

# LSDISCO - Lingsoft Solutions as Distributable Containers

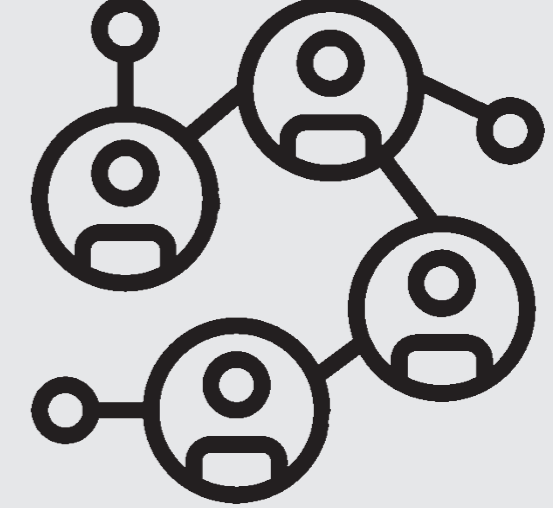
## About Lingsoft



Leading provider of language services and language technology solutions



30+ years experience of NLP development for text and speech



Large collaboration network with leading universities in the Nordics

## What We Do in The Project

- We will provide access to our speech and language technology tools through ELG to organisations and companies with language needs for the Nordic languages.
- We will create distributable Docker containers for each of the technologies and their respective supported languages, allowing for easy distribution and scalable integration in other environments and solutions.
- In order to accomplish this, we will refactor our existing server technologies and APIs.
- We will implement a licensing mechanism to allow for commercial usage and integration of our tools.

## Our Solutions

### Lingsoft Text Analysis

**Lemmatization (& disambiguation):** Finnish, Swedish, Norwegian bokmål and nynorsk, Danish, English

**Named Entity Recognition:** Finnish, Swedish (some support), Norwegian bokmål (some support), English (some support)

**Ontology relation:** Finnish, Swedish (some support), Norwegian bokmål (some support), English (some support)

**Spelling & Grammar:** Finnish, Swedish, Norwegian bokmål, Norwegian nynorsk (spelling only), Danish, English

### Lingsoft Speech Recognition

**Audio/Video Stream:** Finnish, Swedish, Norwegian bokmål (some support), Norwegian nynorsk (TBD)

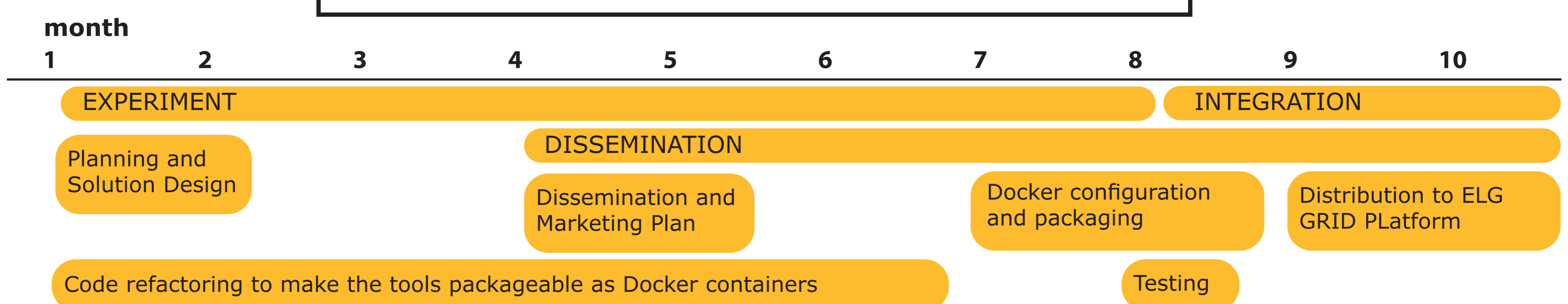
**Diarisation:** Finnish, Swedish, Norwegian nynorsk (TBD)

**Subtitling:** Finnish, Swedish (some support), Norwegian nynorsk (TBD)

### Lingsoft Machine Translation

**Language Pairs:** English-Finnish, Finnish-English, English-Swedish, Swedish-English, Finnish-Swedish, Swedish-Finnish

## Project Schedule



## Expected Outcome

- The project will result in a larger set of NLP tools for the Nordic languages for a wide audience of researchers and software/service developers alike.
- Package as containers for easy integration and distribution.
- Available both for public organizations and companies.
- Allows companies and public organizations throughout Europe to efficiently incorporate Nordic language support in e.g. subtitled videos or customer service chats.
- Updated licensing models/mechanisms and marketing and dissemination.