

#### Dear scientist,

We ask your help in analyzing the European neutron science community.

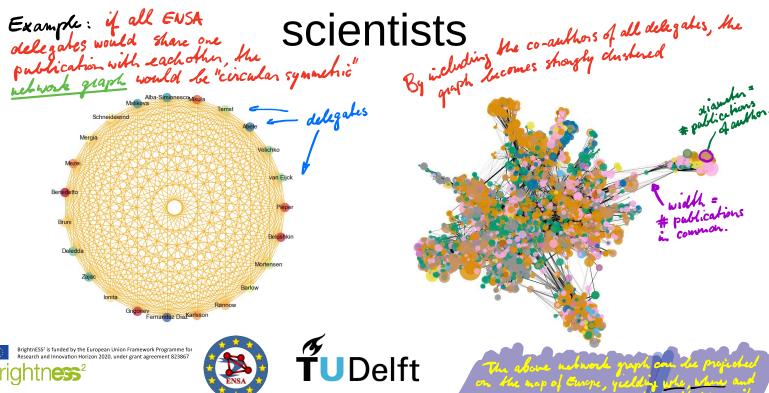




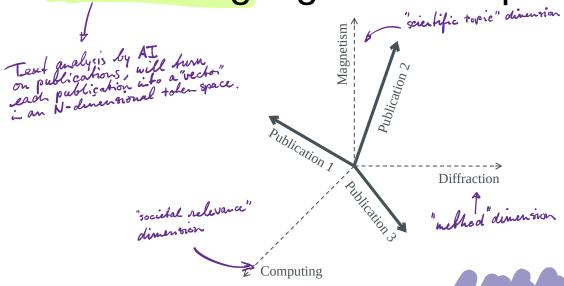




### How to build the network of



Applying the Natural Language (NLP)
Processing algorithm on publications



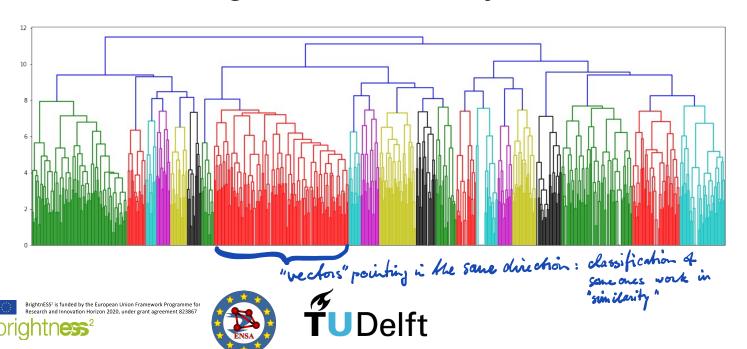




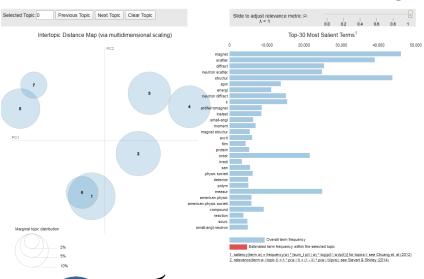


"deep learning" dext analysis can add "why" and "now" so he whook analysis.

## Subsequent clustering of publications through their similarity in NLP



# Deep learning of a large set of publications enables to relate the network with topics (scientific, societal, methodological).









### We ask for your help:

uploading

 By sending us your published work, you help us to train the algorithm in interpreting neutron science in terms of scientific and societal relevance.

- Network analysis of publication meta-data tells us "who, where and when".
- Al text interpretation tells us "why and how".
- Outcome of the analysis will serve the community as a whole, users, facilities and ENSA delegates.
- Your input on future needs for the neutron community will be requested through a survey. (separate)
- The AI analysis will ensure we ask only the relevant questions in a "personalized survey".





