USING PARLIAMENTARY OPEN DATA FOR R&D PURPOSE
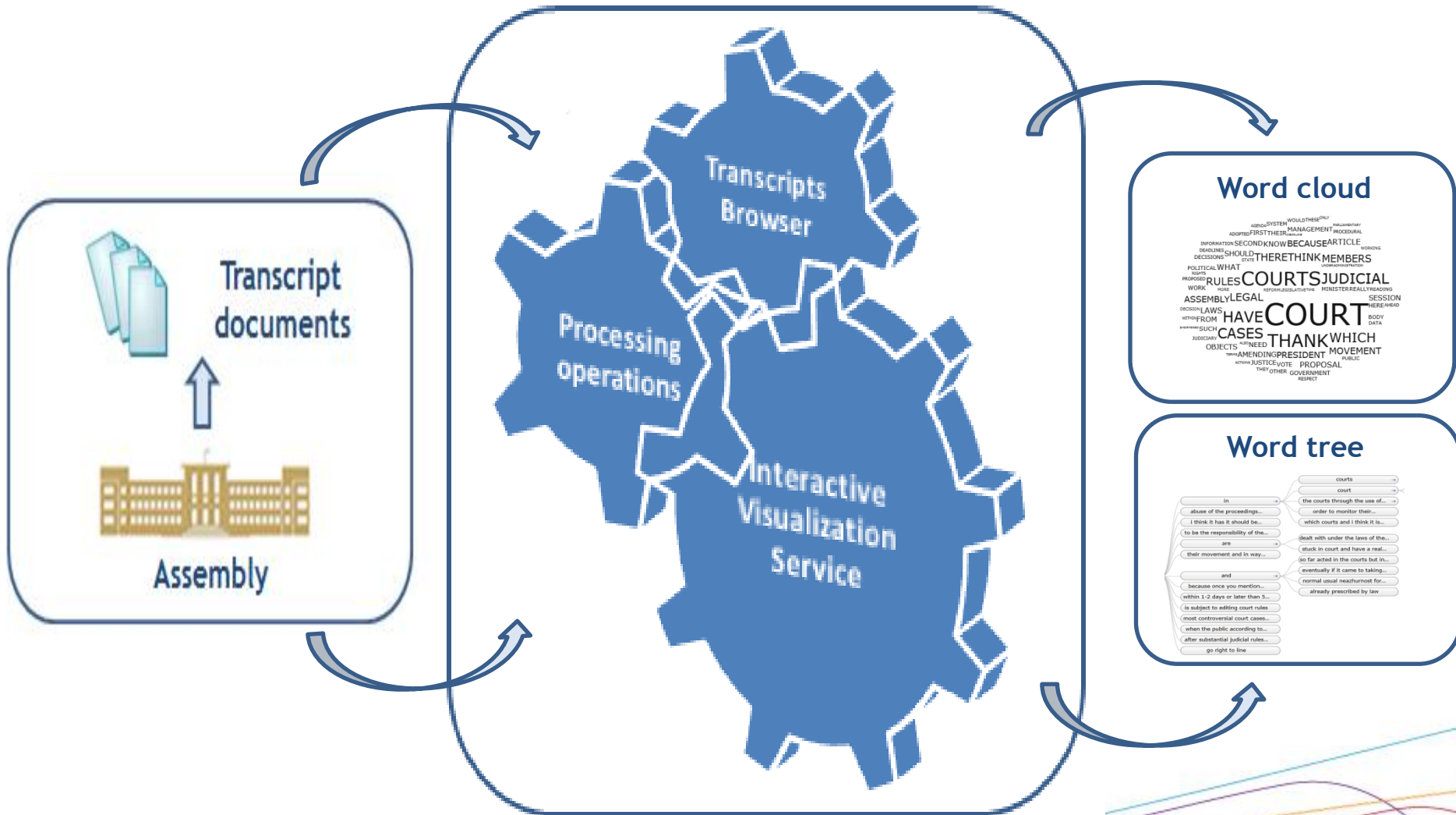
Mile Grujovski, e-Government technical Lead, Nextsense

PARLIAMENTARY OPEN DATA

- Parliamentary activities

- Draft laws

- Reports

- Voting results

- Transcript documents from plenary sittings

AN INTERACTIVE SERVICE

TRANSCRIPT DOCUMENTS AS A DATA SOURCE

- Text is data

- Unstructured textual data
  - Structuring with suffix trees

- Data visualization
  - Word clouds
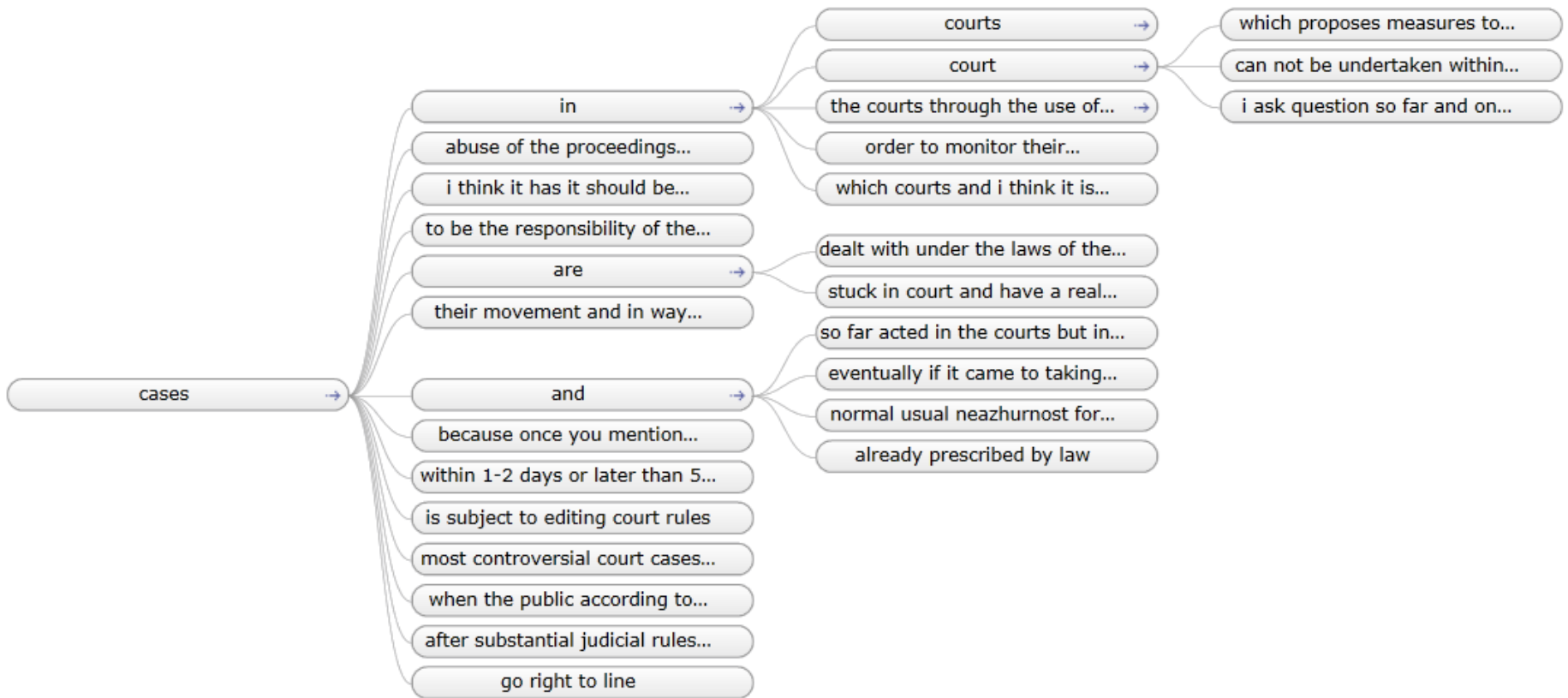 - Word tree

- Prototype service

WORD CLOUD VISUALIZATION

- Excellent format for visualization of free form text
- Word importance is proportional to the size of the text
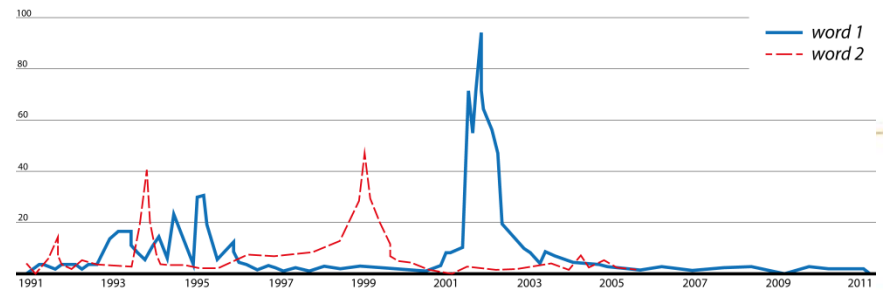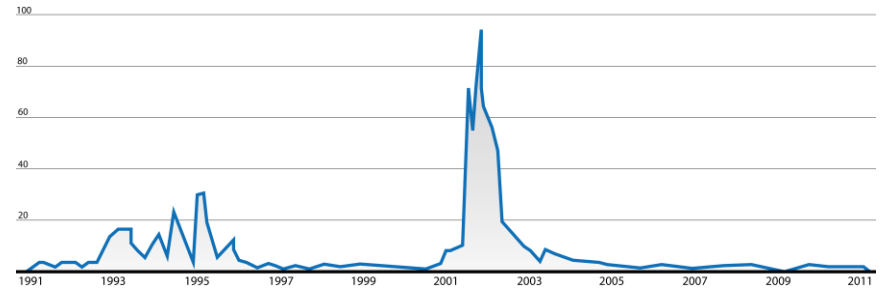- Additional aesthetic criteria's

WORD TREE VISUALIZATION

- Suffix tree structure

- Tree structure is not visible without processing

- Dynamically generated trees

- Users can navigate deeper in the tree structure

- Contextual information is available

cases

- in
  - courts → which proposes measures to...
  - court → can not be undertaken within...
    - i ask question so far and on...
  - the courts through the use of... →
  - order to monitor their...
  - which courts and i think it is...
- abuse of the proceedings...
- i think it has it should be...
- to be the responsibility of the...
- are
  - dealt with under the laws of the...
  - stuck in court and have a real...
- their movement and in way...
- and
  - so far acted in the courts but in...
  - eventually if it came to taking...
  - normal usual neazhurnost for...
  - already prescribed by law
- because once you mention...
- within 1-2 days or later than 5...
- is subject to editing court rules
- most controversial court cases...
- when the public according to...
- after substantial judicial rules...
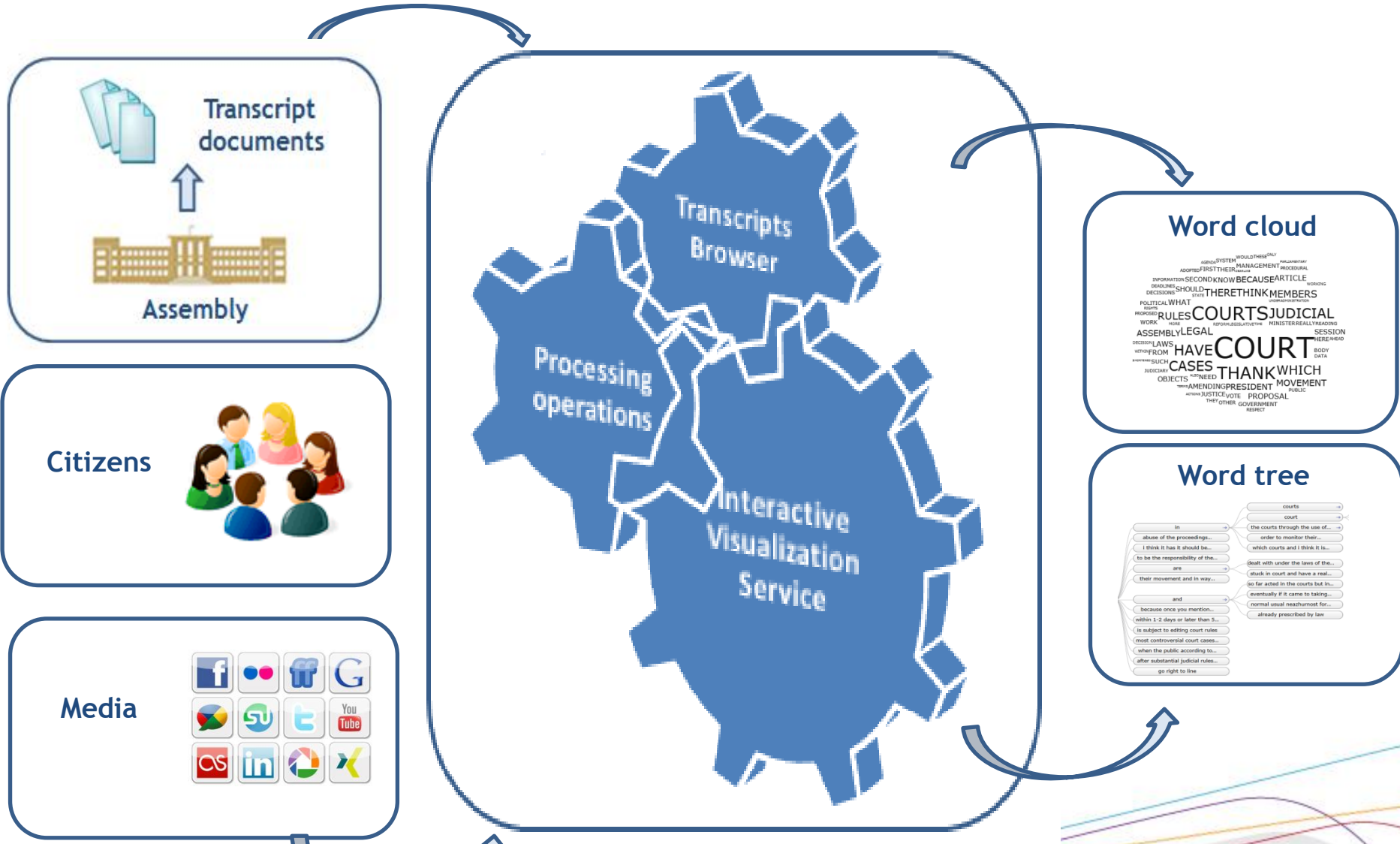- go right to line

DEMO

Distribution analyses

- Word Distribution
  - Word Usage for selected period

- Comparative Analysis
  - Distribution of multiple words

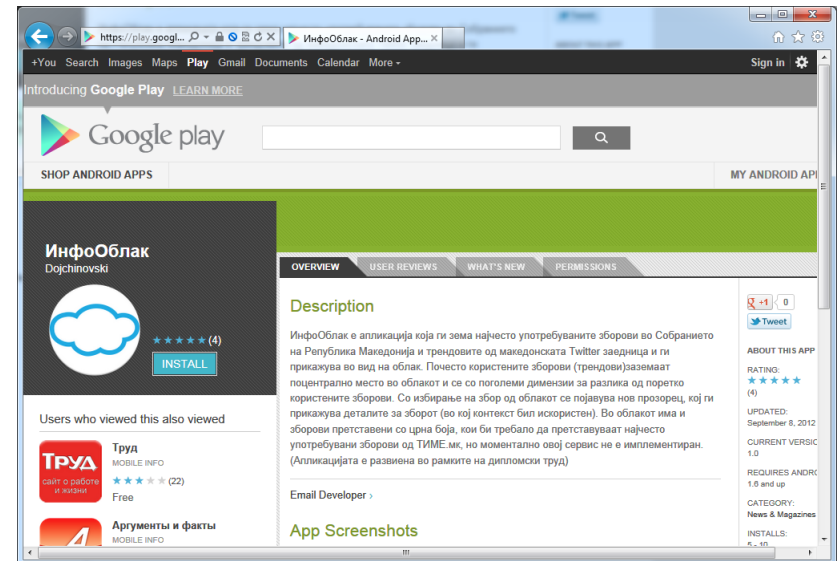# STEP FURTHER - MIXING UP DATA

- Using multiple data sources
  - Discussions in the Parliament
  - Discussions on Social Medias
  - Online articles
- Aggregation of information
- Processing of collected data
- Data mashups
  - Comparing the discussions from different sources

INTERACTIVE SERVICE

OPEN APPLICATION INTEGRATION

- Open Visualization Platform
  - Interoperable Service publicly available

- Mobile Devices
  - Android app developed by third party developers

- Tablets

QUICK WINS / BENEFITS

- New channel of communication
- Simple and flexible communication
- Active participation for every user from anywhere and at anytime
- Application Integration Feature

- Short learning curve
- Reduces process complexity

- Portal for information share
- Enabling transparent citizen access
- Increased transparency in the operation and accessibility to the public
- Enabling transformation of the internal data sources into information available for the citizens

Quality of services and communication

Operations

e-Society

THANK YOU!

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