

Small or medium-scale focused research project (STREP) proposal
ICT Call 10
 FP7-ICT-2013-10



xLiMe – crossLingual crossMedia knowledge extraction

Participant no.	Participant organization name	Participant short name	Country
1 (Coordinator)	Karlsruhe Institute of Technology	KIT	Germany
2	Josef Stefan Institute	JSI	Slovenia
3	University of Trento	UNITN	Italy
4	Intelligent Software Components S.A.	ISOCO	Spain
5	Zattoo Europa AG	ZATTOO	Switzerland
6	Vico research & Consulting GmbH	VICO	Germany
7	econda GmbH	ECONDA	Germany

RATIONALE, OBJECTIVES

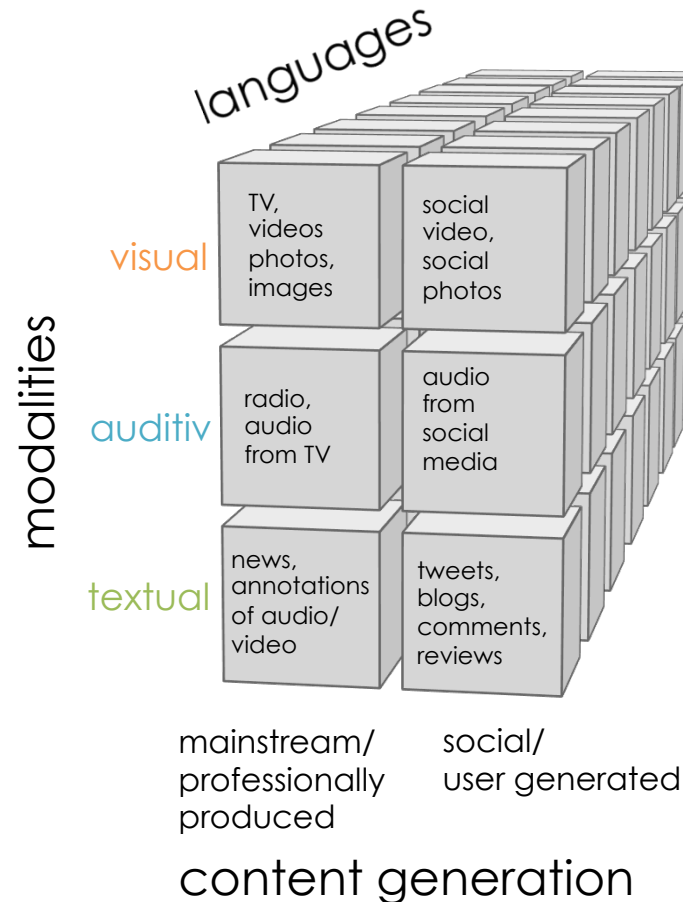
Motivation of our proposal

Knowledge in the EU is fragmented...

- across diverse content types (audio, video, text) and different channels (mainstream, social media).
- across many languages and local contexts.

So far, information can only be analysed independently for each dimension. This restricts the extractable knowledge and keeps it fragmented.

3 Content Dimensions of Media



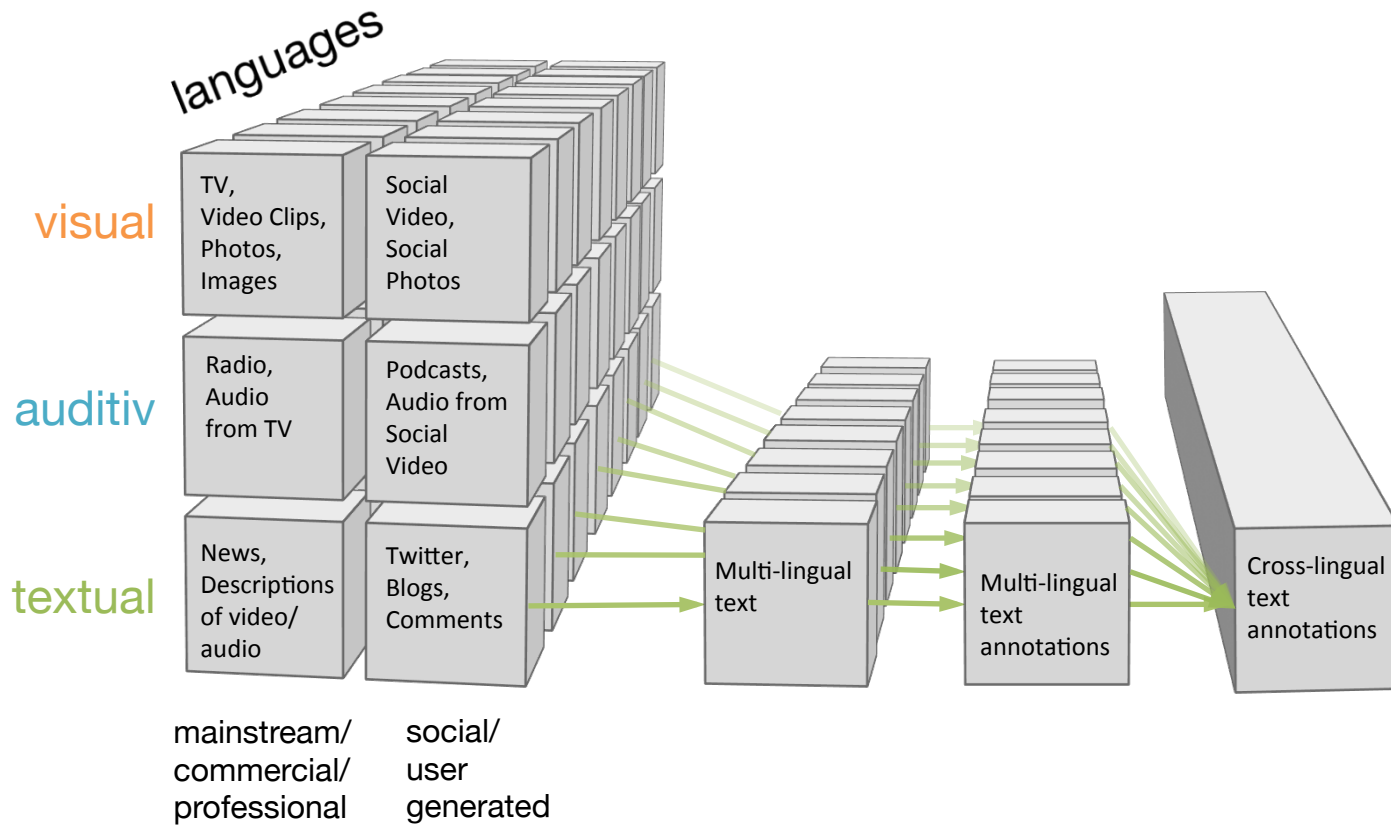
xLiMe contribution

Extract knowledge from different media channels and languages and relate it to cross-lingual, cross-media knowledge bases.

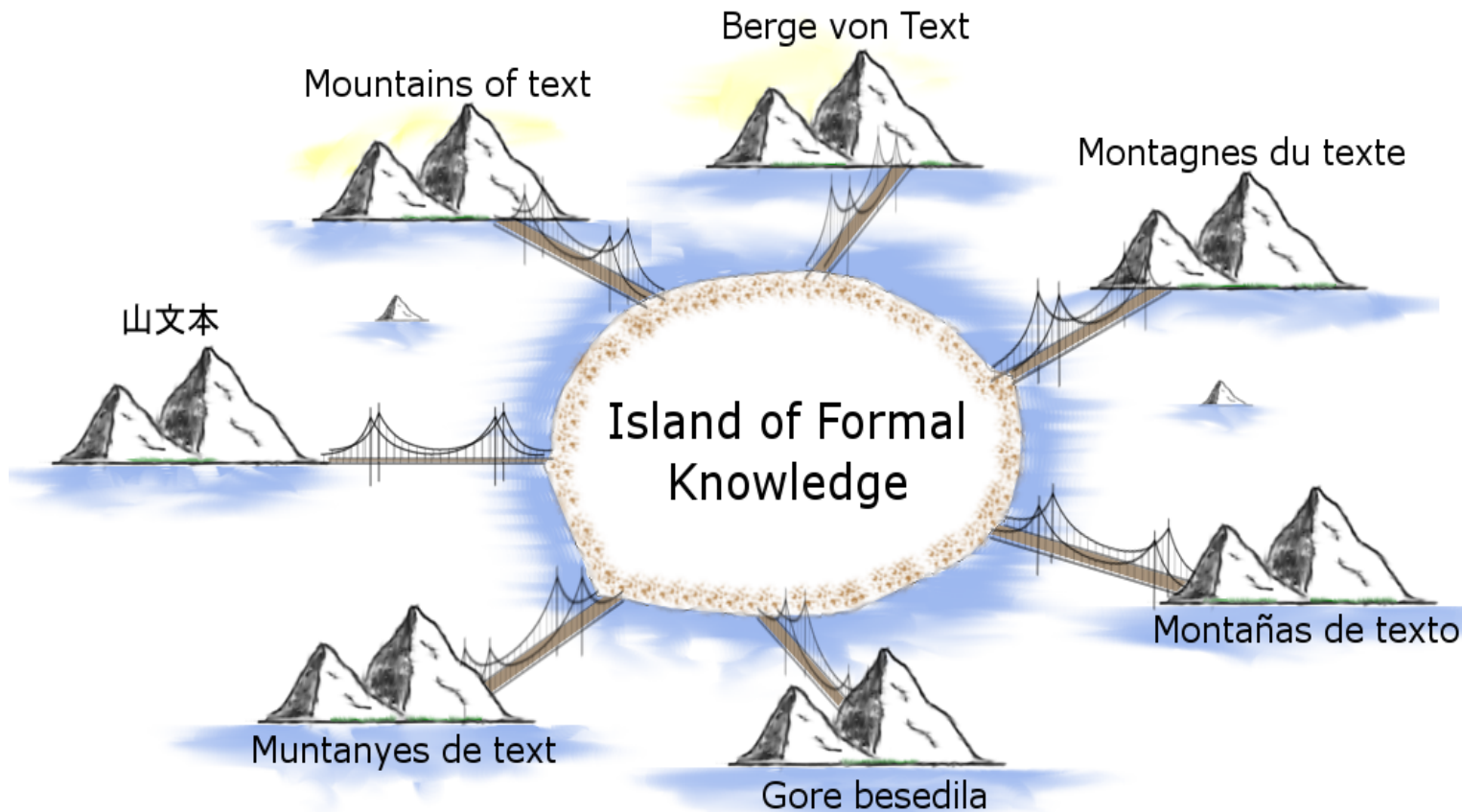
→ Provide a continuously updated and comprehensive view on knowledge diffusion across media and across languages.

APPROACH

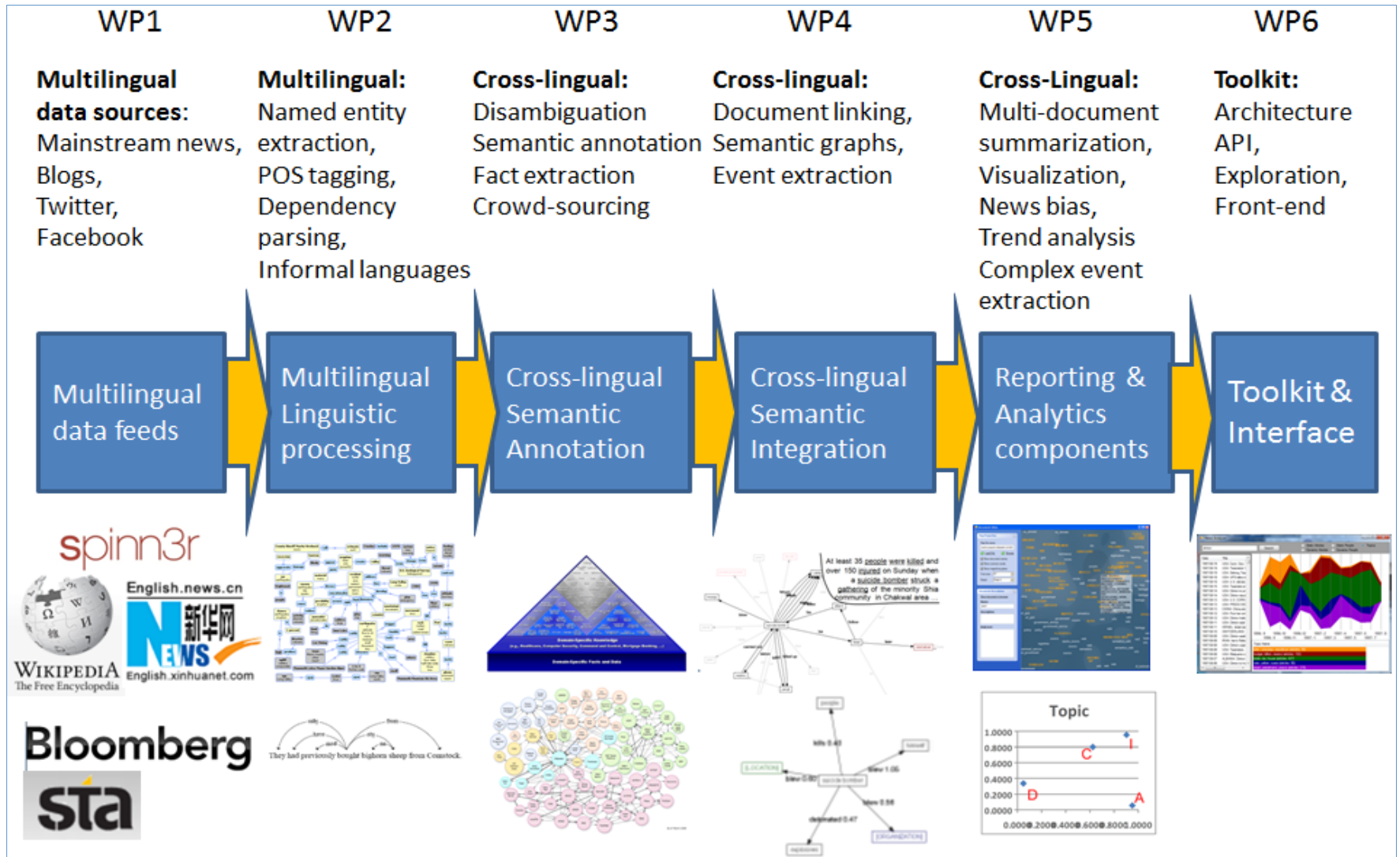
Cross-lingual Text Processing Pipeline (XLike)



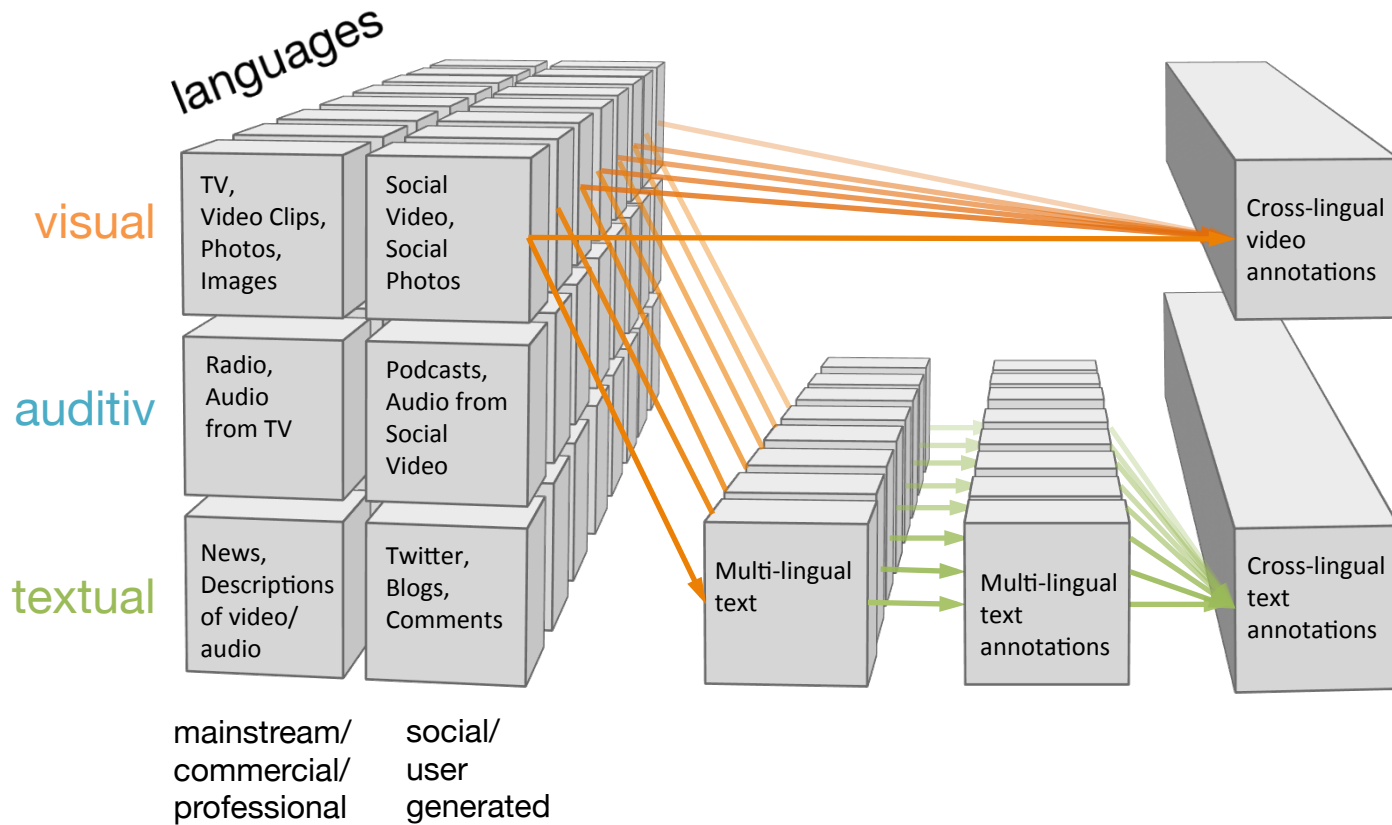
Goal of XLike: logic and statistical interlingua



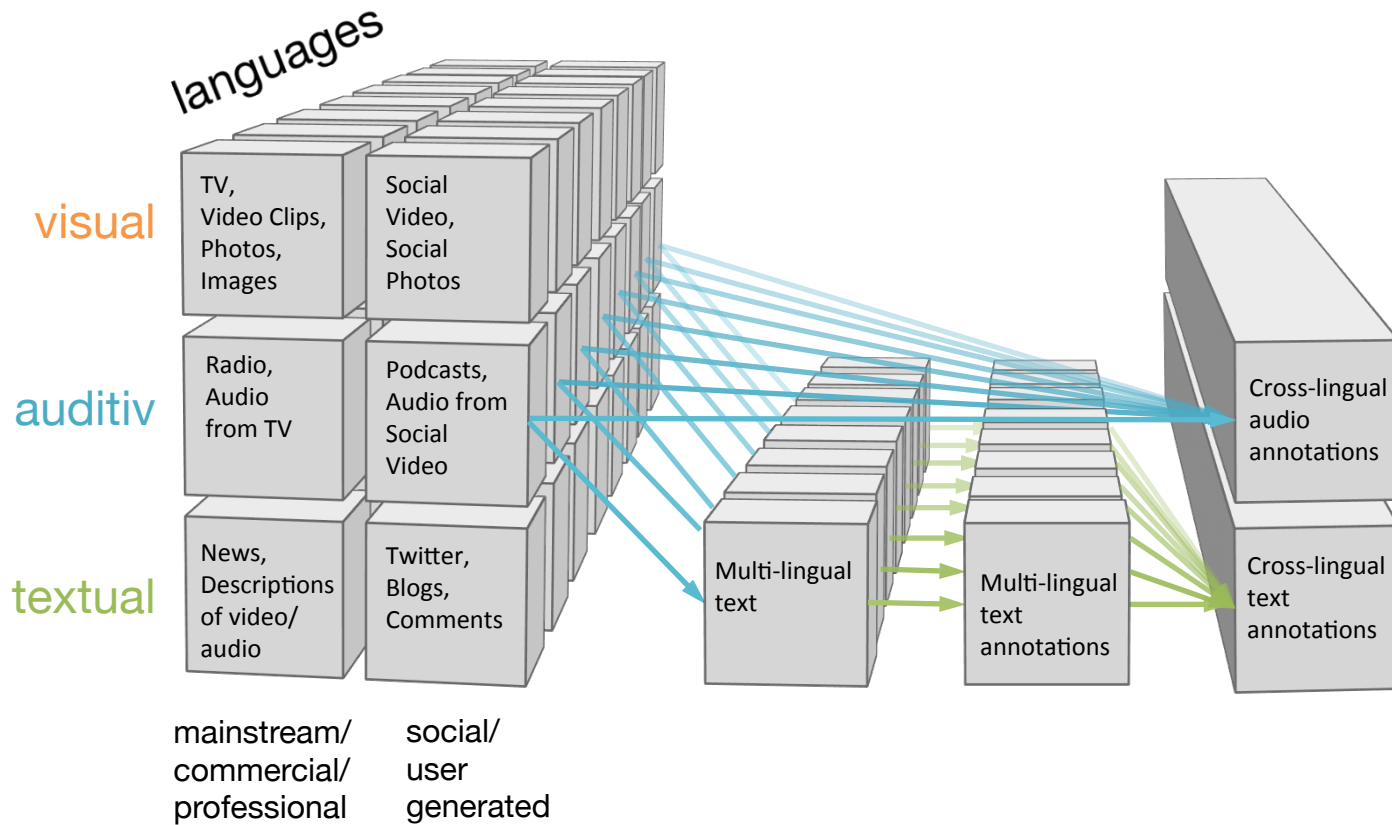
The XLike processing pipeline



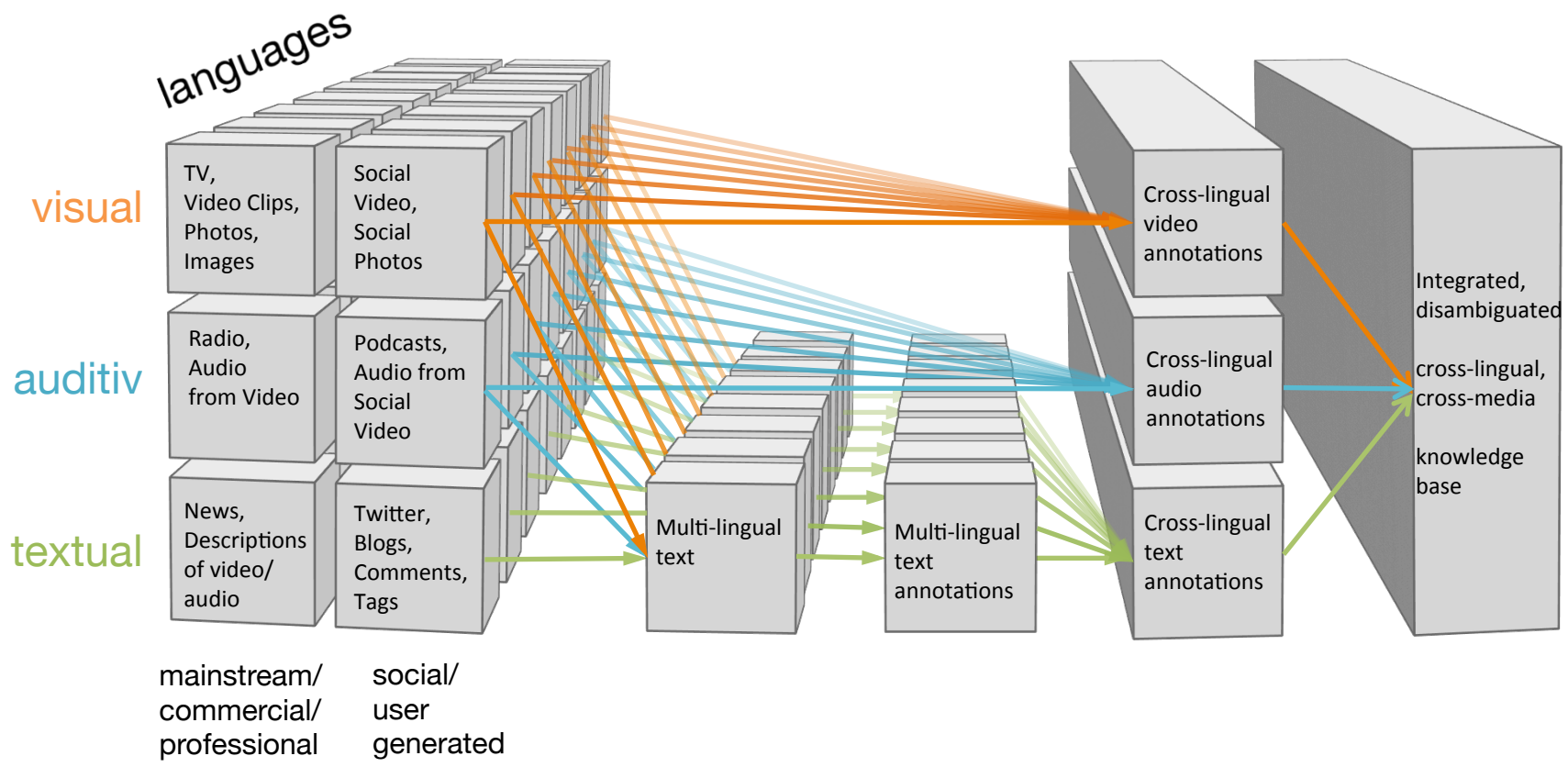
Cross-lingual Video Processing Pipeline



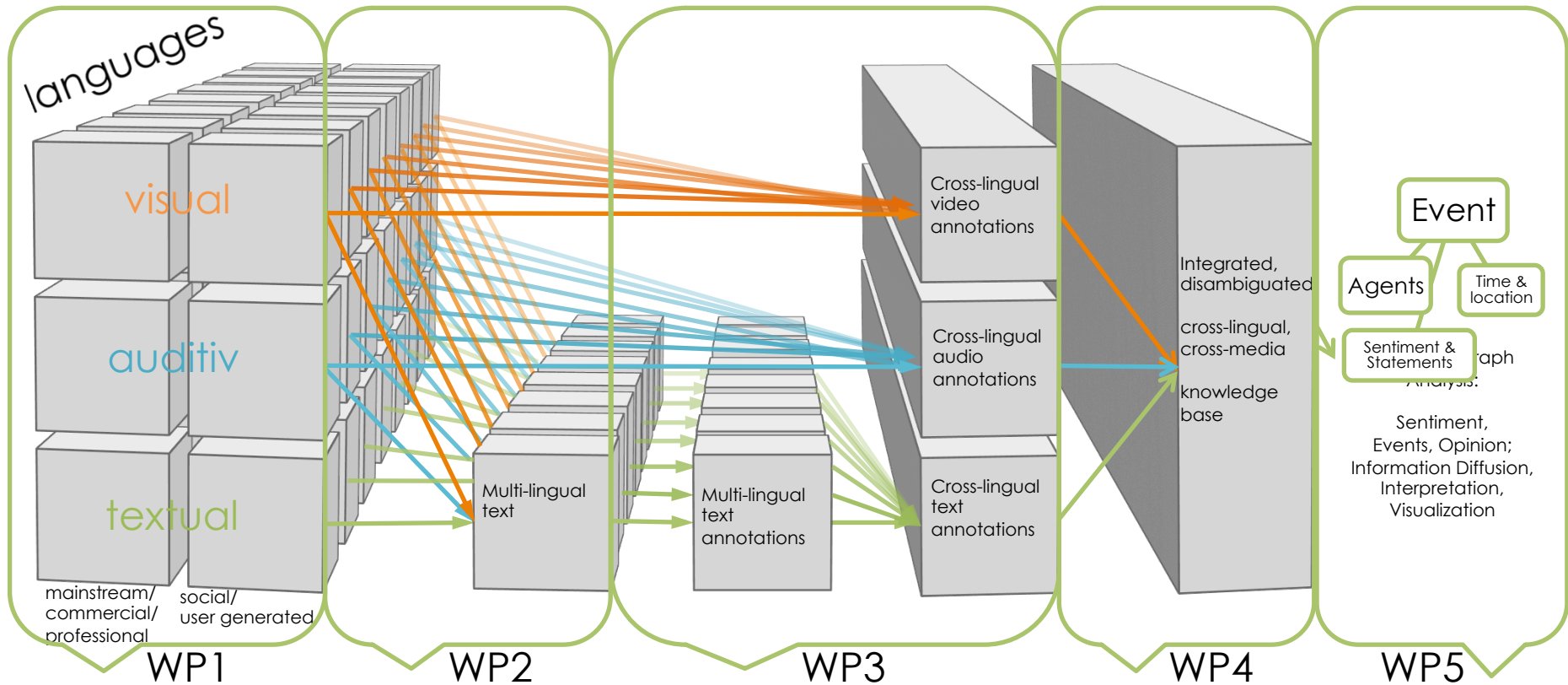
Cross-lingual Audio Processing Pipeline



Cross-media and Cross-lingual Processing Pipeline



WP Structure

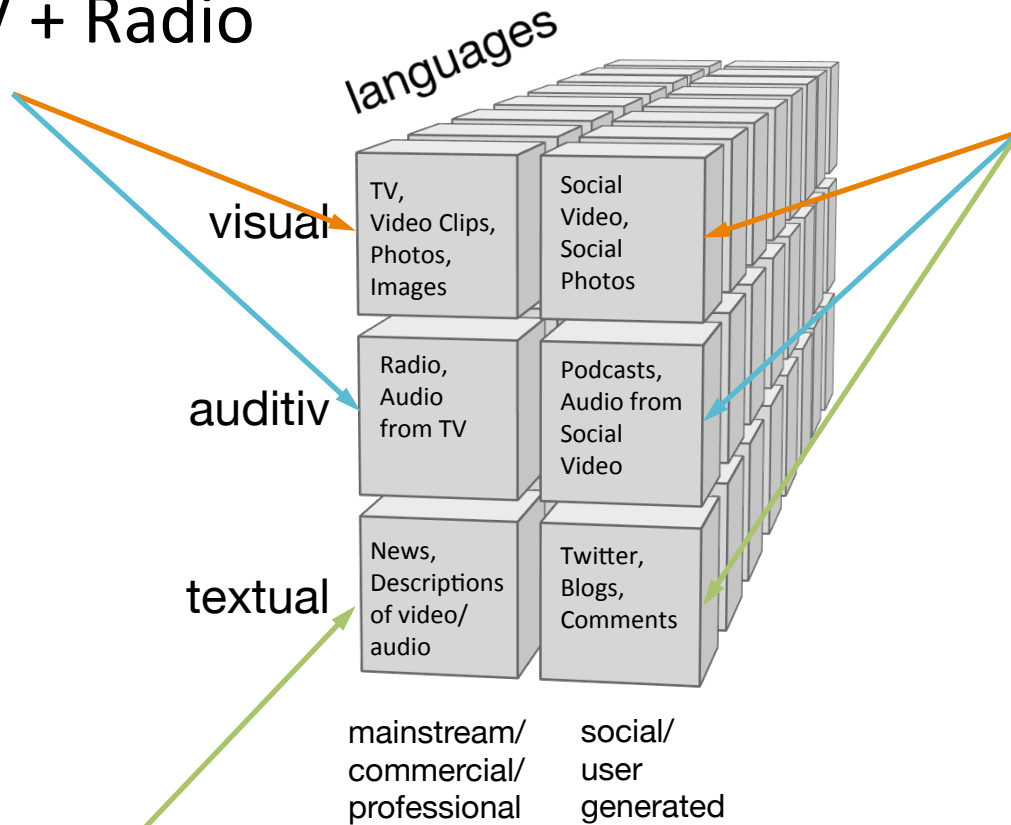


ROLES of PARTNERS

Data Partners

Zattoo: TV + Radio

Vico Research:
Social Media



JSI: News

Roles of Partners


Research &
Development of
general functionality

KIT



KIT
Karlsruhe Institute of Technology

JSI



Institut
"Jožef Stefan"
Ljubljana, Slovenija

UNITN



UNIVERSITÀ DEGLI STUDI
DI TRENTO

Integration



ISOCO
enabling the networked economy


Data & Use Cases &
Development of
specific product features

ZATTOO



ZATTOO

VICO



VICO
RESEARCH CONSULTING

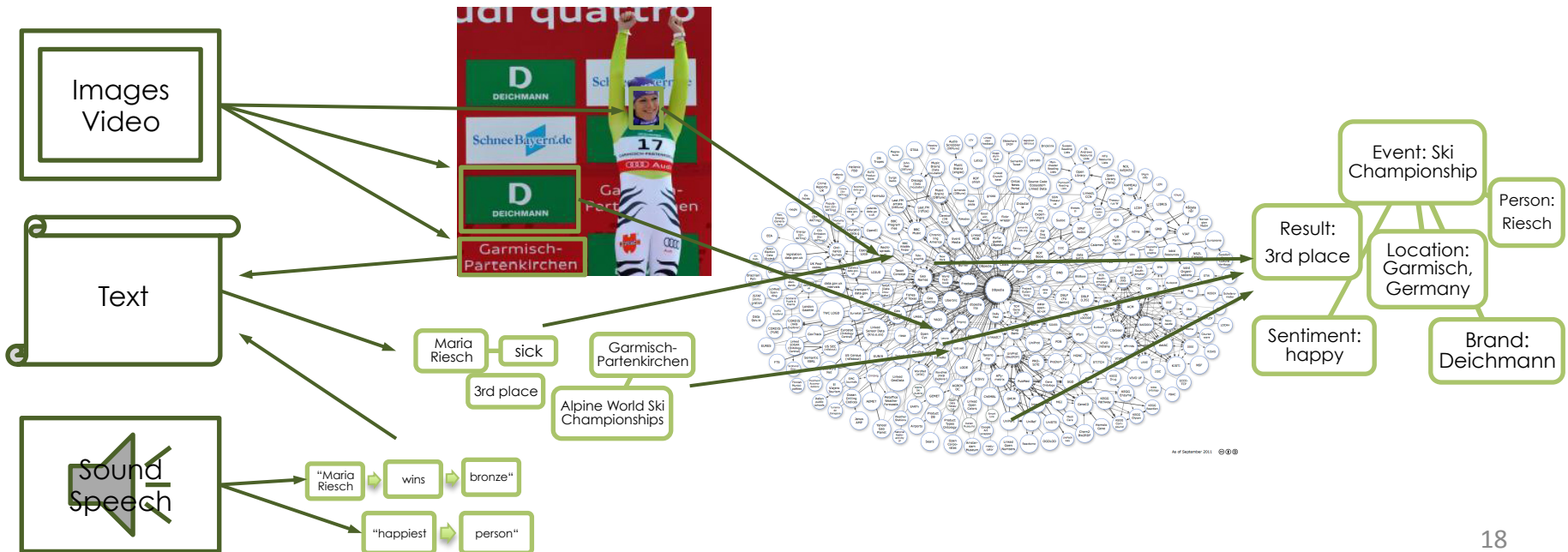
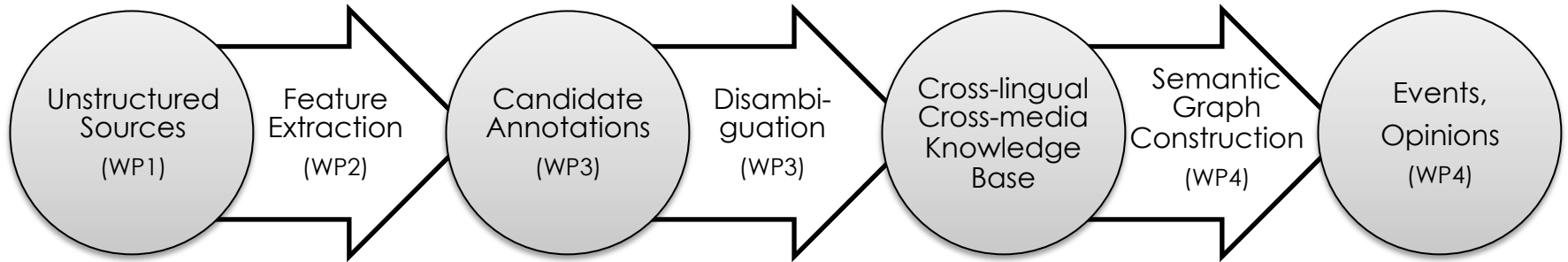
ECONDA



econda
WEB SHOP CONTROLLING

USE CASES

Use Case: Brands, Events and Sentiment Monitoring



From Data to UseCases

