

# Being Digital and Multilingual Europe's Opportunity for Global Leadership

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## Language-neutral Digital Single Market





## VP's Vision – Our Challenge





"Consumers need to be able to buy the best products at the best prices, wherever they are in Europe."

Vice-President Ansip, Dec 2014

Accelerating growth through a connected Europe: Speech at GSMA Mobile 360 conference in Brussels http://europa.eu/rapid/press-release\_SPEECH-14-2420\_en.htm

### CEC to the EP, Council, et al.





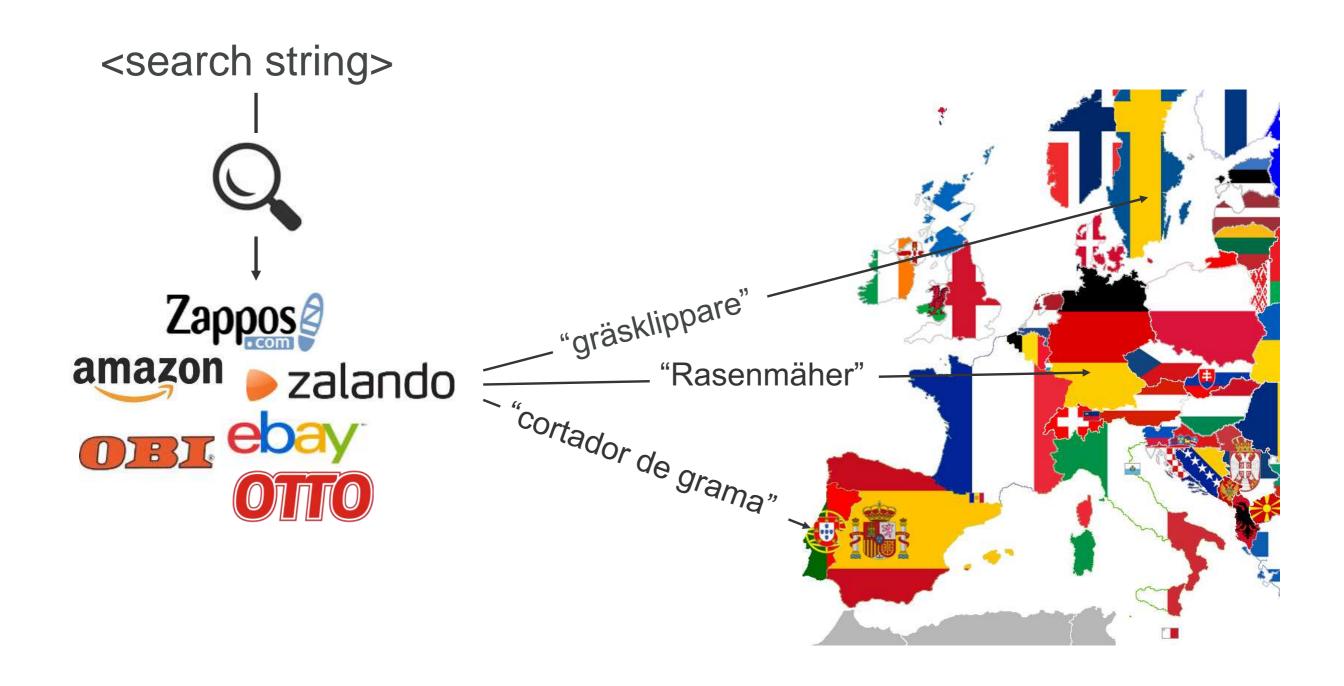
"...consumers should not be unfairly discriminated against when accessing content or buying goods and services online due to their nationality, residence or geographical location..."

"...restore Europe as a world leader in ICT..."

Last week's leaked Commission's Digital Market Strategy for Europe

## Broken already by a Simple Search





#### **Customers/Citizens Control Content**



ENGINES. ON PAGE SEO CONSITE IS ONLY AS GOOD AS ITS CONTENT WILL TAKE IT
THE ROOT OF CURRENT TRENDS 'F CONTENT IS AT THE HEART OF A SEARCH ENGINE
GAME PLAN, OUR DEDICATED SEARCH TEAM AND CONTENT WRITERS START OF

## KNOWLEDGE

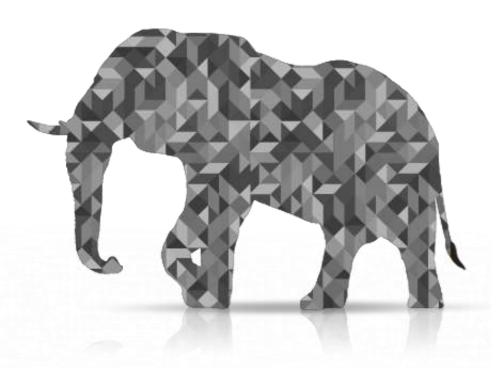
WEBSITE ARCHITECTURE MANIPULATION, IMAGE TAG OPTIMIZATION AND SITE MAP IMPLEMENTATION AND SUPERIOR HENGINES. ON PAGE SEO, ALTHOUGH MENTIONED AS "BASIC", IS STALL A EXPERIENCE AND TALENTS TO IMPLEMENT IN A CONCENTE MARKER IN A STALL AS A REGOOD AT IT! OFF PAGE SEO IS AN ALL-ENCOMPASSING TERM THAT FOR

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RT INCREDIBLE SERVICES FROM OTHERS
NDED LOCALIZED FEEL, GETTING LISTED
NDED LOCALIZED FEEL, GETTING LISTED
SEARCH ENGINE SURVIVAL ALL SEARCH ENGINES SPEND SIGNIFICANT THE
BASED ON YOUR LOCATION AND BASED ON YOUR REGIONAL SEARCH THEM
YOUR BUSINESS TO RANK ON THE SEARCH ENGINES ON LOCAL SEARCHES, AN
REGIONAL OR NATIONAL AT INCREDIBLE MARKETING, WE SPECIALIZE IN CE
EXPOSURE ON THE WEB AS POSSIBLE - INCLUDING NATIONAL REGIONAL
MOBILE SEARCH IS TAKING OVER - DID YOU KNOW THAT? DID YOU ALSO KNOW
FOR MOBILE SEARCH AND STANDARD SEARCH ARE DIFFERENT? PROBABLY IN
MANY PEOPLE DO NOT UNDERSTAND THAT MOBILE SEARCH IS ITS OWN BEA
BECOMING IMPORTANT TO FOCUS ON, CURRENTLY, ABOUT 40% OF ALL S
WORLD COME FROM A MOBILE DEVICE, AND THAT NUMBER IS GROWING EXPO

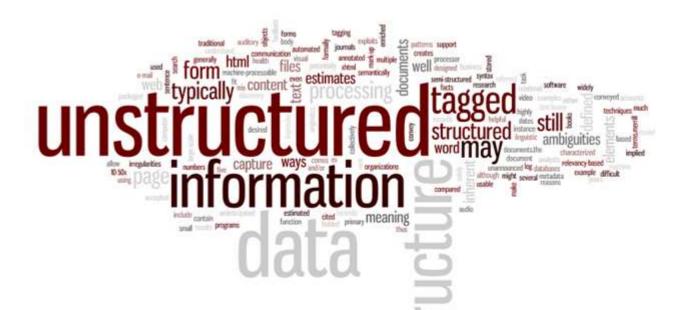


## Big = Unstructured = Text = Multilingual





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#### Is Machine Translation the Answer?



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Machine Translation





Text Analytics



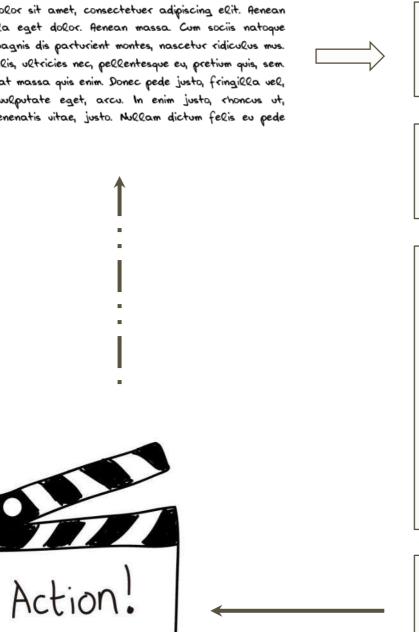
Attention: MT quality depends on available resources in language and domain. Inaccuracies multiply in the process.

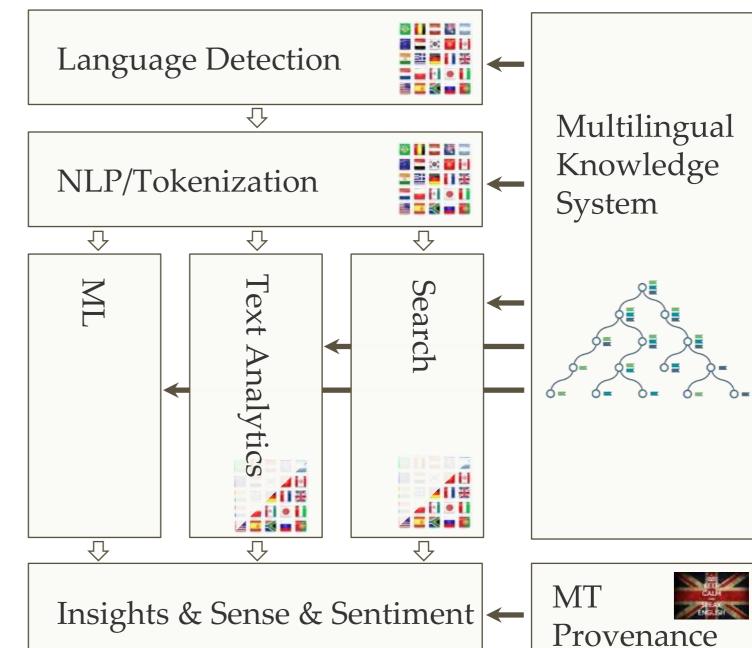
0.8 MT x 0.8 Sentiment Analysis = 0.64 hit rate!

## **Processing Multilingual Data**



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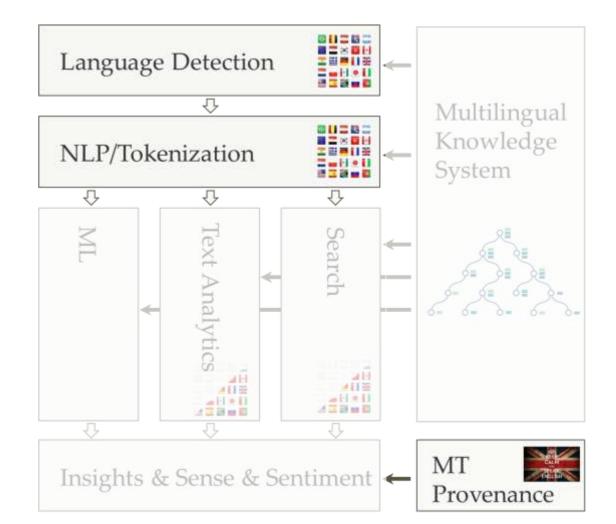


## I) European Language Cloud



For companies who process text the European Language Cloud is a web-based set of APIs that provides the basic functionality to build and market products for all languages of the DSM and Europe's main trading partners.

Unlike previous incomplete attempts to solve multilingualism **ELC** provides easy-to-use API calls in a reliable base quality under the same favorable terms.



## II) Interoperability Information Infrastructure



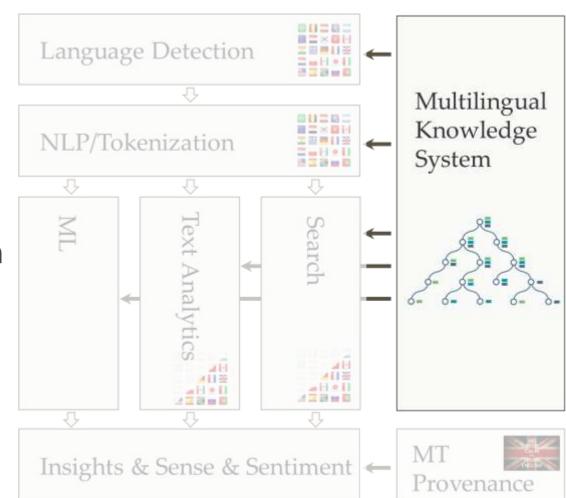
A system which translates concepts or terms between different domains, communities or levels of abstraction.

#### ISA's EU Interop Framework (EIF)

- The precise meaning of exchanged information is understood by **all** stakeholders...
- ...and preserved throughout exchanges.
- At back-office level, the underlying information architectures should be linguistically neutral so that multilingualism is not a blocking issue.

#### eSENS SAT Semantics

- Domain Knowledge Mapping
- Semantic Mapping Services
- Terminology Services



## Turning a Challenge into Leadership



If we manage, in spite of our many cultures and languages, to create a Digital Single Market and cross-border eGov, we will become the fittest for the global market.





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Manage Enterprise Knowledge Globally Across Languages