```python
#Loading the packages
import os
import pandas as pd

#Importing the SBERT pre-trained-model
from sentence_transformers import SentenceTransformer
embedder = SentenceTransformer('all-mpnet-base-v2')

#Importing the kmeans clusterign and the Word Cloud package
from sklearn.cluster import KMeans
import matplotlib.pyplot as plt
from wordcloud import WordCloud

# Loading the data
df = pd.read_excel('Criteria_description.xlsx')
df.head()

#Making the Sentence embedding operations
corpus = list(df['Definition'])
corpus
corpus_embeddings = embedder.encode(corpus)
corpus_embeddings

#Making the kmeans clustering operations
clustering_model = KMeans(n_clusters=25, random_state=0, n_init=300)
clustering_model.fit(corpus_embeddings)
cluster_assignment = clustering_model.labels_
cluster_assignment

#Print to spreadsheet
cluster_df = pd.DataFrame(corpus, columns = ['corpus'])
cluster_df['cluster'] = cluster_assignment
cluster_df['code'] = df['code']
cluster_df.head()
file_name = 'Grouped_topics_thesis_bert.xlsx'
cluster_df.to_excel(file_name)
print

#Clusters word clouds
def word_cloud(pred_df,label):
    wc = ' '.join([text for text in pred_df['corpus'][pred_df['cluster'] == label]])
    wordcloud = WordCloud(width=800, height=500,
    random_state=21, max_font_size=110).generate(wc)
    fig7 = plt.figure(figsize=(10, 7))
    plt.imshow(wordcloud, interpolation="bilinear")
    plt.axis('off')

#For each cluster replace 0 to (1, ..., 24)
word_cloud(cluster_df,0)
```