VISUALISATION
OF THE WARSAW UNIVERSITY
OF TECHNOLOGY
MAIN LIBRARY RESOURCES
BASED ON UDC

Agnieszka Maria Kowalczuk, Łukasz Skonieczny, Małgorzata Wornbard

Lisbon, October 29-30, 2015
Visualisation:

- illustrates the belonging of keyword sets to various knowledge classes,
- shows links between knowledge classes,
- on the basis of various classification systems, it shows mutual dependency between knowledge classes,
- indicates that these classes are complementary.
VISUALISATION OF WUT ML RESOURCES

- **Aim of poster / project:**
  - presenting the content of the WUT ML resources in relations between knowledge classes that may be hidden while using the catalogue,
  - illustrating the links between knowledge classes and the selected discipline of science,
  - showing the percentage share of publications in a given class and, at the same time, the degree of linkage with another class.

- **In preparation**
  - linking the visualisation with the central catalogue, enabling the user to get the list of publications from the relevant knowledge class or from the area of related knowledge classes.
Thesis

If the set of keywords describing one subject shares the keywords of another subject, we can assume that these subjects are complementary.

The greater the common part of the sets, the stronger the link between the knowledge classes.
VISUALISATION OF WUT ML RESOURCES

Classifying, indexing and retrieval languages used for the description of the WUT ML resources:

- UDC
- Keywords connected with the notation
- Local classification scheme used for laying out the resources in open stacks.
VISUALISATION OF WUT ML RESOURCES

- This visualisation uses the programme Data Driven Documents (D3).
- D3 is a JavaScript library for handling documents and data for visualisation. It allows you to animate the data using HTML, SVG and CSS.
- Visualisation of knowledge classes

http://www.bg.pw.edu.pl/index.php/wizualizacja-zbiorow
VISUALISATION OF WUT ML RESOURCES