FREME is a 2-years innovation action which started in February 2015 with the aim of creating a commercial-grade open framework of e-Services for multilingual and semantic enrichment of digital content. FREME addresses the general systemic and technological challenges to validate that technologies impacting this field are ready for their integration in real life business cases. For this reason, 4 real world business cases are bringing the FREME innovation directly to the market.

**DIGITAL PUBLISHING**
Authoring and publishing multilingually and semantically enriched eBooks

**TRANSLATION & LOCALISATION**
Integrating semantic enrichment into multilingual content in translation and localisation

**AGRICULTURE & FOOD DOMAIN**
Enhancing the cross language sharing and access to open agricultural and food data

**PERSONALISATION**
Providing multilingual and personalised Web content recommendations
**Towards FREME based commercial grade applications**

A plugin for the credit card using e-Services for multilingual enrichment of digital textual content

Enriching digital content with extra information involves a great deal of manual work such as looking up, copying and pasting text & images, and uploading audio or video fragments.

The author of a text has a wealth of information at his fingertips. The e-Entity service detects concepts and highlights them in the text. With a simple click, and using the e-Link service the author is able to fetch extra information on the requested topic from a dataset available on the Web and use it to annotate the content.

**A Content analytics dashboard based on the FREME e-Entity service**

Wrpl is a digital engagement company offering various tools that empower online businesses to understand and increase engagement. Prior to FREME wrpl offered these tools in one language (english only) and focused mostly on content engagement increase based on a novel real-time personalized content recommendation engine.

Wrpl can now offer its products in various languages. Furthermore Wrpl has developed a killer application that empowers online businesses to understand what topics their customers are engaging on and where this engagement is coming from. This allows businesses to focus on the right topics within their global content strategy. Wrpl is currently also developing a trend forecasting tool that allows businesses to understand what other companies in their space are focusing on.

**Creating a unique one-stop-shop for content engagement and content strategy**

**FREME provides first implementations of six e-Services: e-Entity, e-Link, e-Textaminer, e-Translation, e-Publishing and e-Integration**

FREME e-Services deliver a range of state-of-the-art, integrated multilingual linked data technologies which not only support the cognitive and physical tasks of a translator, but also enable the content and produce more than just a literal transcription of words from one language to another.
FREME e-Services are based on existing and mature technologies:

- **e-Internationalisation** based on the technology Internationalisation Tag Set (ITS) Version 2.0
- **e-Link** based on the Natural Language Processing Interchange Format (NIF) and RDF
- **e-Entity** based on entity recognition software and existing linked entity datasets from Linked Data and Open Data
- **e-Terminology** based on cloud terminology services for terminology management and terminology annotation Web service to annotate terminology
- **e-Translation** based on cloud machine translation services for building custom machine translation systems
- **e-Publishing** based on cloud content authoring environment (e.g. eBooks, technical documentation, marketing materials) and its export for publishing in digital publication format

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