

# **Tools and Resources for the Welsh Language**

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## Language Technologies Unit

Language Technologies Unit

Overview

Related LRTs & projects

The Language Technologies Unit is a self-funded research unit that develops digital language resources and tools for the Welsh language, the Celtic languages, and for multilingual situations in general. The Unit is responsible for Cysgliad, a package containing a Welsh language spellchecker, a grammar checker, and a collection of comprehensive dictionaries, and has also developed numerous other language proofing tools. The Unit undertakes terminology standardization work, and develops electronic dictionaries for a range of subject fields on a variety of platforms, including websites and apps. The Unit also develops speech technology for Welsh and other languages, and maintains place-name databases on the web. In addition, the Unit develops computer-based learning aids, including language games.

Read less

### Keyword

Language Technologies  
Welsh  
Computational Linguistics

### Discipline

Language Technologies,  
Computational Linguistics

### LT area

Corpus management  
Speech Recognition  
Evaluation  
Language Technology  
Computer-aided translation  
Machine Translation  
Named Entity Recognition  
Speech Synthesis  
Speech-to-Text translation  
Human Computer Interaction



## Text, Speech and Translation Technologies for the Welsh Language 2020 - 2023

Overview

Related LRTs & projects

Welsh Government funded project to develop natural language processing, speech and translation technologies. The aim is to realise the Welsh Government's objective of increasing the number of Welsh language speakers to a million by 2050 with the aid of language technologies.

### Keyword

Language Technologies   Welsh  
Speech Recognition  
Natural Language Processing  
Machine Translation  
Text to Speech Synthesis

### Domain

Language Revitalisation  
Natural Language Processing  
Less-resourced languages   education  
Language & speech technologies   General  
health

### Subject

Language technologies for language revitalisation

### LT area

Corpus management   Anonymization  
Text and Data Mining   Corpus viewing  
Machine Translation  
Named Entity Recognition  
Speech Recognition

<https://live.european-language-grid.eu/catalogue/project/7267>



PRIFYSGOL  
BANGOR  
UNIVERSITY

- Quantify

where we are at

- Compare

our resources with those of other languages

- Identify

gaps in provision

- Learn

from each other

[Go to catalogue](#)



## Bangor University Automatic Speech Recognition, Welsh Language (Mozilla DeepSpeech)

Bangor Mozilla DeepSpeech for Welsh  
Version: 21.03 (12/03/2021)

ELG-compatible service (service running on the provider's side)

### Cite resource

Language Technologies Unit - Bangor University (2021, March 12). Bangor University Automatic Speech Recognition, Welsh Language (Mozilla DeepSpeech). Version 21.03. [Software (Tool/Service)]. Source: European Language Grid. <https://live.european-language-grid.eu/catalogue/tool-service/7251> 

### Cite all versions

Language Technologies Unit - Bangor University (2021, March 12). Bangor University Automatic Speech Recognition, Welsh Language (Mozilla DeepSpeech). [Software (Tool/Service)]. Source: European Language Grid. <https://live.european-language-grid.eu/catalogue/cpid/FXd6LR39Xser9cxeUJH8UX/> 

Actions 

Overview

Download/Run

Try out

Code samples

Related LRTs

Automatic Speech Recognition service for Welsh using a Mozilla DeepSpeech engine trained with the Welsh dataset from Mozilla Common Voice

### Keyword

Welsh Automatic Speech Recognition

### Intended application

Speech Recognition

### Share



Views

Times used