

THE DYNIZER

**Dynamic Access to
changing data
for Agile & Efficient
organizations.**





THE DYNIZER

Dynamic Access Architecture



All the data

Handles document content, databases, semi-structured information in the same way



All Connections

All connections between the different Who, What, Where's and When's in the data are automatically established



All Semantic Viewpoints

Every relevant data item or part of a tekst is automatically recognized as Who What, Where and When allowing contextual use and interpretation





Business Case

Challenges for court systems



Massive Information

Issues in collecting data across all justice areas.



Budget Cuts

Shrinking budgets for justice.



Digital Technology

Artificial intelligence help identifies criminals and strengthen public safety.



Automate & Predict

Use algorithms to support decision making.



Organize information

Machine readability information of judgments.



Recognize patterns

Recognize objects and situation and turn into information to support decisions.



Analyze & Compare

Identify similarities and differences in judgments.





COURT OF APPEAL OF ANTWERP (1)

Intelligent access to anonymized judgement content



Pain Points

- Huge volume of cases and data
- Many parties to unstructured data
- Fast-changing legislation
- Need for ensure GDPR compliance



Inefficiencies

- No pseudoanonymization
- No insights in content
- No uniformity
- Limited look up possibilities



PSEUDONOMIZATION OF A JUDGEMENT TEXT

A fully automated 4 Step Process



Automatically split in relevant parts

- Cover Page
- Data about Parties
- Motivation
- Conclusion
- End Section



Role and Link Detection

All connections between the different Who, What, Where's and When's and their roles in the document are established



Pseudomisation and confidence scoring

Every relevant data item or part of a tekst is automatically recognized as Who What, Where and When allowing contextual use and interpretation



Ingestion in Database for further use

The complete content of the judgement is added to the database in terms of WHO WHAT WHERE WHEN and their roles



A Real Life Example: parties

1. <PARTIJ1>, met zetel te <ADRES>;
2. <PARTIJ2>, wonende te <ADRES>;

appellanten,

appellante sub 1 vertegenwoordigd, appellant sub 2 – tevens zaakvoerder van appellante sub 1 – aanwezig en bijgestaan door <ADVOCAAT1>, advocaat te <ADRES>, tegen het vonnis van de Rechtbank van eerste aanleg te Antwerpen van 6 september 2012;

tegen

<PARTIJ3>, met maatschappelijke zetel te <ADRES>, ondernemingsnummer <ON>; geïntimeerde, vertegenwoordigd door <ADVOCAAT2> loco <ADVOCAAT3>, advocaat te <ADRES>;



A Real Life Example: facts and motivation

<PARTIJ1> en <PARTIJ2> vroegen de vordering ongegrond te verklaren.

Zij vroegen op tegenvordering <PARTIJ3> te verplichten het krediet opnieuw te activeren en alle kosten tegen te boeken, minstens <PARTIJ3> te verplichten een nieuw krediet toe te staan aanhoogstens dezelfde voorwaarden.

Zij vroegen <PARTIJ3> te veroordelen tot de kosten van het geding.

2.3. <PARTIJ3> vroeg de tegenvordering ongegrond te verklaren.

2.4. Met het bestreden vonnis van 6 september 2012 heeft de eerste rechter de hoofdvordering toelaatbaar en gegrond verklaard in de volgende mate en <PARTIJ1> en <PARTIJ2>

solidair veroordeeld tot betaling van 235.585,59 EUR, te vermeerderen met de gerechtelijke interesten aan 13,50 % per jaar op een bedrag van 221.175,36 EUR vanaf 5 april 2012 tot op de dag van volledige betaling, evenals tot de kosten van het geding.



A Real Life Example: Decision

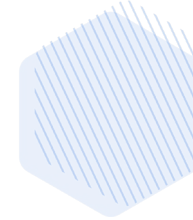
5. Beslissing

Het hof beslist bij arrest op tegenspraak.

De rechtspleging verliep in overeenstemming met de wet van 15 juni 1935 op het gebruik van de taal in gerechtszaken.

Het hof

- verklaart het hoger beroep van <PARTIJ1> en <PARTIJ2> ontvankelijk doch ongegrond;
- bevestigt het bestreden vonnis in zijn bestreden beschikkingen;
- verwijst <PARTIJ1> en <PARTIJ2> in de gedingkosten in hoger beroep, vereffend aan de zijde van <PARTIJ3> op 5.500 EUR rechtsplegingsvergoeding.



A Real Life Example: End Section

Dit arrest werd uitgesproken in de openbare zitting van VIJF JANUARI TWEEDUIZEND VIJFTIEN door

<RECHTER1>: raadsheer dd. voorzitter

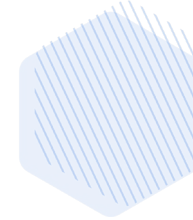
<RECHTER2>: raadsheer

<RECHTER3>: raadsheer

<GRIFFIER1>: griffier

<GRIFFIER1> <RECHTER3>

<RECHTER2> <RECHTER1>





COURT OF APPEAL OF ANTWERP (2)



Solution

- Automatically generated data Model containing all names, roles, addresses, dates, sections & outcomes



Operational Result

- Fully pseudonymized & controllable judgement documents
- Insights into outcomes & links
- Complete descriptive & content-based metadata



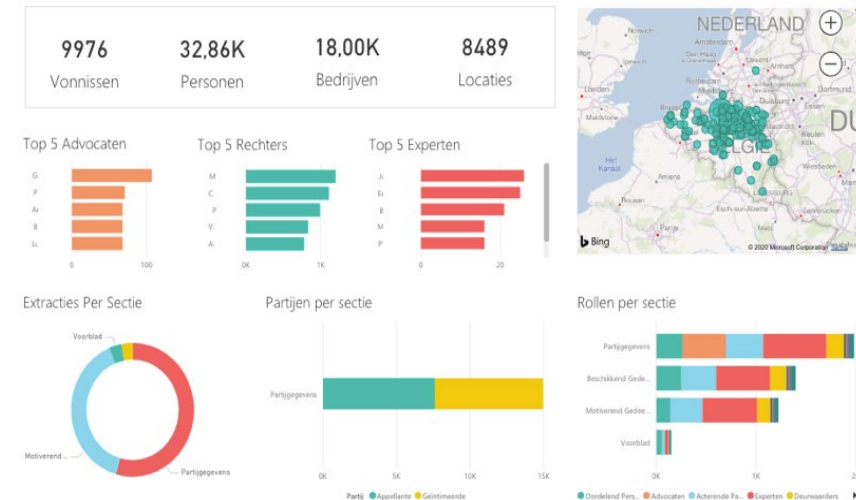
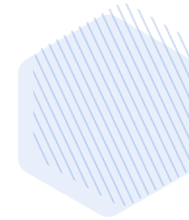
Results

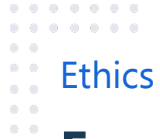
- Fully pseudonymized documents on the fly
- Full insight in judgment content
- Full insight in links between people, organizations, companies & places
- Full insight in outcomes



Timing

- Total project duration : 6 weeks
- 1 week data gathering
- 4 weeks analysis tuning
- 1 week dashboard building





Ethics

Foundation of every justice system



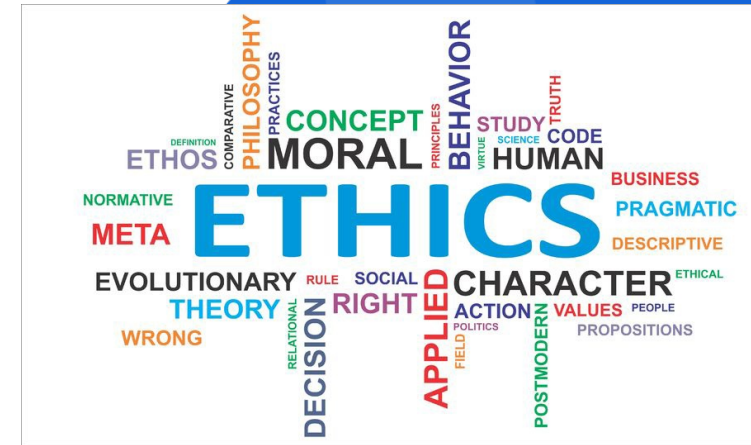
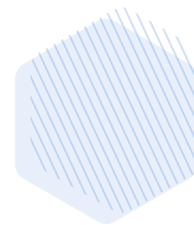
Guarantee the professionalism and independence of courts and judges



Confidentiality of information



Enforce the law in a fair or ethical way



March 2021, Major Belgian police operation SKY ECC

A typical Dynizer use case: Who, What, Where and When



Event

- One billion messages
- 1.600 Police officers
- 200 raids
- Multiple jurisdictions



Who, What, Where, and When provide dynamic access to all the data

- Simplification
- Connections of the different messages
- Link structured / non-structured information



Business Challenges

- Process massive information
- Identification
- Translate messages to information
- Complete descriptive & content-based metadata
- Patterns recognition



CONTACT US

Get in Touch



Look on our web site – consono.ai



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Read Michael's book - [Data Harmonization in the Key of C](#)

