

# **CEFR Readability**

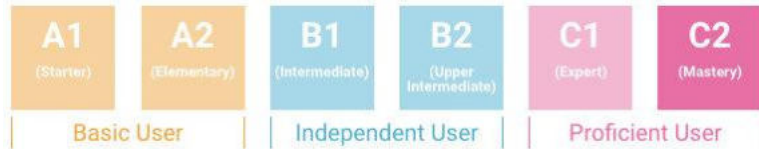
# **Labelling and Assessment Services**

pilot project

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# Common European Framework of Reference (CEFR)

The CEFR describes foreign language proficiency at six levels:



- to establish learning and teaching objectives
- to review curricula
- to design teaching materials
- to provide a basis for recognising language qualifications thus facilitating educational and occupational mobility.

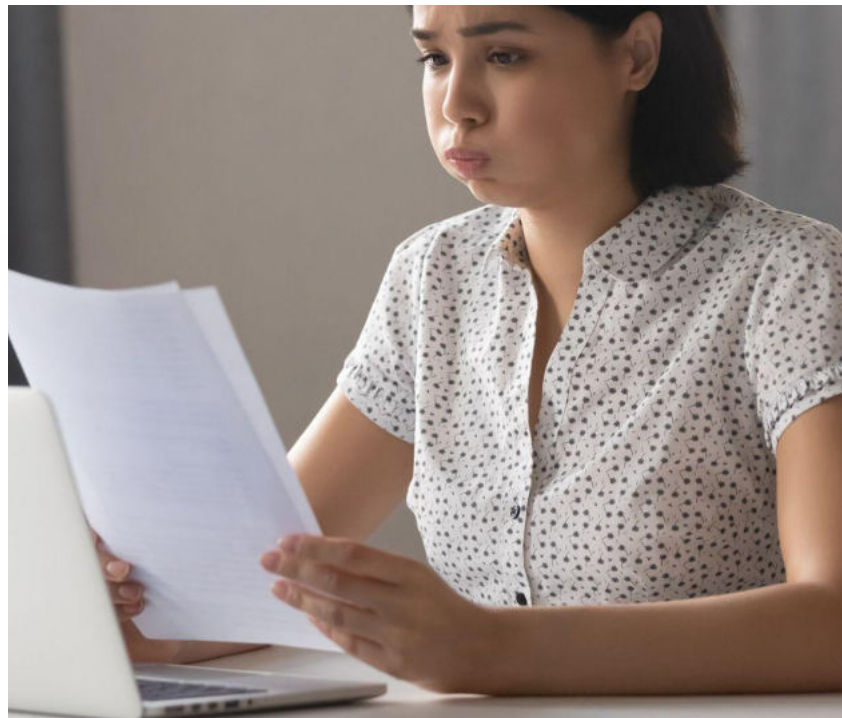
# Project objectives

## Problem

Manual assessment of reading materials on CEFR readability levels depends on human experts: inconsistent and not scalable.

## Our solution

Develop a set of tools, datasets and services to enable automatic classification of CEFR reading difficulty



# Applications

## Personalised learning

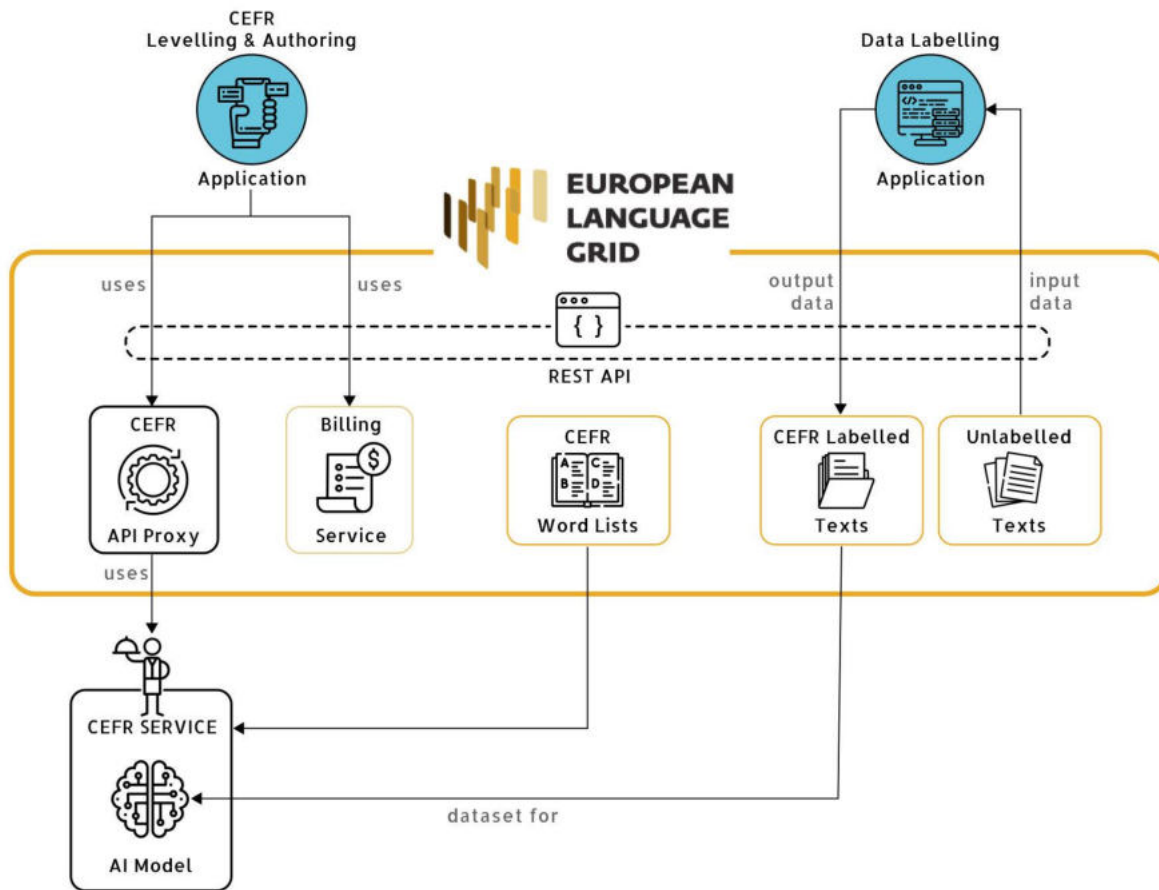
Teachers want to use authentic and current content in class to boost student engagement.

Automatic CEFR classification supports easy discovery and assessment of texts that match individual student's reading proficiency.

## Inclusiveness in society

News and information from governmental organisations is often too difficult to read for people with low literacy skills

Automatic CEFR classification helps to identify difficult texts and make them more readable.



## Approach

1. Collect unlabelled texts from public sources
2. Use data labelling application to label texts on CEFR level using human experts (teachers)
3. Train AI model on dataset for CEFR classification
4. Expose model as API through ELG
5. Build end-user applications (eg CEFR levelling and authoring application)



## CEFR Readability Classification Service (EN)

Version: 0.2.0 (10/06/2021)

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

 ToolService[Actions](#) ▾[Overview](#)[Download/Run](#)[Try out](#)[Code samples](#)

### Text

The Prince of Wales has told the BBC he understands why campaigners from organisations like Extinction Rebellion take to the streets to demand action on climate change. In the interview at his home in Balmoral, Prince Charles said action such as blocking roads "isn't helpful". But he said he totally understood the "frustration" climate campaigners felt. And he warned of a "catastrophic" impact if more ambitious action isn't taken on climate change. Speaking in the gardens of his house on the Balmoral estate in Aberdeenshire, the prince said it had taken too long for the world to wake up to the risks of climate change. And he worried that world leaders would "just talk" when they meet in Glasgow in November for a crucial UN climate conference.

### Classification

B2

Quality check (on) ▾

MAP

## CEFR check

TOPIC


### The Prince of Wales

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Extinction Rebellion take to the streets to demand action

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 **Difficult words**

understands (A2)

**Target Level**  
A1

**Suggested alternatives**

knows (A1)  
is (A1)  
thinks (A1)  
wants (A1)  
sees (A1)  
speaks (A1)

📄 ILLI OUTLINE  
🔍 SEARCH  
🌐 CEFR ANALYSIS

### CEFR Analysis

Document language

GERMAN **ENGLISH**

Document target level

A1 A2 A... B1 B... B2 B... C1 C2

 Analyze your text

CEFR B2 ⌵

Outcome: ?

A1 A2 A2+ B1 B1+ **B2** B2+ C1 C2

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