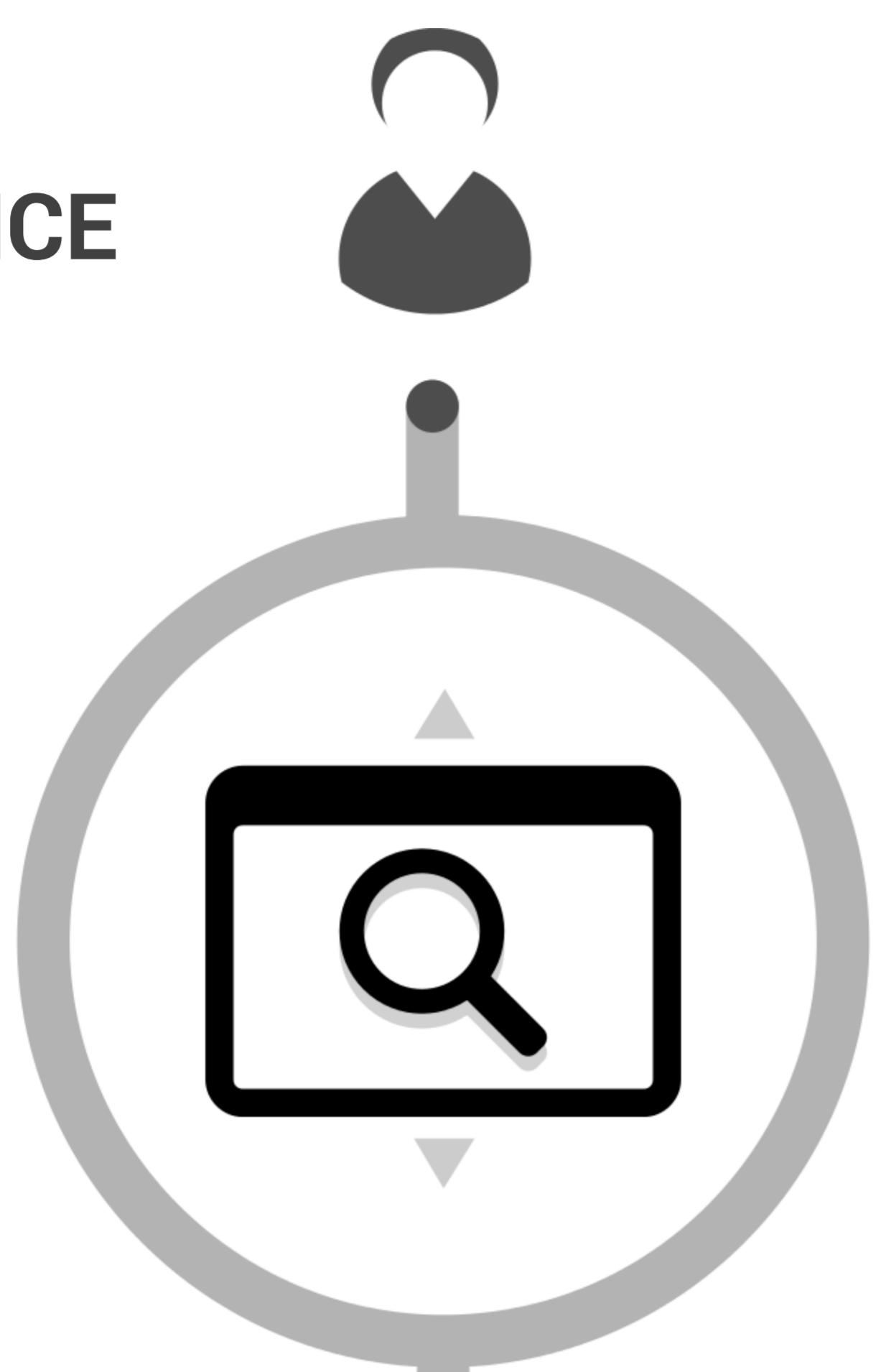


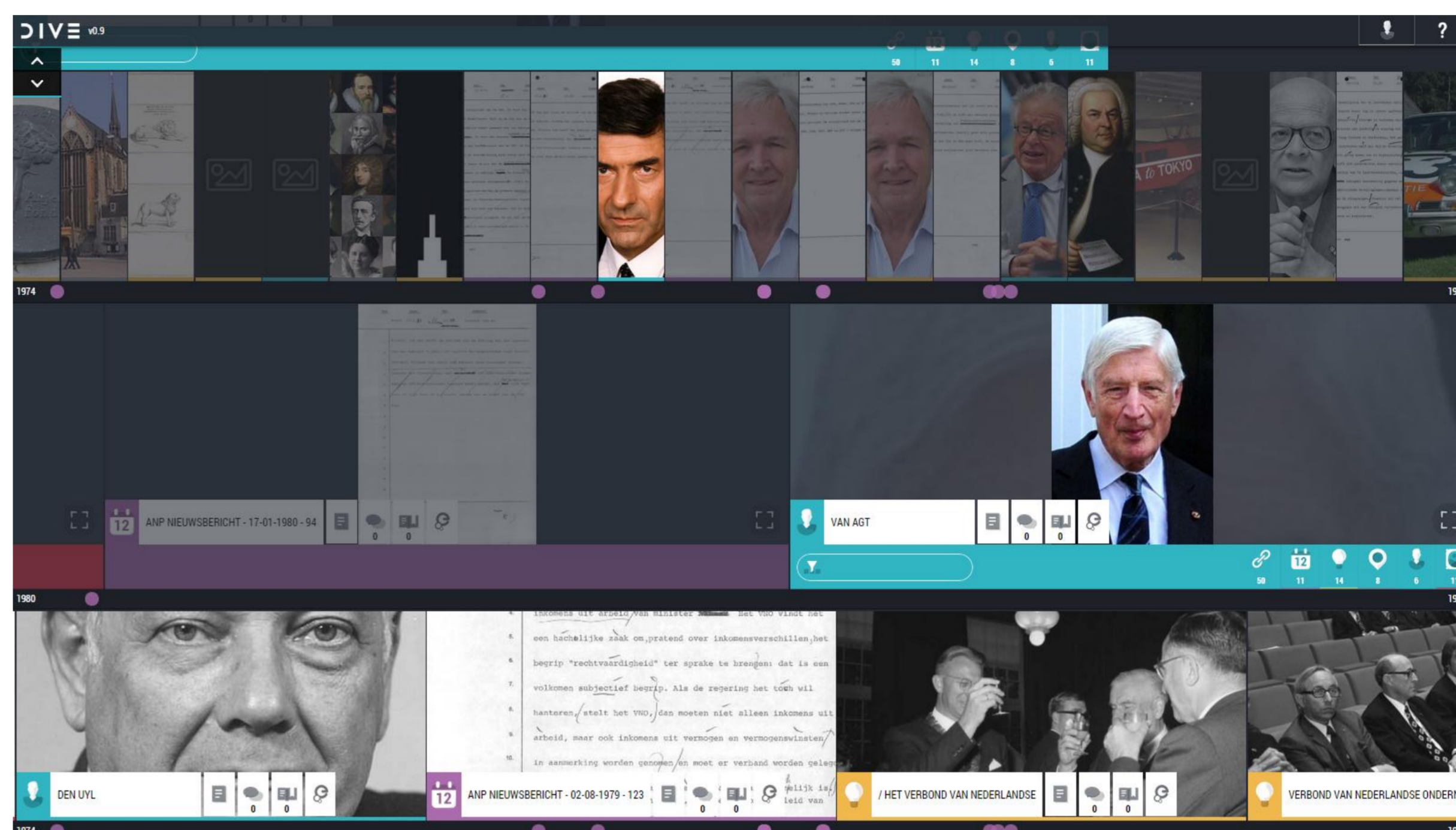
# DIVE INTO THE EVENT-BASED BROWSING OF LINKED HISTORICAL MEDIA

VICTOR DE BOER, JOHAN OOMEN, OANA INEL, LORA AROYO,  
ELCO VAN STAVEREN, WERNER HELMICH AND DENNIS DE BEURS

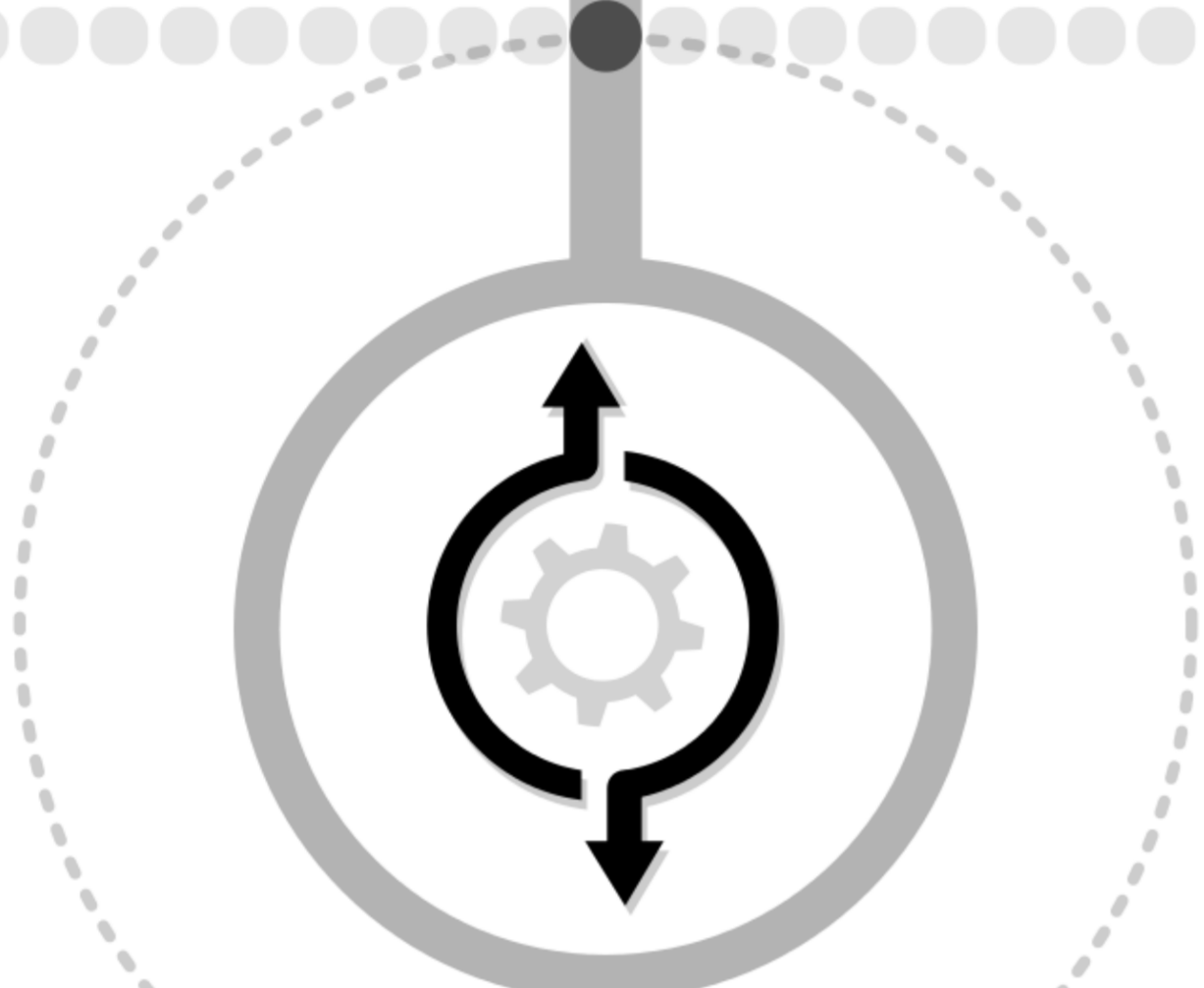
## USER EXPERIENCE



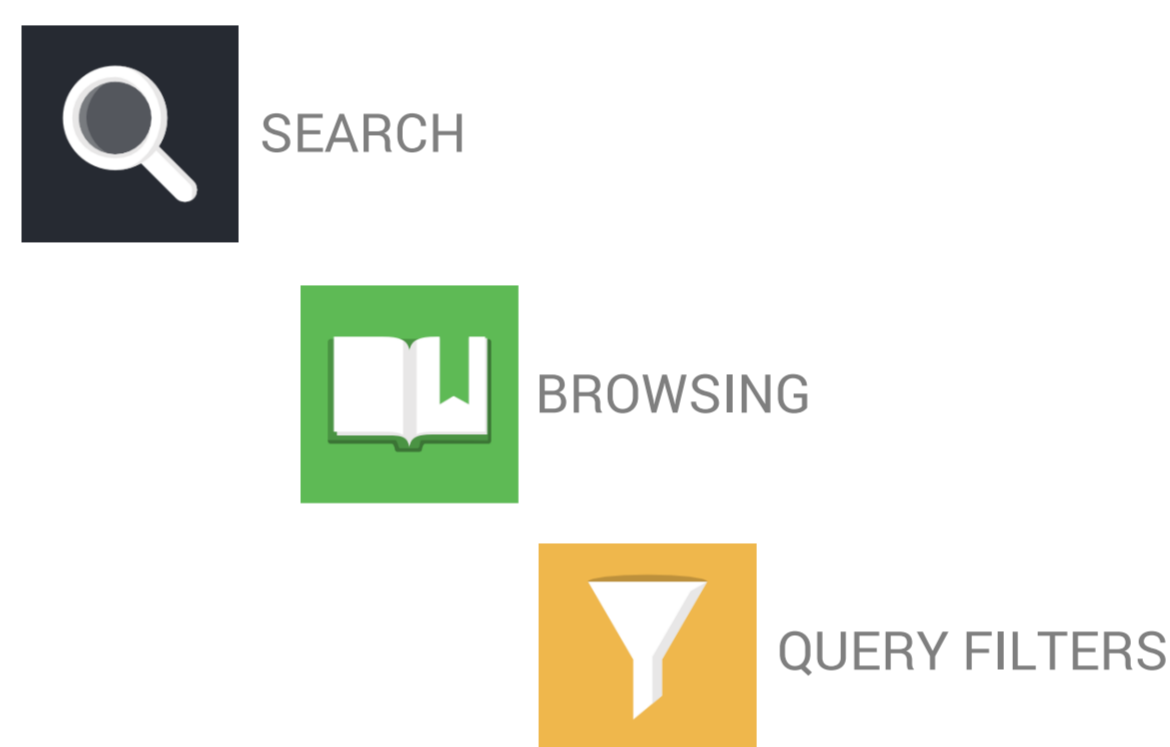
"DIGITAL SUBMARINE" UI ● PROVIDES EXPLORATIVE BROWSING ● SUPPORT FOR COLLECTION INTERPRETATION AND NAVIGATION ● TOUCH-BASED FIRST ● HISTORICAL EVENT-BASED RESEARCH AND EXPLORATION ● E.G. ART-HISTORY STUDENTS, HUMANITIES SCHOLARS



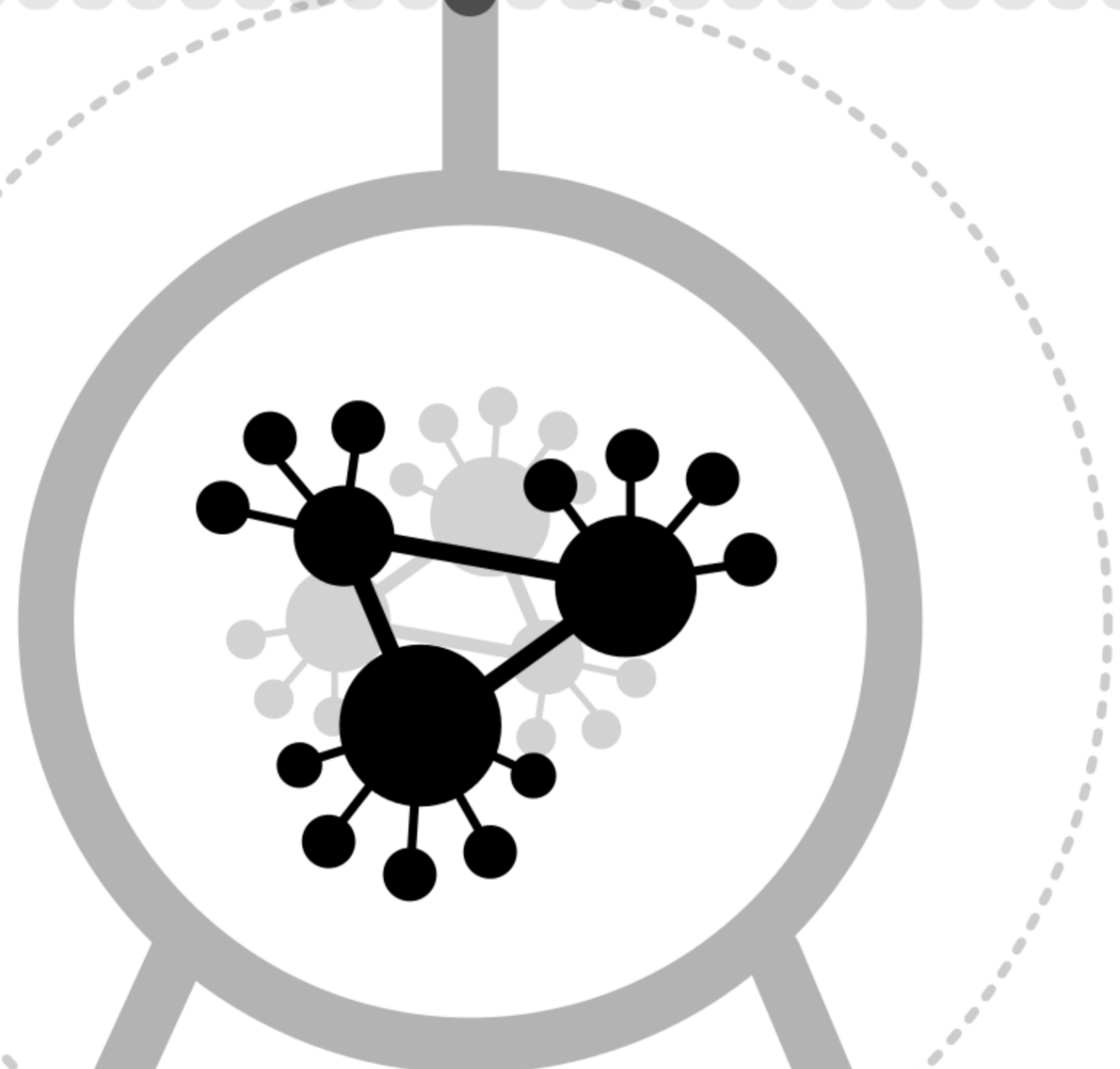
## API



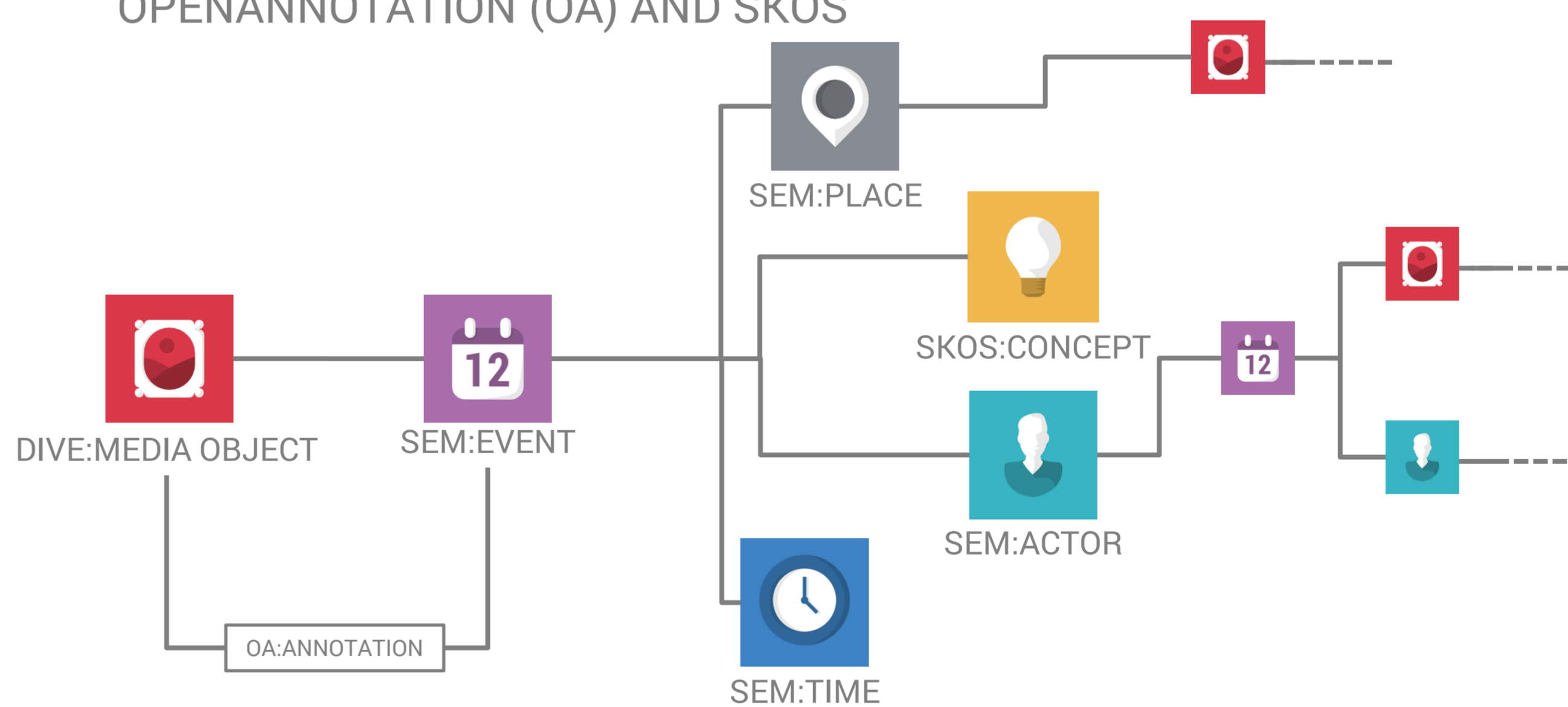
SEARCHING AND RETRIEVAL OF EVENTS AND OBJECTS THROUGH SPARQL QUERIES ● SMART IMAGE CACHE PROVIDES VISUAL REPRESENTATIONS OF ENTITIES RETRIEVED FROM COMMONS



## TRIPLE STORE



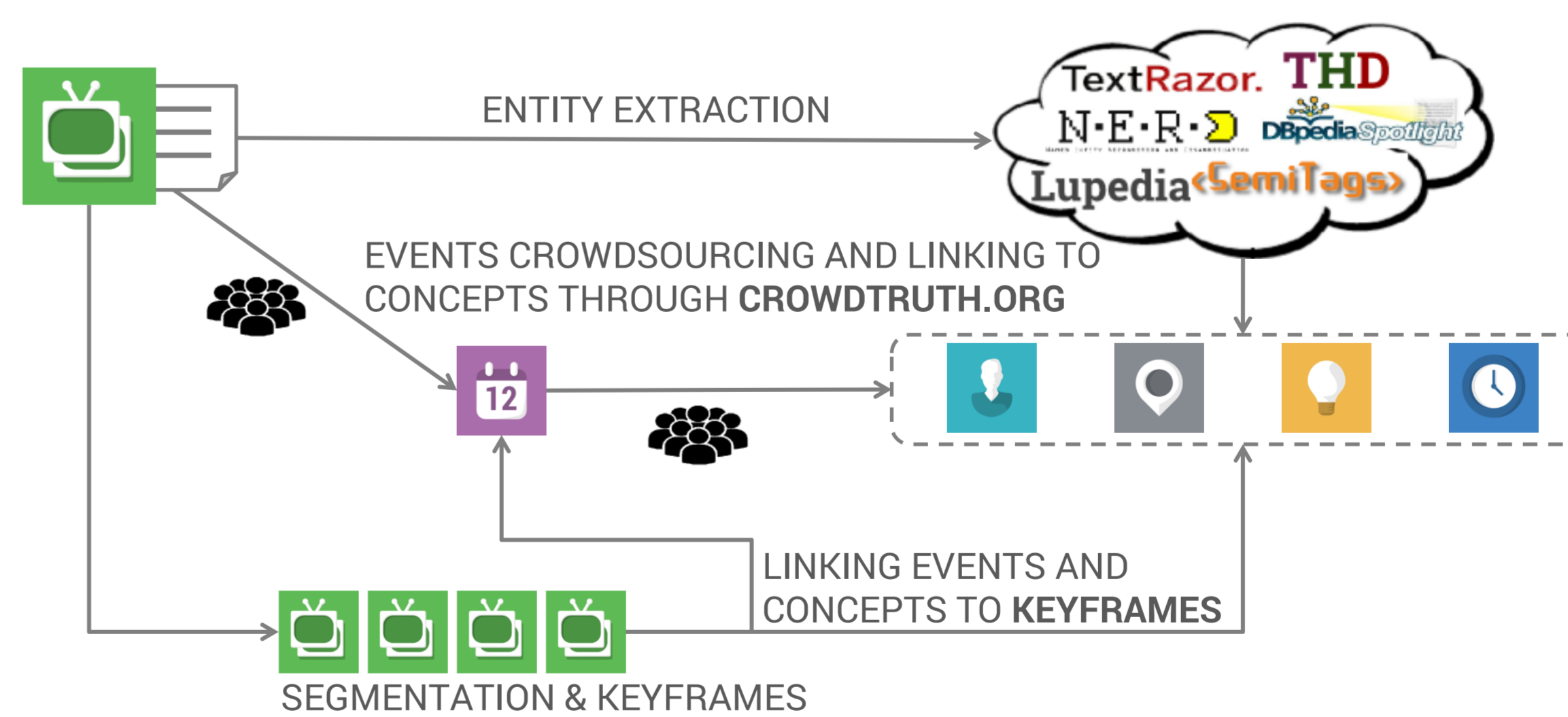
DIVE RDFS DATAMODEL BASED ON SIMPLE EVENT MODEL (SEM), OPENANNOTATION (OA) AND SKOS



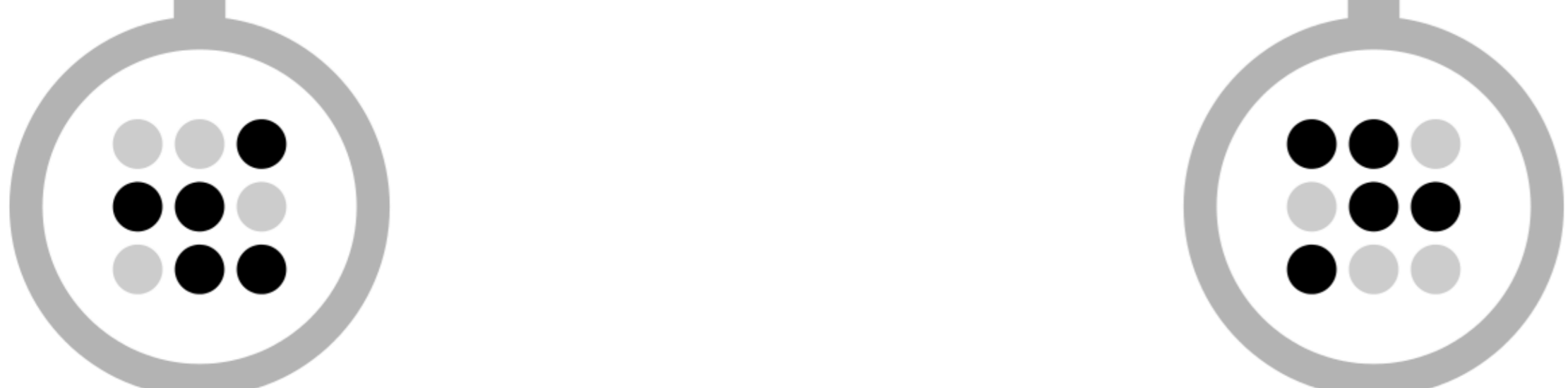
## ENTITY EXTRACTION



CROWD-MACHINE PIPELINE FOR EVENT EXTRACTION AND ENTITY LINKING



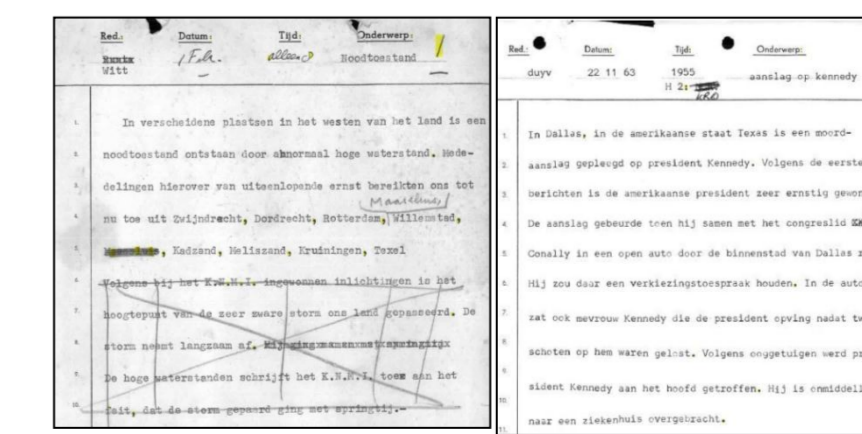
## DATASETS



MEDIA OBJECTS FROM OPEN APIS FROM CULTURAL HERITAGE PARTNERS ● VIDEOS FROM NETHERLANDS INSTITUTE FOR SOUND AND VISION ● RADIO NEWS BULLETIN SCANS FROM ROYAL LIBRARY



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