

# What do translators need to know about terminology in the age of AI?

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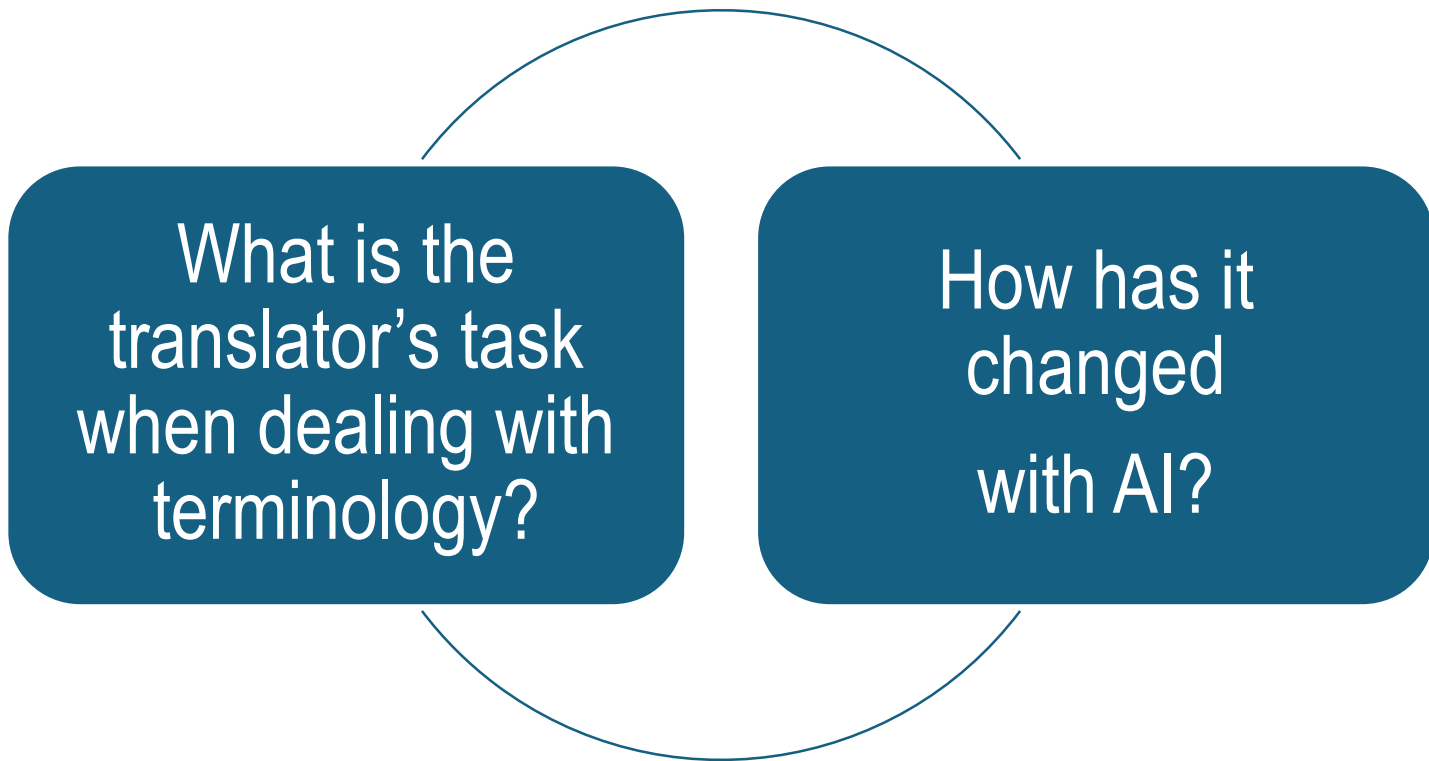
# Aim / Overview

Terminology  
pitfalls  
AI

Strategic  
terminological choices  
Human

Conceptual  
framework

# What do translators need to know about terminology in the age of AI?



# What is the translator's task?

## Literature review

In models of translation competence:

- **Recognise** SL terms
- **Find** equivalent TL terms
- **Record** SL and TL terms

Assumption:

Terms are **available**  
established by experts

In theory and training:

- Focus: Terminology *management*
  - Even in translation-oriented terminology (Thelen 2022)
- Focus: Technology
  - Tendency to (over)stress technological competence Prieto Ramos (2024)

# How has it changed with AI?

## Double impact

- Misconception – translation is easier than ever

### **BUT ALSO**

- Terminology – more important than ever

## Terminology pitfalls – AI

(Haque et al. 2020; Vigier-Moreno and Pérez-Macías 2022, Stefaniak 2023, etc.)

- Genre
- Domain
- Language pair
- Corpus/texts
- Omission
- Use / creation of a wrong TL term
- Inconsistent use of terms

# Terminology pitfalls

## Research example

2023/24 study (Garcés–Hu, 2024)

- Spanish Civil Code into Chinese
- Translation by GPT3, DeepL, Google Baidu, Youdao Translate
- 7 legal terms – common errors

2024 follow-up study:

**Has anything changed? (GPT4)**

- 3 new terms
- No change in performance

# Terminology pitfalls

## Research example

### Shortcomings (Garcés–Hu, 2024)

- Not considering the existing or well-adapted translation
- Lack of legal register (common words vs. legal term)
- Not using functional equivalents
- Scant analysis of the degree of equivalence
- Pre-dominance of literal translation



Equivalence issues  
How to solve them?

# Glossaries / TBs – Solution (?)

Two problems

AVAILABILITY

- Term ***not*** available / **more terms** available
  - dependent on domain
  - dependent on terminology policy

EQUIVALENCE

- ***Lack of equivalents***
- Terms available but ***only partial*** equivalents



# So, what is the translator's task?

Literature review

In models of translation competence:

- **Recognise** SL terms
- **Find** equivalent TL terms
- **Record** SL and TL terms

Assumption:

Terms are **available**  
established by experts

Reality:

Translators / AI  
forced to **create terms / choose**  
make terminological choices

# Equivalence issues – terminological choices

## How to **solve** them?

TL and SL concept  
only similar

No equivalent  
in TL

# Equivalence issues – terminological choices

## How to solve them?

functional equivalent

new forms

literal/loan translation (calque)

direct borrowing

paraphrasing

descriptive definition

terminologisation

STRATEGIES?

# Strategic terminological choices

## Domesticating or foreignising?

### Dilemma:

- Target reader or source text?
- Terms introduced by Venuti (1995)
- At lexico-semantic, syntactic, stylistic level, or even at paragraph, chapter, or full-text level

### Misbelief: Translation is about domestication

- misunderstandings still associated with the term ***equivalence***
- *'notably the idea that equivalence means domestication, or that it is opposed to creativity, or that it only comes in one flavor'* (Pym 2007, 290)

# Strategic terminological choices

## Domesticating or foreignising?



1970s, cultural turn in translation studies    **domestication** predominant



1990s, legal domain

strategy determined by the legal system  
**foreignisation** also justified (cf. Biel 2008;  
Šarčević 1997)



Further research, other domains/texts

e.g. tourism, focus on the cultural and  
historical elements of the original (cf.  
Sanning 2010)



Practice, laypersons  
**NMT**

Translators expected to **domesticate**  
**Random/ unpredictable /inconsistent**



Strategic  
terminological  
choices  
**Conceptual  
framework**

foreignising – domesticating

concept level – term level

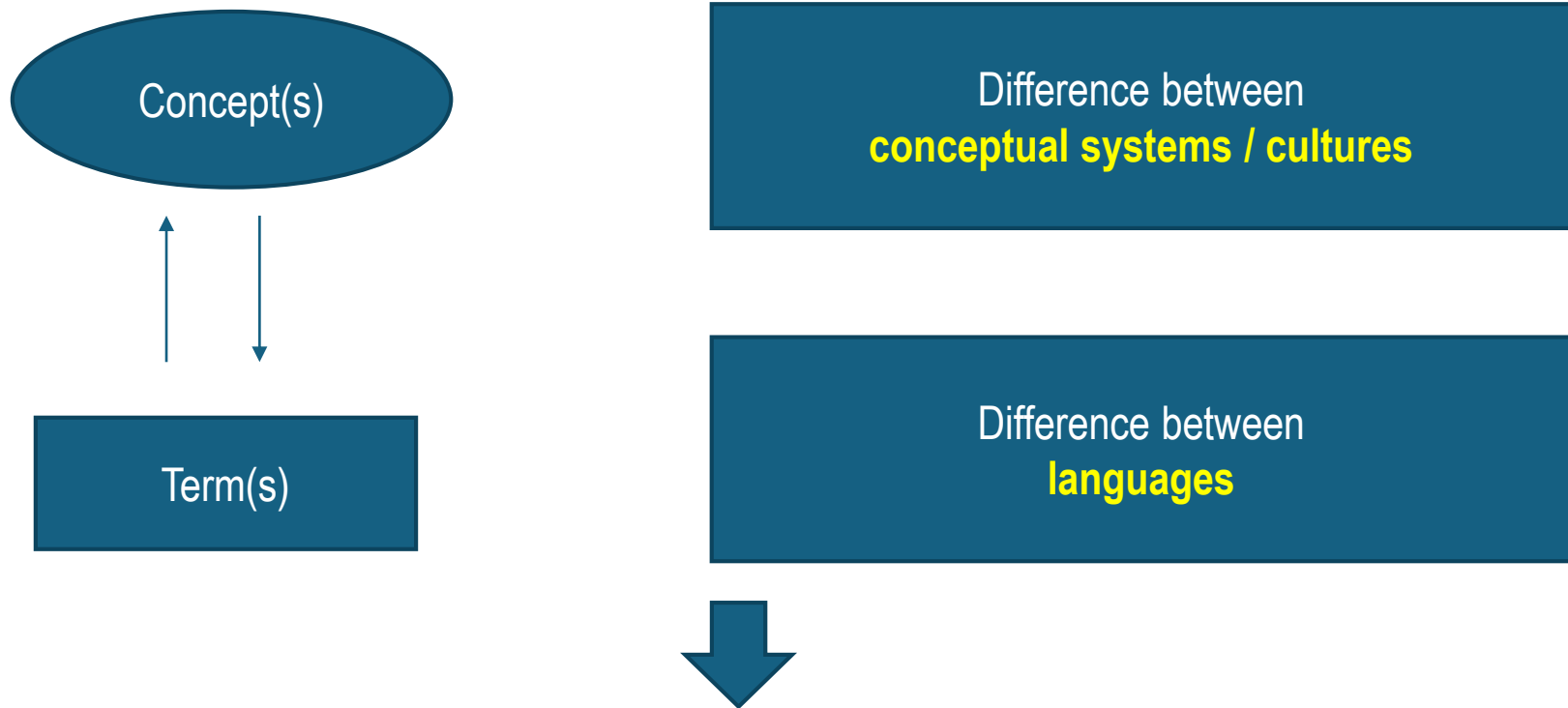
**Cognitive dimension**

**Linguistic dimension**

**Communicative dimension**

(Sager 1990)

# Strategic terminological choices at **concept** and **term** level



Equivalence issues at **two** levels (Drössiger 2007)  
Strategies at **two** levels

# Relevance

Competence /  
motivation

Concept level

- domain competence
- experts

Term level

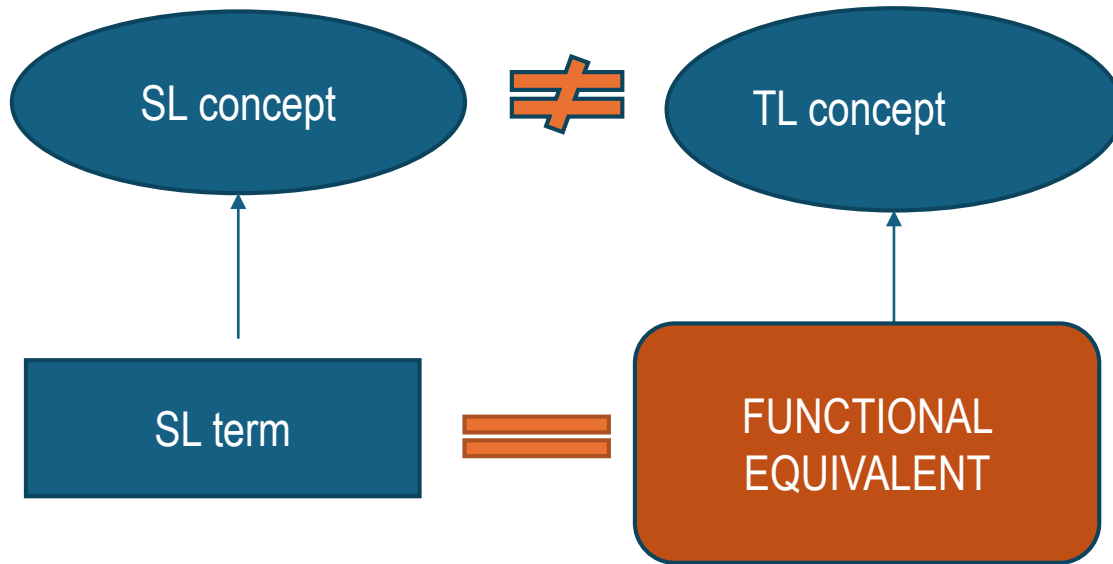
- linguistic competence
- linguists



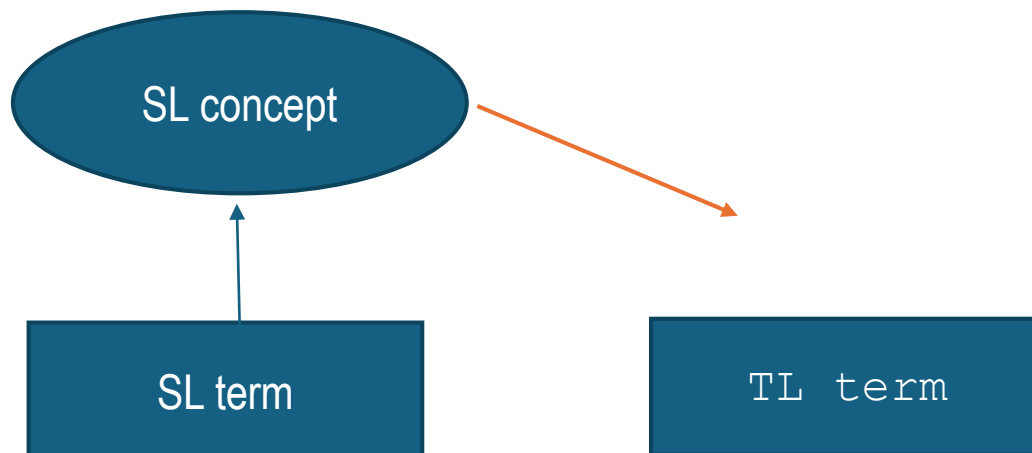
# Strategic terminological choices at concept level

- Asymmetries – **system- and culture-bound** terms
  - due to different cultures
  - different conceptual systems
- Examples:
  - legal systems / institutions (e.g. House of Lords/Commons)
  - company types (e.g. private company limited by shares – ltd)
  - historical / cultural concepts
  - EU terminology (e.g. value added tax)

# Strategies at concept level



domesticating  
ltd = GmbH



foreignising  
ltd = ltd

# Example 1

HUNGARIAN COURTS HU	HUNGARIAN COURTS EN	STRATEGY	USA / UK COURTS EN
<b>Kúria</b>	Curia	foreignisation	Supreme Court (USA)
<b>ítélőtáblák</b>	regional courts of appeal	foreignisation	court of appeals (USA)
<b>törvényszékek</b>	regional courts	foreignisation	Court of Justice (UK)
<b>járásbíróságok</b>	district courts	domestication	district courts (USA)

(based on Tamás 2019:30–31)

# Example 2

HU term (Code of Studies)	EN term
<i>javítás</i> (repeat the exam to <i>correct</i> a bad grade)	retake
<i>ismétlés</i> (repeated attempt)	repeat completion
<i>pótlás</i> (take the exam at a later date)	late completion

(Fischer 2023)

# Relevance

## Strategies at concept level

- Foreignising – perceived as a lack of competence
  - PACTE – terminological competence (Toro, Fernandez-Silva 2021)
  - Translation by an accepted target equivalent most adequate, the use of calque, borrowing and paraphrasing less acceptable
- Dictionaries
  - Terms presented as equivalents may be only partial equivalents (cf. Blazek 2017; Muráth 2002; Šarčević 1988, 1997, Terminology databases)
  - do not necessarily contain information on the level of equivalence (Tamás–Sermann 2019)
- AI: random use / creation






**Awareness / critical attitude** is needed

# Strategic terminological choices at term level

- Asymmetries
  - due to different languages
- Examples: EU context (24 languages – diff. language families)
  - **flexicurity:**  
*EU initiative, acting as a foundation for a debate on the future of the European Union, which seeks to foster communication and debate on the activities of the EU by addressing the need to listen to citizens' expectations (IATE)*
  - **Plan D: Plan for Democracy, Dialogue and Debate**  
*A policy strategy to enhance, at the same time and in a deliberate way, the flexibility of labour markets, work organisations and labour relations on the one hand, and security – employment security and income security – on the other (IATE)*

# Example 1

 en	<b>flexicurity</b> flex-security	 en	<b>flexicurity</b> flex-security	 en	<b>flexicurity</b> flex-security	★★★★
						★★★
cs	flexikurita	bg	гъвкавост и сигурност съчетаване на гъвкавост и сигурност	da	flexicurity flexsecurity fleksibilitet og sikkerhed	★★★★ ★★ ★★★★
es	flexiguridad flexibilidad y seguridad <b>flexiseguridad</b>	el	ευελιξία και ασφάλεια στην απασχόληση ευελιξία με ασφάλεια ευελιξία-ασφάλεια συνδυασμός ευελιξίας και ασφάλειας	de	Flexicurity Flexibilität und Sicherheit	★★★ ★★★
fr	flexicurité flexisécurité	et	kaitstud paindlikkus paindlikkus ja turvalisus turvaline paindlikkus <b>PREFERRED</b>	hu	rugalmas biztonság <b>flexicurity</b> <b>ADMITTED</b>	★★★★ ★★★
it	flessicurezza flexecurity	fi	joustoturva	sv	flexicurity flexibilitet och trygghet på arbetsmarknaden	★★★ ★★★
mt	flessigurtà	ga	solúbthacht agus socracht			
nl	flexizekerheid	lv	elastdrošība			
		sl	prožna varnost			

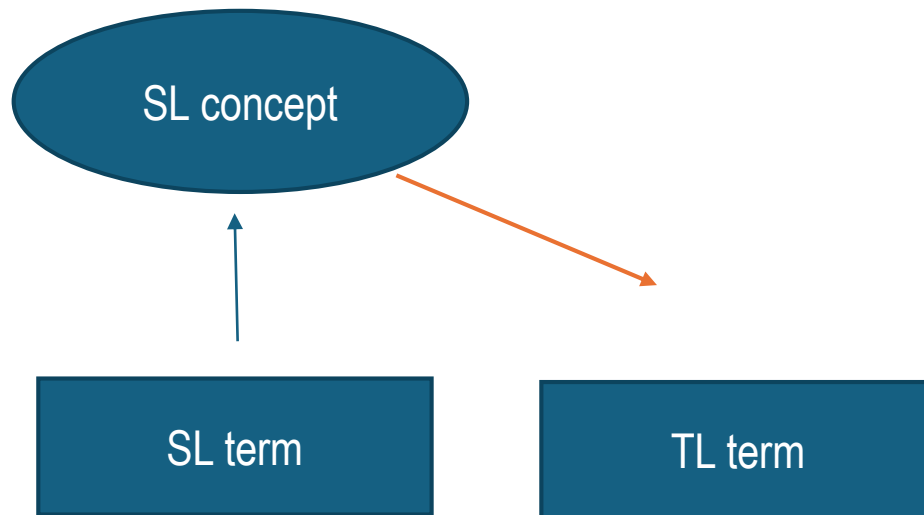
# Example 2

en	Plan for Democracy, Dialogue and Debate	★★★
	Plan D	★★★
da	Plan D	★★
de	Plan für Demokratie, Dialog und Debatte	★
	"Plan D"	★
es	Plan D	★★★
	Plan D de Democracia, Diálogo y Debate	★★★
fi	kansanvalta, kuunteleminen ja keskustelu	★★
	K-suunnitelma	★★
fr	Plan pour la Démocratie, le dialogue et le débat	★★★
	Plan D	★★★
hu	D-terv	★★★★
	D-terv: demokrácia, párbeszéd és vita	★★★★
it	Piano D	★★★
	Piano per la democrazia, il dialogo e il dibattito	★★★
nl	Plan D voor Democratie, Dialoog en Debat	★★★

Distance b/w  
source and target language



# Methods at term level



Secondary term creation  
(Sager 1990)

Methods:

new form  
terminologisation

direct borrowing  
literal translation (calque)

paraphrasing  
descriptive definition

Several categories  
ISO 704: 2009

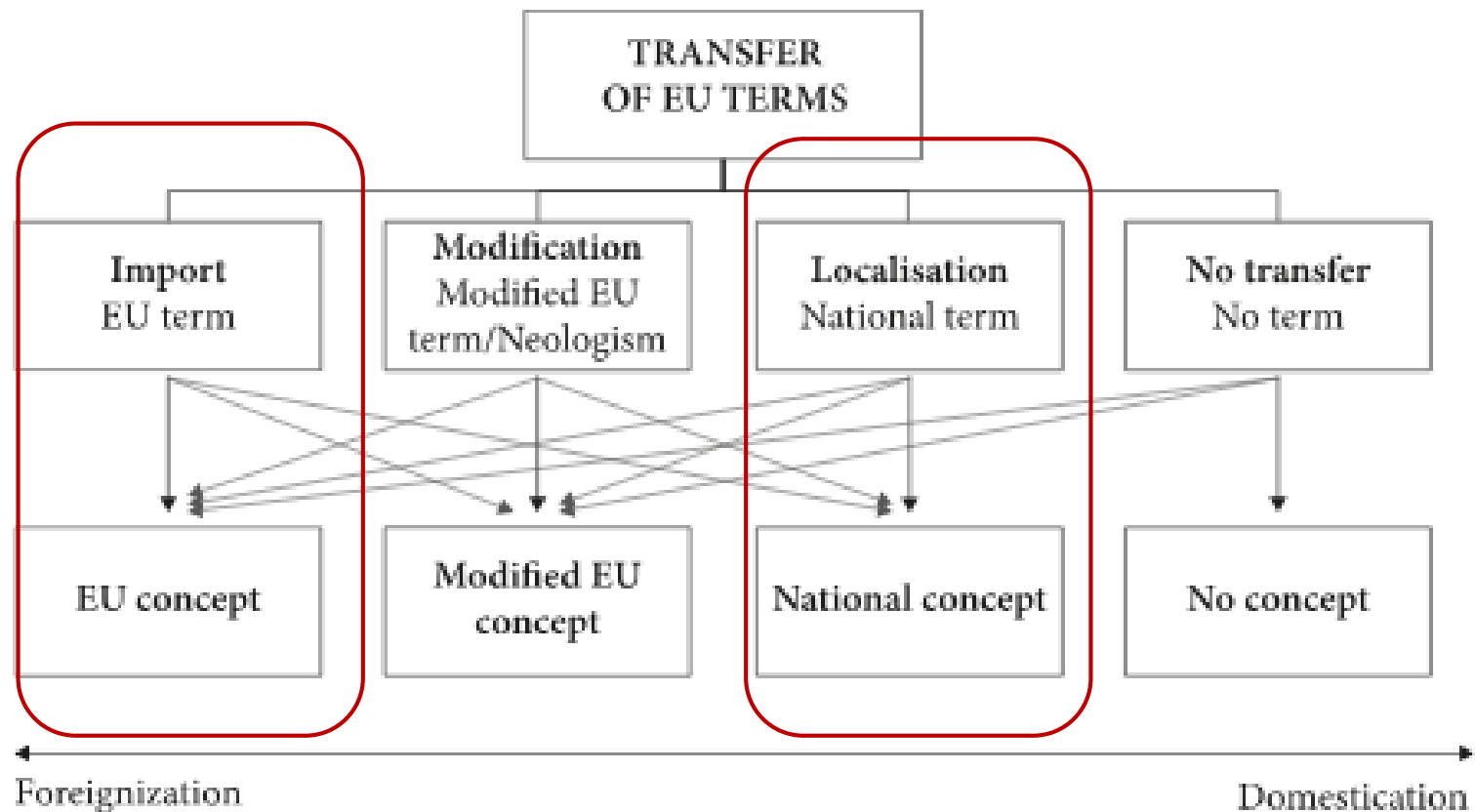
# Relevance

## AT term level

- For 'distant' languages: often no equivalence at term level
- Several methods, not only literal/loan translation
- AI: term creation – random further research needed

# Foreignisation and domestication at concept and term level

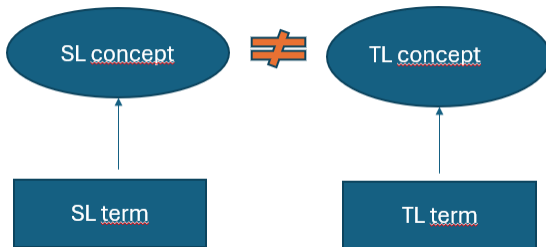
- Biel and Doczekalska (2020)



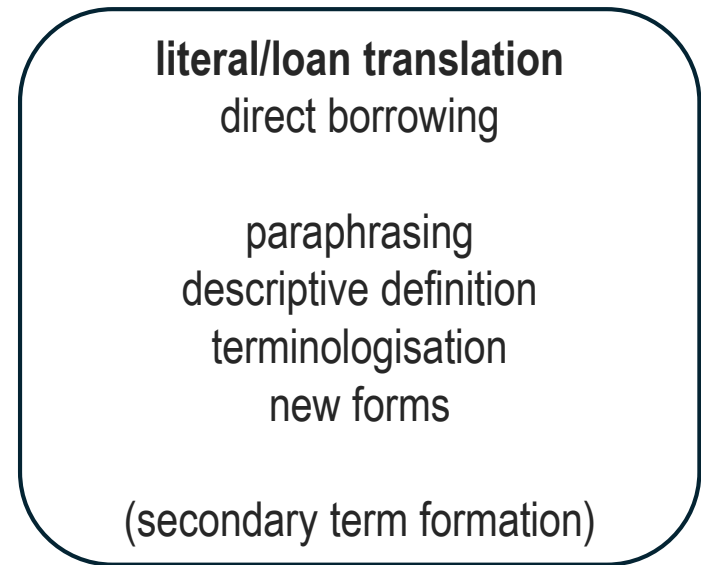
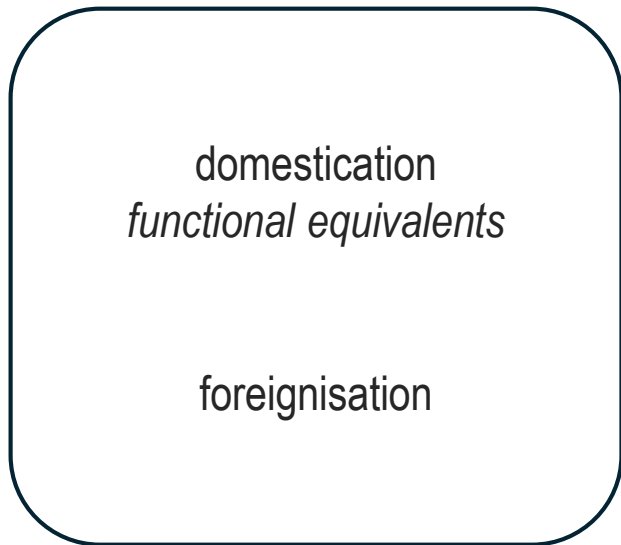
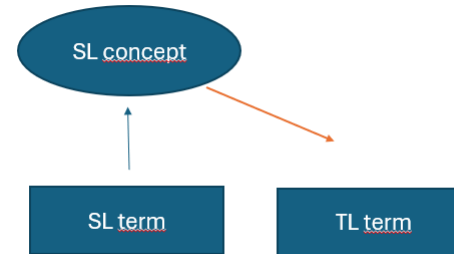
# Relevance

## Term variation

### Concept level



### Term level



Danger: here also: random use by AI

# How to enhance quality?

Instructions

Purpose of translation



Good prompts



Do we have **unambiguous terms** for the description of terminological choices?

# Strategic terminological choices - in literature (and practice)

**Domestication**

localisation

naturalisation

assimilation

familiarisation

(Baaij 2015)

acculturation

(Bassnett 2005)

functional  
equivalent

**Foreignisation**

externalisation

(Baaij 2015)

methods of  
secondary term  
formation

# The terminology of terminology

STRATEGY at concept level	domestication	foreignisation
RESULT	functional equivalent	translational equivalent
METHOD	„matching”	translation (secondary term creation) by
		<i>literal/loan translation (calque)</i>
		<i>direct borrowing</i>
		<i>new forms / terminologisation</i>
		<i>paraphrasing / descriptive def.</i>

Fischer 2025, forthcoming

# Conclusion 1

## Terminological competence

- Awareness of equivalence issues at:
  - **concept** and
  - **term** level
- Awareness of the notion and implications of
  - **domestication** (functional equivalents) and
  - **foreignisation** (translational equivalents)
  - methods of secondary term creation
- Ability to recognise and deal with **term variation**
- **Critical** attitude to resources and AI tools, etc.





# Conclusion 2

## Advances in NMT / AI

- BUT pitfalls in terminology
- BUT human involvement is needed
  - Terminological competence of humans
- BUT Terminology of terminology
  - Instructions (prompts)



- Terminological competence of AI



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