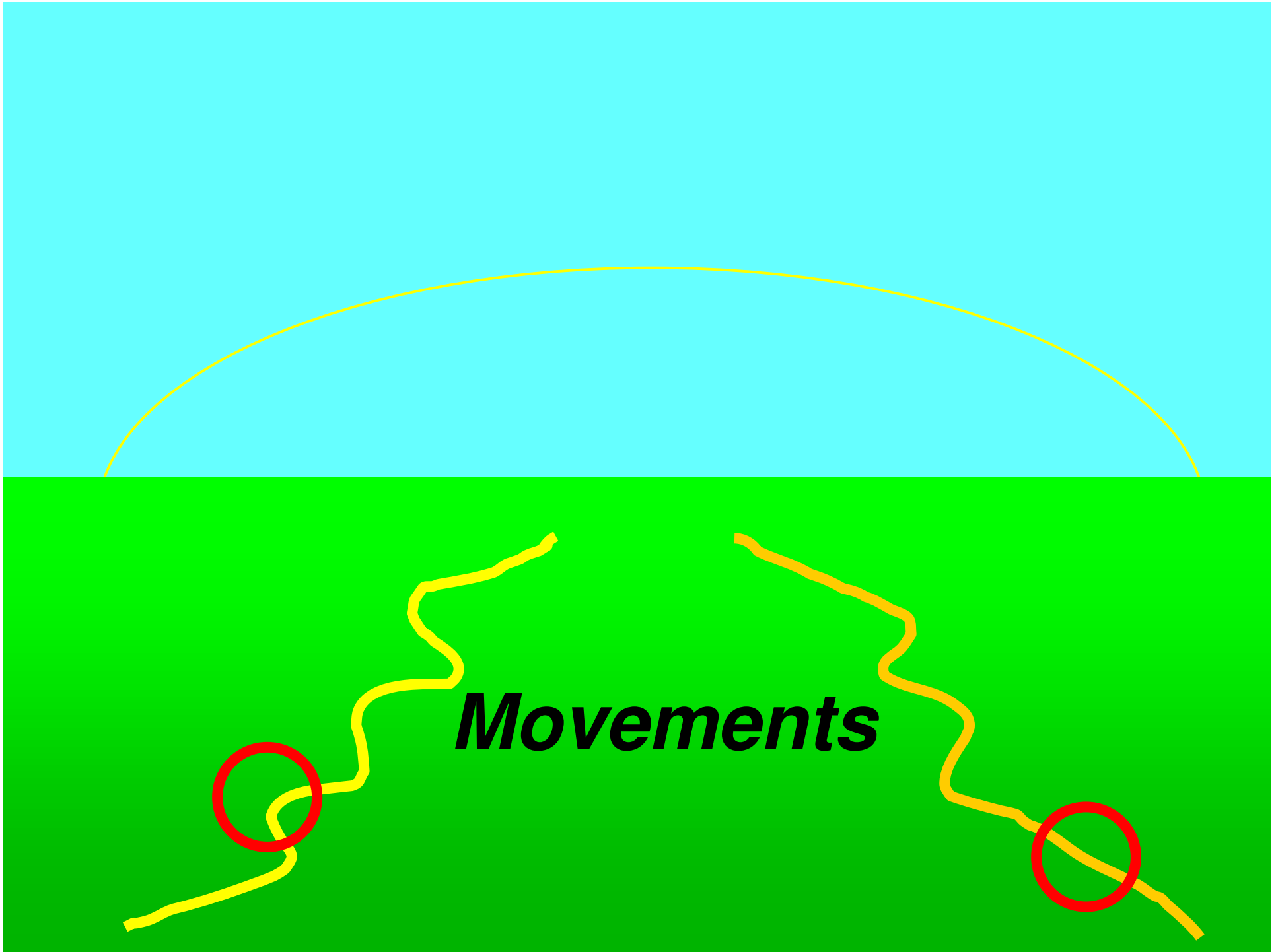
Rechtsinformatik-Rundschreiben

*weekly electronical circular letter
on legal informatics*

helga.stoeger@bka.gv.at

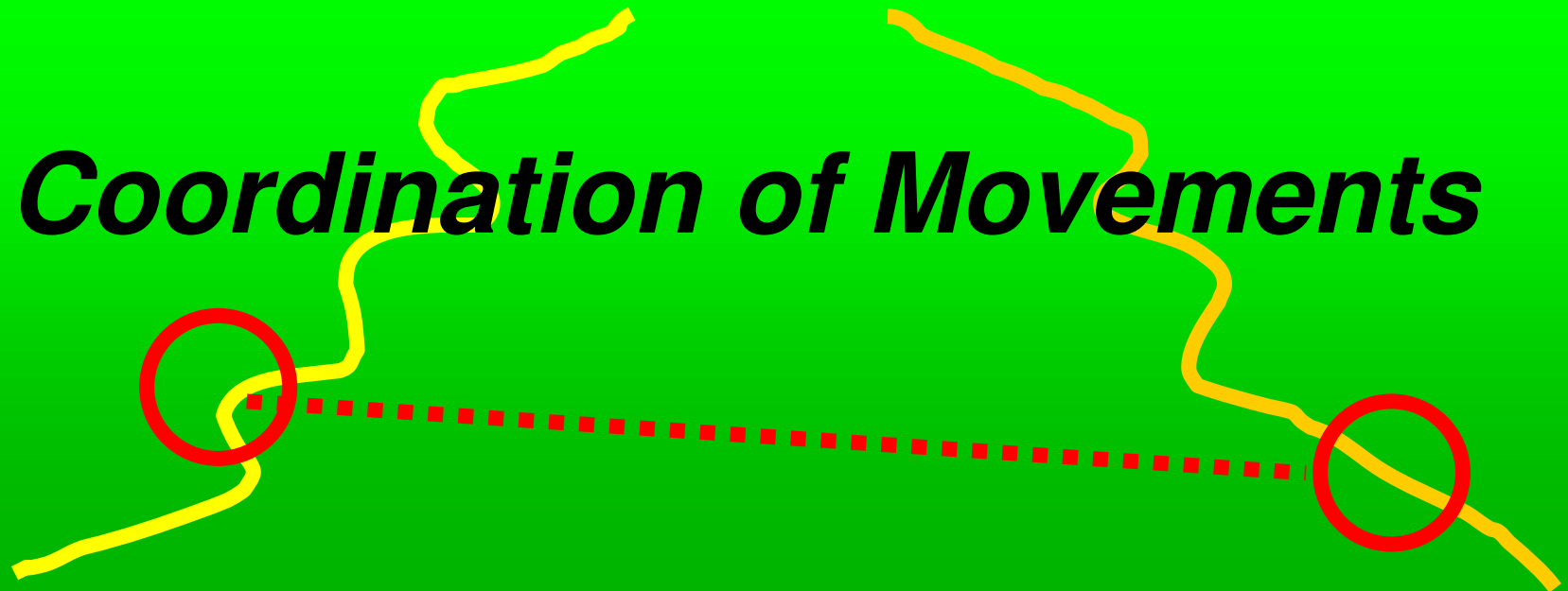


Perspective



Movements

Coordination of Movements



Situative Time

„in time“

Coordination of Movements



Legal XML 2005

Coordination of Movements



Legal XML

Meetings:

17.-19 March 2004, Magglingen / CH

Ardita.DrizaMaurer @ bj.admin.ch

23.-24 September 2004 , Slagelse /DK

nko @ retsinfo.dk

???. ???. 2005

lachmayer@chello.at