

SAILLABS

TECHNOLOGY

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META-FORUM / ELG-Summit

Oct 8+9 2019, Brussels



SAILLABS

Multimedia Processing

AUDIO PROCESSING

Music, Jingle | Speech 1 | Background noise, lip smack, breathing... | Speech 2

Good morning.....Last news from...

VIDEO PROCESSING

BREAKING NEWS | Today morning a... | Face Detection Hillary Clinton

TEXT Detection | Breaking News

TEXT PROCESSING

Transcription | Topic detection: Politics, Mr. Vice President, Location: France



Big Data & Visual Analytics

Yellow Vests

Government, Emmanuel Macron, France, Paris, Yellow Vests, Demonstrations Brussels

Statistics, Trend



Multiple Languages

- | | | |
|-----------------|-----------|------------------|
| English | Hebrew | Bahasa Indonesia |
| Arabic | Greek | Bahasa Malaysia |
| Egyptian Arabic | Norwegian | Catalan |
| German | Swedish | Russian |
| Spanish | Polish | Romanian |
| Mexican Spanish | Farsi | Mandarin |
| French | Czech | Slovak |
| Italian | Albanian | Hungarian |
| Pashto | Urdu | Turkish |
| | Dutch | Croatian |
| | | Bulgarian |

Media Mining Feeders



Traditional Media



Web



Social Media



Photo and Video Sharing



Messaging



Email / Newsletter



Image



Video



Audio



Text



Compressed Audio/Video



Images



PDF



Metadata

Media Mining Indexer

Visual Processing

Keyframe Extraction
Face Detection/ID
On-screen OCR
Logo Detection

Audio Processing

Segmentation
Speaker ID/Clustering
Age/Gender Detection
Speech Recognition

Text Preprocessing

Cleaning & Normalization
Tokenization

Text Processing

Named Entity Detection
Story Segmentation
Topic Detection
Sentiment Analysis

Machine Translation



Media Mining Server

GeoServer	Web Server	Keyword Translation
Database	Media Server	Profiles & Ontologies

Media Mining Client	Decision Maker Interface	Crisis Room	3rd party clients
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Media Mining Feeders



Traditional Media



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Social Media



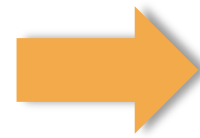
Photo and Video Sharing



Messaging



Email / Newsletter

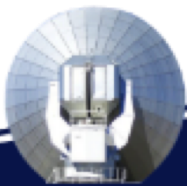


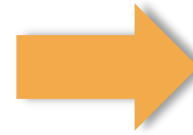
Data Ingestion Components

- Language agnostic
- HW dependent elements (digital SAT)
- Dynamic field
 - + New platforms
 - + Changing interfaces/APIs
 - + Changing terms and conditions
 - + Changing legal environment (GDPR)

ELG Benefits

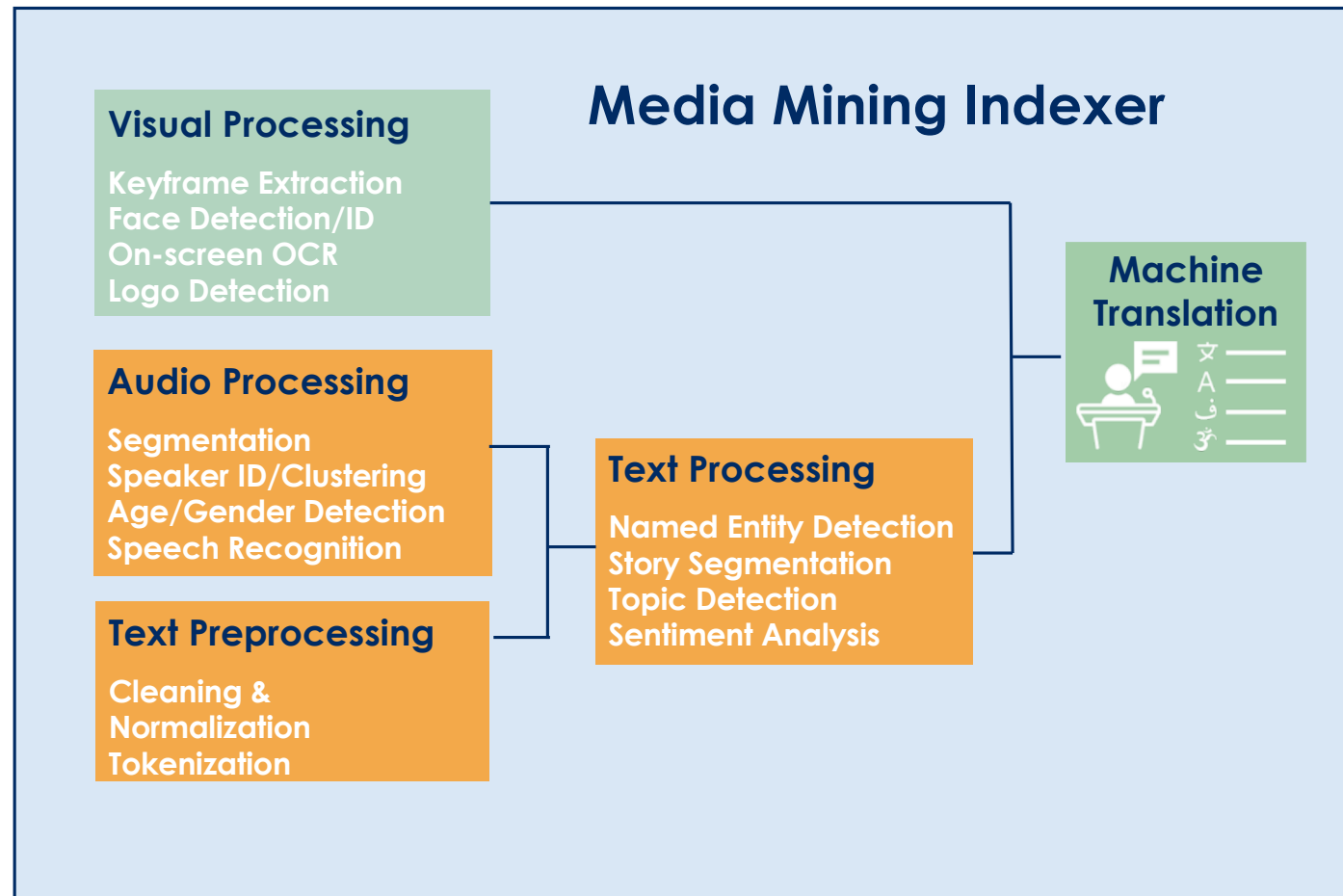
- Licensing of components (supply and demand)
- Portfolio extension





Data Enrichment Components

- Language (in-)dependent
- HW independent
- Media types
- Toolkits (LMT, SIDTK,...)

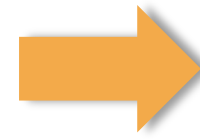


ELG Benefits (supply)

- Licensing
 - Components
 - (derived) models
 - Volume-based licenses
- Components (supply and demand)
- Training/Support



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	 Urdu	 Croatian
	 Dutch	 Bulgarian



Language Development

- Corpora
- Models
- Consulting / Support



ELG Benefits

- Models (supply and demand)
- Data (supply and demand)
- Services



Innovation



Products Processes Services
Where to innovate?

Focus

Value chains

Standardization

Radical /
disruptive /
breakthrough

Intensity How to innovate?

Incremental /
sustainable

Improving features

Academia & Industry

Network / Community

Boundaries

Supply / push

internal

With whom to innovate?

With partners

Demand / pull

Creation of market

Extension of services

Product portfolio extension

Business creation

Why innovate? **Objective**

Business refinement

Reducing costs

Improving efficiency

Customer experience

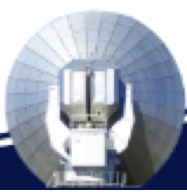
Product Performance

Channel

Brand

Marketplace

Rapid Prototyping



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Danke - Thank you - Merci - Gracias - Danke je - Terima kasih - Dziękuję - Спасибо - شكراً - Takk - Tack - Grazie - Gràcies - 感謝 - Ευχαριστώ - תודה

SAILLABS

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