**EVALITA4ELG**

Italian EVALITA Benchmark Linguistic Resources, NLP Services and Tools for the ELG platform

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The Italian language is underrepresented in the European Language Grid platform, currently including few Language Technology services and corpora - mostly parallel corpora and multilingual dependency treebanks, focused on texts featured by standard forms and syntax. The goal of EVALITA4ELG is to enable the ELG users to access the resources and models for the Italian language produced over the years in the context of the EVALITA evaluation campaign. Our aim is to build the catalogue of EVALITA resources and tasks ranging from traditional tasks like POS-tagging and parsing to recent and popular ones such as sentiment analysis and hate speech detection on social media, and integrate them in the ELG platform. The project includes the integration of state-of-the-art LT services into the ELG platform, accessible as web services.
Main goals:

- **G_1**: To broaden the ELG portfolio with more than 50 linguistic resources for Italian, capitalizing on the work done in the last + ten years within EVALITA (http://www.evalita.it): the biannual event of AILC for the evaluation of NLP tools for Italian.
  
  - This will result in a further support for underrepresented languages + improving the sharing of knowledge within the NLP community.

- **G_2**: Integrate systems and baselines as a pool of web services with a common interface.

**Main tangible outcome**: the ELG platform will cover the majority of language technology developed for Italian in the last 10 years (resources + services)

- 13 → +50 language resources

Broader spectrum of linguistic phenomena, language genres and domains (e.g., social media).
**G_1:** To broaden the ELG portfolio with + 50 linguistic resources for Italian

**Source:** last ten years of EVALITA ([http://www.evalita.it](http://www.evalita.it)): biannual AILC event for the evaluation of NLP tools for Italian

**Support the ongoing migration initiatives of EVALITA resources registered in existing catalogs (META-SHARE) towards the ELG platform**
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- ArtiPhon - Articulatory Phone Recognition
- FactA - Event Factuality Annotation
- NEEL-JT - Named Entity Recognition and Linking in Italian Tweets
- PoSTWITA - POS tagging for Italian Social Media Texts
- QAFAQ - Question Answering for Frequently Asked Questions
- SENTIPOLC - SENTiment POlarity Classification

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**GITHUB repository to collect and keep track of data creation and development for Italian.**
G_1: To broaden the ELG portfolio with +50 linguistic resources for Italian

EVALITA 2020
The Final Workshop of the 7th evaluation campaign EVALITA 2020 will be held online, on December 16th-17th 2020.
EVALITA 2020 is an initiative of AILC (Associazione Italiana di Linguistici Computationali).

As in the previous editions (http://www.evalita.it), EVALITA 2020 will be organized along few selected tasks, which provide participants with opportunities to discuss and explore both emerging and traditional areas of Natural Language Processing and Speech for Italian.

**2020: +14 resources**

- Surveying the corpora published by the organizers of EVALITA tasks and their terms of availability;
- Collecting the corpora and restructuring the data in order to unify their format and adhere the ELG guidelines

EVALITA provides a shared framework for the evaluation of different systems and approaches on separate tasks, all for Italian. For the 2020 edition tasks are organized along the following tracks:

- **Affect, Hate, and Stance**
  - ATE_ABSTA - Aspect Term Extraction and Aspect-Based Sentiment Analysis (L. De Mattei, G. De Martino, A. Levine, A. Maschi, M. Polignano)
  - AMI - Automatic Misogyny Identification (F. Fersini, D. Nozza, P. Rosco)
  - SadStance - Stance Detection (M. Lei, A. T. Cignarella, C. Bosco, V. Parti, P. Rosco)

- Creativity and Style
  - CHANGE-IT - Style Transfer (L. De Mattei, M. Catagna, M. Nissim, F. Dell’Orletta, A. Gatt)
  - TAG-I - Topic, Age and Gender Prediction (A. Cimino, F. Dell’Orletta, M. Nissim)

- Semantics and Multimodality
  - DANKMEMES - Multimodal Artefacts Recognition (G. Anselmi, G. Giorgi, G. Lebani, M. Miliani, I. Rama)
  - CONTENTEXT - Concreteness in Context (L. Gregori, D. Rizziconi, A. A. Ravelli, R. Varvara, M. Montemagni)
  - PREDLEARN - Pragmatic Relation Learning (C. Alzetta, A. Maschi, F. Dell’Orletta, P. Koczwara, I. Toni)

- Time and Diachrony
  - DatoDeEvA - Dating Documents (S. Menini, G. Moretti, R. Sprugno, S. Tonali)
  - DIACR-Ita - Diachronic Lexical Semantics (P. Basile, T. Caselli, A. Caputo, R. Varvara, P. Cassotti)

- New Challenges in Long-standing Tasks
  - AccepCiTo - Acceptability & Complexity evaluation (P. Brattico, C. Chesi, R. Zamparelli, D. Buratto, F. Dell’Orletta, S. Montemagni, G. Venturi)
  - KiPoS - Part-of-speech Tagging on Spoken Language (E. Goria, M. Cerruti, S. Ballarà, C. Mauri, C. Bosco)

Note that the task web pages will be updated continually, so please make sure to check them from time to time.

Remember to fill in the [registration form](#) before September 4th in order to participate to EVALITA 2020.
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-G_2: Integrate systems and baselines as a pool of web services with a common interface

To broaden the ELG portfolio with new service functions for Italian based on
i) the best models from EVALITA task participants and
ii) general Transformer language models (e.g. ALBERTo for Italian social media language:
https://github.com/marcopoli/ALBERTo-it).

To enrich the ELG platform implementing new baselines for a broad variety of tasks.
Multi-task benchmark platform for Italian (similarly to the GLUE benchmark for EN)

Integration into the ELG of multiple models for several NLP tasks, including:

- new baselines and ensemble models
- reproduction of results
- experimenting with cross-task and multi-task learning