

As You Like It: Event Annotation with INCEpTION

Laska Laskova, Kiril Simov, Petya Osenova,
Iva Anastasova, Preslava Georgieva

IICT-BAS
Bulgaria



Building Bulgaria-centric knowledge graph. Workflow overview



Annotation with INCEpTION. Relational scheme



predefined sets of roles

roles presented as relations (arrows)

“rigid” definition for named entities



Annotation with INCEpTION. Segmental scheme

1	ХРИСТО ЙОРДАНОВ КАЛПАКЧИЕВ, индустриалец.	PER агенс занимание област
2	HRISTO YORDANOV KALPAKCHIEV - industrialist.	
3	Роден на 24 дек. 1864 в Етрополе , умира в София на 20 юли 1920.	раждане смърт TIME време LOC-GPE място LOC-GPE TIME
4	Born on 24 Dec 1864 in Etropole, died in Sofia, 20 Jul 1920.	
5	През 1895 г. основава първото българско акционерно тухларно сдружение "Работник".	ХРИСТО ЙОРДАНОВ КАЛПАКЧИЕВ основател основане TIME ORG
6	In 1895, he founded the first Bulgarian joint-stock brickwork company "Worker".	

roles chosen by
annotator

roles presented as
segments (spans)

“soft” definition for
named entities

new
coreference/ellipsis
attribute



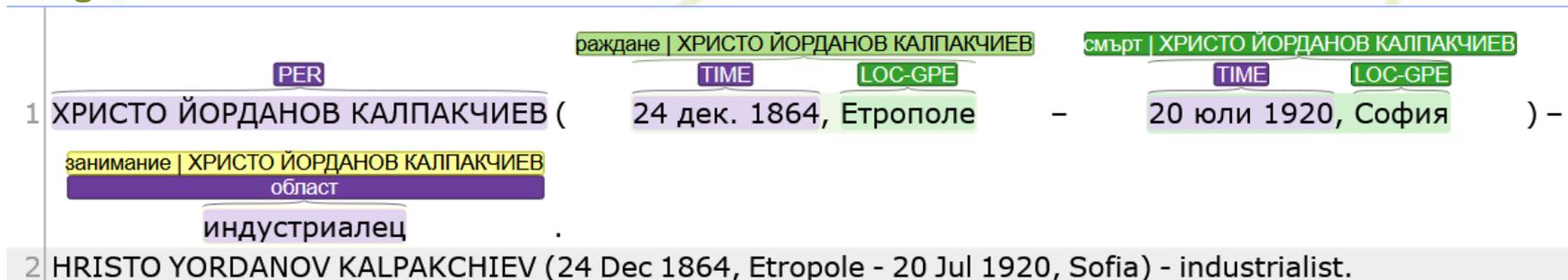
Relational vs. Segmental scheme

The no-trigger case (verb ellipsis)

Relational scheme



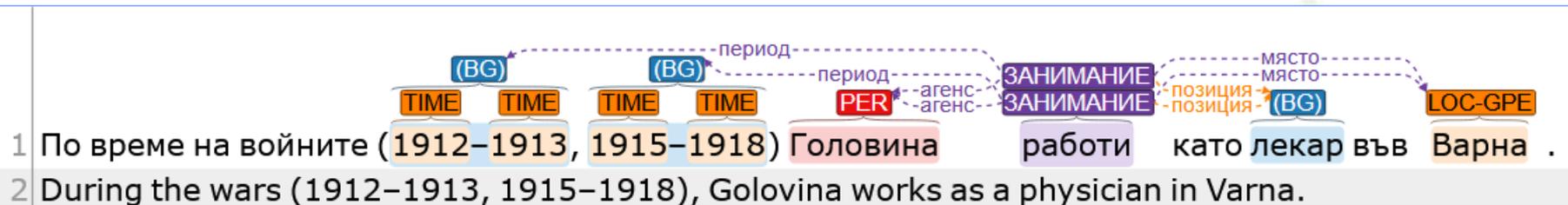
Segmental scheme



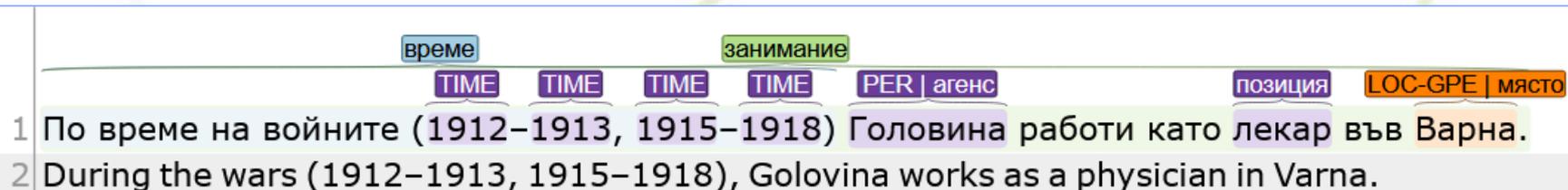
Relational vs. Segmental scheme

The more-than-one-instance case

Relational scheme



Segmental scheme



Segmental scheme. Pros and cons. Lessons learned. Future work

- less clutter
- all information in one place
- more freedom
- prone to errors
- more post-annotation work
- lower inter-annotator agreement

- semantic annotation requires efforts and commitment
- modification should be negotiated and regulated
- common language for “techies” and humanitarians is not a given

- scheme enrichment and refinement
- annotation to RDF translation
- model training
- automatic annotation augmentation



Thank you!