# Organizing a Cognitive Community to Open the Access to Legal Information. The case of OpenJustice.be

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#### Abstract

This article proposes a both reflexive and critical analysis of OpenJustice.be, a Belgian community that emerged in April 2020. This community aimed to address the longstanding struggles with judicial modernization in Belgium, particularly the online access to law and justice. How did the OpenJustice.be initiative emerge and develop into a cognitive community, before suddenly fading away? To answer this question, the authors first depict the genesis of this citizen-led project, emphasizing the "openness discourse" and the open devices developed by this growing community. The analysis then looks at the type of community formed by its members, before discussing the practical critique addressed by OpenJustice.be, and highlighting the fading away of the community. As the three co-authors of this article were also involved in the life of OpenJustice.be, this paper provides a grounded, reflexive, and critical analysis of a project driven by openness and digital commons.

#### Introduction

In Belgium, as in many democracies\_abiding by the rule of law, the judicial system has been experiencing a legitimacy crisis in the last 30 years (Rabinovich-Einy, 2015). In a context of normative changes (Kuty & Dubois, 2029), New Public Management reforms have aimed to speed up judicial work while making it more productive, effective and efficient (Hondeghem et al., 2016; Colaux et al., 2023). These include the creation of the High Council of Justice (Kuty, 1999), the reform of judicial organizations (Ficet, 2011; Schoenaers, 2021), and the implementation of new managerial and digital tools (Schoenaers & Dubois, 2008; Vigour, 2017; Dubois & Schoenaers, 2019). Computerization and digitalization projects were meant to improve the transparency, accessibility and independence of the judicial system (Garapon & Lassègue, 2018). However, many of those projects have resulted in successive failures (Poullet, 2009; Wynsdaü & Jongen, 2015; Dubois et al., 2019) without restoring citizens' trust in the judiciarys. As a result, Justice is still persistently perceived as inefficient, too slow, not very accessible, and equipped with obsolete IT tools (Ingels, 2016).

Both citizens and legal professionals suffer from this situation, as exemplified by the very specific problem of access to case law: it is neither free, nor reliable, nor complete (Dubois et *al.*, 2020). More generally, legal sources – legislation, case law, and doctrine – are fragmented (Malliet, 2010). Although electronic access to these scattered contents across almost 400 journals is possible, it is rather expensive, and requires either individual purchases or subscriptions to the relevant specialized journals. These closure strategies are put in place by private legal publishers, with two or three big international companies dominating much of the legal information market in the country.

In the absence of a public policy regulating the dissemination of legal information, private companies have been merchandizing the access to case law in Belgium in the last 190 years. Yet, the law is a public good. Facilitating its dissemination however constitutes an essential democratic principle (Peruginelli, 2014). In May 2019, the revision of Article 149 of the Constitution<sup>6</sup> indicated that this principle would finally become real (Hubin, 2019; Behrendt & Jousten, 2020). According to this reform, all decisions and judgments made by courts and tribunals would be published online. A free, permanent, reliable access would now be guaranteed by the State. However, this effective date was quickly postponed from September 2020 to September 2022, and then to April 2024, due to the lack of available infrastructure.

In such a context, a citizen initiative named OpenJustice.be emerged in April 2020. It aimed to provide citizens with open source, open data, and free tools for publishing and accessing case law? In the span of a few months, this initiative took the form of a non-profit organization, bringing together 40 members. They contributed to the digital innovation in law and justice, through publications, conferences, and meetings; the design and development of several concrete tools for publishing the content of the Belgian Official Gazette<sup>8</sup>,

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<sup>&</sup>lt;sup>5</sup> In 2001, the Phenix project was initiated to consolidate the 14 distinct case management systems previously employed by various judicial entities into a single, global application. This initiative aimed at centralizing information, facilitating the operation of the judicial system, improving communication internally and externally, and establishing a case law database. Regrettably, this project failed in 2007 due to technical challenges faced by the subcontractor. The experience from Phenix later influenced the Cheops Plan, which sought to expand the case management system from District Courts to all jurisdictions. However, this expansion did not achieve complete success either, encountering, among other things, issues with system migration and added functionalities (Dubois et al., 2019).

 $<sup>^6\,\</sup>underline{\text{https://www.ejustice.just.fgov.be/eli/loi/2019/04/22/2019202064/moniteur}}$ 

<sup>7 &</sup>lt;u>https://openjustice.be/2020/05/23/open-justice/</u> (accessed January 17, 2024).

<sup>&</sup>lt;sup>8</sup> https://etaamb.openjustice.be/fr/index.html (accessed January 17, 2024).

anonymizing judicial decisions, publishing them, and conducting searches in more than 227,000 decisions9.

How did the OpenJustice.be initiative emerge, develop, and suddenly fade away? And what does such an initiative mean in the context of the longstanding inefficiency of informatization and digitization policies in the Belgian judicial system? To answer this question, and drawing on Michel Callon's descriptive and analytical framework (Callon, 1984), we first account for the genesis of this citizen-led project (section 1), then analyze its "openness discourse" and its translation in open source, open data, and open government devices (section 2), before examining the type of community formed by its members (section 3). Finally, the discursive and practical critique proposed by OpenJustice.be is being discussed in order to highlight some risks run by the community (section 4). In doing so, this paper first accounts for the role of actors, discourses, and tools in the organizing process of the OpenJustice.be community. Second, it provides a grounded case study illustrating how the ideas of openness and commons can drive the design, development, and dissemination of an alternative option to (and therefore practical critique of) public and private LegalTech projects. Third, as the three co-authors of this article were also involved in the founding and life of OpenJustice.be, this reflexive analysis accounts for a collective experience while offering a grounded and critical perspective of a project driven by the ideas of openness and the commons. This paper is therefore both a testimony and a scientific analysis of this project.

# I. OpenJustice.be: Conception and Development of a Project

Behind the initiative we are studying here lies a key person: Pierejan Montens (PM, hereafter). This 35-year-old, bilingual French and Dutch, describes himself as "Developer / Jurist / Public Sector & Non-Profit innovator [with some expertise in] digital transformation and innovation of law, justice and the public sector" 10. Between 2007 and 2018, he played a key role at the Belgian State Council, where he actively engaged in the design, development, and maintenance of an electronic case law publication system, called <u>juriDict</u> (Dubois & Pelssers, 2021). A key feature of *juriDict* lies in its reliance on open

and free infrastructure. Between 2019 and 2021, PM worked in <u>Betagouv.fr</u>, the French State's digital services incubator<sup>12</sup>. In April 2020, amidst the COVID-19 lockdown, PM sent out a metaphorical "message in a bottle", in his own words. He reached out to his social network via email, inviting them to collectively envision an open-source solution for publishing legal judgments and decision<sup>13</sup>. Concurrently, he created a website<sup>14</sup> featuring a manifesto, a call for contributions, and a newsletter.

"Justice-pourlepeuple-doorhetvolk is evolving. This first call for contributions has generated numerous reactions, and has enabled a real team to be built, sharing a common will to concretely support innovation, in complete openness and transparency. Openjustice aims to provide an open source, open data and free tool for publishing case law. Within this framework, several projects will be carried out to identify, test and validate existing open source digital components (this is the principle of the digital commons), and develop the tools needed to implement them. Other projects, again within the framework of free and open access to law, could also be involved." Source: <a href="https://openjustice.be/2020/05/23/open-justice/">https://openjustice.be/2020/05/23/open-justice/</a> (accessed January 17, 2024)

The manifesto addressed a specific political issue: the judicial system's apparent incapacity to implement the May 5, 2019 law altering the publication of judgments and decisions<sup>15</sup>, attributing this to "a lack of resources, vision, or capability"<sup>16</sup>. Confronting the threat of privatizing the implementation of the law, PM, leveraging his expertise as both a computer developer and legal professional, suggested several concrete solutions, based on his career trajectory and skills

"As a computer developer and jurist who: has realized the first and most comprehensive e-procedures in Belgium; developed etaamb.be and funded its hosting for 10 years; and is active in the digital start-ups and incubator world, both private and public, it is painful to see Justice being privatized piece by piece, as if it were inevitable. [...] Granted, I do not work for Justice, and I am unable to assist and initiate the necessary transformation from within. Fortunately, from the outside, with the tools and processes available to us, other paths and approaches are possible..."17.

In this excerpt, PM expresses his dismay at witnessing the incremental privatization of justice, a process he finds distressing. He then shifts to an entrepreneurial stance, leveraging his expertise in computer technology and legal

<sup>9 &</sup>lt;u>https://outil.openjustice.be/?auth=ok; https://omdat.openjustice.lltl.be</u> (accessed January 17, 2024)

<sup>10</sup> https://pieterjan.montens.net (accessed March 8, 2024).

<sup>11</sup> http://www.raadvst-consetat.be/?page=juridict&lang=fr (accessed January 17, 2024).

<sup>&</sup>lt;sup>12</sup> https://beta.gouv.fr (accessed January 17, 2024).

<sup>13</sup> Email dated April 4, 2020.

<sup>&</sup>lt;sup>14</sup> https://justice-pourlepeuple-doorhetvolk.be (accessed February 7, 2022).

<sup>15</sup> An Act to amend the Code of Criminal Procedure and the Judicial Code with regard to the publication of judgments and rulings.

 $_{\rm ^{16}}$   $\underline{\rm https://justice\text{-}pourle peuple\text{-}door het volk.be}$  (accessed February 7, 2022).

<sup>&</sup>lt;sup>17</sup> https://justice-pourlepeuple-doorhetvolk.be/about (accessed February 7, 2022).

matters, as well as his experience "in both private and public digital start-ups and incubators". This entrepreneurial approach, he believes, enables the transformation of initial indignation into actionable change. PM advocates for an alternative strategy to the traditional approaches in judicial digitization, considering public initiatives as either slow and visionless, and private ones as a threat to judicial independence. He therefore calls for a citizen-based, innovative strategy, relying on open tools and methods. His message, rooted in his extensive professional background in justice, law, and IT development, underscores the reimagining of digital development in justice.

The email sent by PM and the manifesto published on the website both resonated with approximately ten individuals who responded promptly. An online meeting - only way to meet during the confinement - was held on April 24th, followed by the dispatch of the first newsletter on April 26th, 2020. Gradually, a small multidisciplinary collective emerged. This group included nine individuals: Anne Vandendooren, a former lawyer turned software developer; Christophe Dubois, a legal sociologist at Liège University and co-author of this article; Renaud Hoyoux, a mathematician, developer, and founder of Cytomine, an open-source web platform which fosters collaborative analysis and allows semiautomatic processing of large image collections via machine learning algorithms; Martin Erpicum, both a sociologist and a data analyst, also a co-author of this article, and founder of Mesydel an open-source web platform to conduct online Delphi surveys; Jeoffrey Vigneron, a lawyer and legaltech entrepreneur, founder of Lawgitech, a law firm with expertise in digital law and legal design (Dubois, 2021); Manuel Pueyo, an IT consultant with a legal background, and founder of Bigkidscontent; Thomas Derrider, a lawyer with expertise in administrative law; Zorana Rosic, a legal scholar in law at Namur University; PM, who is a jurist, software and system engineer, and who describes himself as an "opensource fanatic"18. This team communicated daily via a collaborative platform (Slack19), organizing their collective work through various channels, and focusing on diverse tasks like participant introductions, website design, social media engagement, documentation sharing, GDPR compliance, logo design, and contact management. The following figure illustrates the output of some of these tasks, made visible on the homepage of OpenJustice.be, such as the logo (a combination of the initials OJ and the two elements of the binary code), the cookie setting tool, and various tabs relating to the team, projects and contacts. Weekly meetups facilitated

continuus discussions on these topics. Additionally, targeted work meetings gathered contributors for specific topics such as the association's life, open labs organization, serach for funding, and app development.



Source: https://openjustice.be

Members of this small group shared several commonalities, varying in degree. The first is their close connection to law and justice, reflected in their education, profession, research activities, and civic concerns. The second is their engagement with digital and open-source - technologies, which they use as tools in their roles as startup entrepreneurs, developers, or researchers. Finally, their entrepreneurship, characterized by many work meetings and project deadlines, employs a lexicon of innovation and networking, shaping an original organizational structure. This approach embodies a "new spirit of public action" (Céleriér & Arfaoui, 2021), where autonomous individuals with diverse skills take part in project-based, network-supported actions, underpinned by a digital infrastructure (Eghbal, 2020). This infrastructure not only legitimizes and strengthens their mission to assist the digital transformation of Justice but is also crucial during the pandemic for enabling collective action amid remote working conditions. While the literature on New Ways of Organizing Work mainly focuses on organizational change projects (Jemine et al., 2020), this case study demonstrates that this notion also helps to apprehend the genesis and development of a project aimed at translating discourses of openness and digital commons in the field of law and justice. Such a project, relying on a website, remote collaboration tools (online meetings, Slack, GitHub, openlab, etc.), open technologies (open source and open data), and the publication of popularization articles, accounts for the phases of translating a concrete problem (Callon, 1984) into concrete devices.

This infrastructure and this new way of working lead the spontaneous nature of the organization to a more structured form between April and June 2020. As a result,

<sup>&</sup>lt;sup>18</sup> <u>http://montens.net</u> (accessed January 19, 2024).

<sup>19</sup> https://slack.com/intl/fr-be/ (accessed January 17, 2024).

the bylaws of OpenJustice.be were published<sup>20</sup> on July 1, 2020, clarifying its mission:

"Chapter 2 - Purpose and Objective [...]

Art. 4. The association's social purpose is to support, raise awareness, and promote the transparent and open digitalization of Justice and Law. It aims to respect the rights and needs of both professionals and citizens. In this sense, the association intends to develop open-source computer tools to facilitate access to legal resources, gather or incubate other projects and initiatives related to Justice and legal information, and provide a forum for exchange, reflection, and debate on these issues"21.

The members of the community seized some opportunities to develop their tools. Observing how lawyers shared case law on specific topics via Facebook or WhatsApp, they designed a specific system for sharing anonymized and secure documents, in compliance with the General Data Protection Regulation (GDPR<sup>22</sup>). In September 2020, they developed two main pilot projects: an app enabling lawyers to publish COVID-19 related jurisprudence online<sup>23</sup>; and an interface enabling both the anonymization and legal sharing of case law<sup>24</sup>. Initially, they developed a basic version of this interface, but it allowed for sharing and publishing otherwise inaccessible case law. The publication of two decisions regarding the legality of COVID-19 measures also facilitated communication about OpenJustice.be's developments<sup>25</sup>.

Drawing on these pilot projects, the association made three functional tools available to everyone via its website, by November 2020: be\_law, an automated loading tool for various legal sources to share and publish case law<sup>26</sup>; Outil, an anonymization test bench for online published case law<sup>27</sup>; and Omdat, a search and download engine for Belgian case law<sup>28</sup>. To raise awareness and engage in public discourse, six popular articles were published in the press between July and November 2020<sup>29</sup>, making it possible to narrate a collective and shared – common – experience (Berkowitz et al., 2023). Around thirty individuals participated in bi-monthly meetups and various thematic meetings of the association. By November 2020, OpenJustice.be also maintained an active

presence on social media platforms like LinkedIn, Facebook, Instagram, and Twitter.

The association seized a second opportunity by collaborating with the academic network. The development of the three aforementioned tools was carried out in partnership with the LegalTechLab of the University of Liège (ULiege)30, which included a project to build Corpus31, a research and analysis tool for legal texts. ULiege also provided server resources to host data and develop these tools. In November 2020, an Open lab was organized in collaboration with sociolegal researchers from Crids (UNamur) and Liège LegalTech Lab (ULiege). This event aimed to present the developed tools to a select group of magistrates to assess their interest and potential adoption or adaptation in various jurisdictions. A research programme written after this open lab was then funded by the Belgian Fund for Scientific Research (F.R.S.-FNRS), in order to finance two PhD students. Lisa Pelssers, co-author of this article, was one of them. She then joined the University of Liège and became a member of OpenJustice.be in January 2021.

Additional opportunities arose through engagements with political entities (Parliament representatives, political parties, ministerial cabinets), institutional bodies (Constitutional Court, Judicial Order, Higher Council of Justice, Bar Associations), innovation networks (Open Knowledge Foundation, OpenLaw.fr, The European incubator of the Brussels Bar), and the Public Federal Service for Justice. Several meetings were held to assess interest in the OpenJustice.be initiative during the first seven months of its existence.

A collective project was born, carried out by a growing community. Its members were sharing the "problematization" (Callon, 1984) initiated by PM through his first email and website<sup>32</sup>. This problematization related to the incapacity of the state to conceive a case law database; the threat of privatizing the design and development of this database; and the need for

<sup>&</sup>lt;sup>20</sup> https://www.ejustice.just.fgov.be/tsv\_pdf/2020/07/01/20329355.pdf. (accessed January 17, 2024).

<sup>21</sup> Idem.

<sup>&</sup>lt;sup>22</sup> https://gdpr-info.eu (accessed March 7, 2024).

<sup>&</sup>lt;sup>23</sup> https://openjustice.be/wp-content/uploads/2020/11/pilot1.pdf (accessed March 8, 2024).

<sup>&</sup>lt;sup>24</sup> https://outil.openjustice.be/?auth=ok (accessed March 8, 2024).

<sup>&</sup>lt;sup>25</sup> https://doc.openjustice.lltl.be/html/ECLI:BE:TPBRL:2021:JUR.20210330.2.OJ (accessed January 17, 2024).

<sup>&</sup>lt;sup>26</sup> <u>https://github.com/openjusticebe/be\_law\_tools</u> (accessed January 17, 2024).

<sup>&</sup>lt;sup>27</sup> <u>https://outil.openjustice.be</u> (accessed January 17, 2024).

<sup>&</sup>lt;sup>28</sup> <u>https://omdat.openjustice.lltl.be</u> (accessed January 17, 2024).

<sup>&</sup>lt;sup>29</sup> <u>https://openjustice.be/blog/</u> (accessed January 17, 2024).

<sup>&</sup>lt;sup>30</sup> https://legaltech.uliege.be (accessed January 17, 2024).

<sup>&</sup>lt;sup>31</sup> https://openjustice.be/wp-content/uploads/2020/II/pilot1.pdf (accessed March 8, 2024).

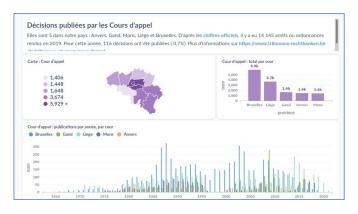
<sup>&</sup>lt;sup>32</sup> https://justice-pourlepeuple-doorhetvolk.be (accessed February 7, 2022).

open tools. An organization emerged and its members engaged in discussing, designing, and developing concrete open tools (*be\_law*, *Outil*, *Omdat*, *Corpus*), and in formalizing the structure of OpenJustice.be. The concrete solutions proposed by OpenJustice.be drew on openness discourses and open devices, carried out by its members towards various social worlds in order to disseminate their ideas (via press articles, meetings, and open labs) and tools (tailored for lawyers and magistrates). Let's now take a closer look at these ideas and tools.

## 2. A Project Woven by Openness Discourses and Open Devices

OpenJustice.be was significantly prompted and influenced by its central figure, PM, who became the president of the NGO. His professional background played a crucial role in this initiative. This experience lead him to further strengthen his belief in open-source solutions to address organizational challenges in public bodies, especially within the Belgian judiciary. Open data and open source are central and explicit concepts in OpenJustice's philosophy, supported by concrete sociotechnical devices like Github code repositories, completed by the synchronous and asynchronous messaging platform (Slack33).

The discourse of openness is also in line with the convictions and practices shared by the founding members of OpenJustice.be. More specifically, the projects developed by PM, Anne, Renaud, Martin, and Manuel are essentially based on open source and open data. They therefore share the idea of "commons governance" which "can be seen to develop both from a negative critique of the limitations of markets and hierarchies in allocating goods and a positive critique based upon the development of 'technologies of the commons' " (Munro, 2023:13). The idea of "commons gouvernance" is close to those of GovTech and Civic Tech as they draw on open technologies and data to enhance the transparency of public action, while adhering to the legitimacy standards of modern democracies (Rosanvallon, 2013). In OpenJustice.be's actions, this concept is supported by innovative tools – such as be\_law, Outil, Omdat, Corpus, etaamb - and by new analytical graphics representing the actions of courts and tribunals, as exemplified by the following dashboards.



Source: <a href="https://openjustice.be/stats-publications-arrets-jugements/">https://openjustice.be/stats-publications-arrets-jugements/</a>

Open data, systematic teamwork, and remote collaboration (between members constrained by the distancing measures in the context of covid-19 confinement, and using their free time to work remotely on this project) are key to understand how OpenJustice.be's members engage in law and technologies in order to develop innovative, online, and open services. These keys are often seen as a "constant of movements working for the free use of open and extensive data" (Baudot et al., 2015; Baack, 2018; Yoshida & Thammetar 2021). The malleability of these keys serves a variety of projects, tools, objectives, and means, materialized by the name of the NGO, OpenJustice.be. These ideas and the associated tools (OpenJustice.be website, Slack, graphics, press articles, etc.) first act as devices of "interessement" (Callon, 1984), and then succeed in enrolling and mobilizing not only current members but also new ones, and raising awareness among diverse users, visitors, readers, laymen or experts. As a result, about forty people were accessing the collaborative workspace (Slack) in November 2021, and thirty of them took part in a participative workshop organized in Charleroi at the time, embodying a growing network.

Considering the cognitive alignment of OpenJustice.be's members, as well as their engagement, a key can be found in the initial problematization proposed by PM, and more particularly in the May 5, 2019 law: each member considered its implementation – by private companies – as a concrete public problem, and they all perceived openness (open data and open source) as a concrete, pragmatic solution to craft the case law databe provided by the law. This solution simultaneously provided an answer to a more general problem, relating limited, costly, and partial access to Belgian case law (Dubois et al., 2019). In the absence of public, systematic, and centralized publication procedures, this access remains fragmented, polycentric and incomplete. According to Buyle and van den Branden (2017), the courts processed

<sup>39</sup> Team collaboration tools like Slack are not open source software. Their code is proprietary and users don't own the software nor the data left in there. However, in 2020, open software such as Rocket. Chat still didn't enable smooth exchanges, and their ergonomics were not very accessible to lay users.

1,100,682 cases in 2016, but as of August 1, 2018, the public search engine <a href="https://www.juridat.be">https://www.juridat.be</a>/ only contained 158,509 judgments, representing just 0.47% of the total judicial decisions. Access to these sources is subject to a fee because, in the absence of a federal publication strategy, legal publishers try to monopolize the access to legal information. Their strategy thus leads to divide up the market according to specialized legal fields, leading to fragmented and costly legal resources for both ordinary citizens, denying them a free access to legal sources, and for lawyers, who often work in small structures that are unable to afford a subscription to electronic libraries.

OpenJustice.be developed its tools with the aim of enabling any citizen to load and download legal information for research, analysis, and reuse. The concept of openness, supported by free tools, serves as a commitment lever for several members who were already part of open developer communities before July 2020. For them, relying on open-source solutions ensures high-quality, equitable, and transparent access to legal information.

"[This is] what the OpenJustice.be initiative demonstrates. In the space of a few months, some forty volunteers have come together, shared their expert and lay knowledge, designed and developed 'free and open source' solutions for publishing and consulting anonymised, identifiable court decisions online, free of charge. Transparency is the fundamental democratic challenge of digital justice. As OpenJustice.be has shown, meeting this challenge does not require a large budget, major legislative reform, or expensive technology, but just a little support from the minister and those involved in the justice system. The results obtained will then be used to adjust the legislative, technological, and organisational parameters likely to equip an institution that needs them. These two levers are modest and often underestimated. But when they are made up of heterogeneous resources and knowledge, they make it possible to "lift the world". This is the definition of leverage and its capacity to produce effects out of all proportion to its appearance. They are a reminder that society cannot be changed by decree - or by budget alone." (Dubois & Montens, 2021)34.

Such a philosophy perfectly aligns with open science, open education, open government, and open innovation préoccupations. In that respect, OpenJustice.be is increasingly playing as an alternative "legal information broker", allow free and open access to legal information for both legal professionals and laymen citizens. OpenJustice therefore occupies a central position (interesse) between legal information and its potential users, whom it seeks to "interest" by drawing on a number of innovative tools – "interessement devices" (Callon, 1984)

- developed by its members. Whether OpenJustice.be members are busy developing and maintaining these tools - such as be\_law, Outil, Omdat, Corpus, etaamb -, or users are taking them in hand, the enrolment phase shows an evolution in their roles. "Interessement achieves enrolment if it is successful. To describe enrolment is thus to describe the group of multilateral negotiations, trials of strength and tricks that accompany the interessements and enable them to succeed." (Callon, 1984: 211). These tools are the material translation of the openness discourses. By mixing together open tools, engaged members, expert and lay users, press articles, and workshops, new chain of intermediaries arise. These "can be described as the progressive mobilization of actors who render [Open]ustice.be's] propositions credible and indisputable by forming alliances and acting as a unit of force" (Callon, 1984: 216). The message carried out through this mobilization means: "yes, it is possible to conceive open tools as an alternative to unsatisfactory public and private strategies".

In addition to designing and developing these tools, OpenJustice.be promotes their use to "support the digitization of Justice (accessibility, sustainability, artificial intelligence, machine learning, etc.) and the digitization of legal sources"35. In doing so, its members act as "spokesmen" and "spokeswomen" aiming to "mobilize" allies: "A few individuals have been interested in the name of the masses they represent (or claim to represent)". But the main question is: "will the masses [...] follow their representatives? (Callon, 1984: 214)36. Their project aims to serve as an example for public bodies. This reflects another discourse, inspired by Betagouv.fr (Pezziardi & Verdier, 2017), that PM knows well from having been working there. Recognizing the barriers to change within public organizations, OpenJustice.be embraces alternative, lightweight, and pragmatic methods. The project-driven innovation approach, typical of start-ups, informs OpenJustice.be's actions. The use of meetups, collaborative workspaces, newsletters, social media presence, and various projects leading to the development of tools embody a new civic spirit in public action (Céleriér & Arfaoui, 2021).

Beyond its founder and president, what kind of community have OpenJustice's members been weaving?

### 3. Openjustice.be, a cognitive Community

Following the initial impetus provided by PM, a small network of active members quickly formed. Through the

<sup>34</sup> https://orbi.uliege.be/bitstream/2268/254916/1/Dubois%202021%20LeSoir%20Montens.pdf

<sup>35</sup> https://openjustice.be/2020/08/12/openjustice-un-collectif-qui-veut-faire-avancer-lopen-access-en-matiere-juridique/ (accessed February 7, 2022).

<sup>&</sup>lt;sup>36</sup> The answer to this question was uncertain and, as we shall see below (section 4), it will has been evolving: after rapid growth in 2020 and 2021, the OpenJustice.be network will stagnate in 2022 with seventy members, before the organization applies to the public tender to develop the case law database. The failure of this attempt in August 2022 will drastically slow down the organization's activity.

mediation of ideas and technical tools, the collective organized itself into a community. This community is primarily understood as a cognitive community, meaning a group of individuals united around certain ideas to create and share information and interpretive frameworks on concrete experiences.

Various authors have been distinguishing between epistemic and practice communities among cognitive ones (Hussler & Rondé, 2007). Epistemic communities refer to groups of "agents working on a commonly acknowledged subset of knowledge issues and who at the very least accept a commonly understood procedural authority as essential to the success of their knowledge activities" (Cowan et al., 2000). Practice-based communities are "groups of persons engaged in the same practice, communicating regularly with one another about their activities" (Wenger & Lave, 1990). Moved by a shared passion for open technology open law, OpenJustice members seek to develop their skills in this respect via the community and for the community. Within OpenJustice.be, some members are rather practioners contributing to develop the infrastructure of the platform, while others are rather observing the organizing process, in order to inform it through meetings, workshops, press articles, networking, etc. Most members, however, simultaneously engage in both aspects - including the authors of this text -, conceiving that epistemic and practical knowledge feed a pratical critique of the judicial policy.

### 3.1. Mobilizing Principle of the Cognitive Community

The minimal condition for a community to exist lies in its members' adherence to some values, a common mission, or a shared horizon. The mobilizing principle of OpenJustice.be is "the provision of data, tools, and digital services aimed at making justice accessible". This access is open, facilitated by free solutions, and civil society collaboration. This mission, established by the founding members at the birth of the association in May 2021, has frequently been scrutinized and debated within the community, as evidenced by many discussions on their Slack platform. This guiding principle acts as the core value and common mission uniting the community members. This founding principle is frequently used to inform certain decisions to be taken by the community, and is thus reaffirmed and reinforced, as illustrated by the following example concerning the acceptance of a private entity as a member of the community.

"XX (legaltech startup) is interested in formalizing a partnership and becoming a member of OpenJustice. They are considering joining as a corporate entity, which could lead to opportunities with other entities. As a reminder, XXX wants to publish some of their developments in open source on OpenJustice's repository: for me, this fits perfectly with what OJ wants to do, aligning with its role as an aggregator of openmode initiatives." (Exchanges on Slack, May 17, 2021)

OpenJustice's mission is also frequently questioned, especially when external requests are received by the community. In these cases, the same practical norm applies: the request is put up for discussion, and every member can contribute his or her opinion. Certain individuals might exhibit a lower level of concern compared to others, which can be demonstrated through their response to a request from the Ministry, as illustrated in the example below.

- "Hello, inner circle! I've been in touch with XXX from the cabinet, who confirms that we are indeed invited to participate in the judgments and rulings publication debate. He also asked about our current work to see if it's worth organizing a Zoom meeting: I have a feeling that they might be fishing for ideas, but I could be wrong (regardless, OpenJustice is not the minister's think tank)" (Member 1).
- "Great about the debate invitation! As for the 'what are you working on' question, we can reply without giving away details, basically summarizing in 2-3 sentences what's already shared on social networks, right?" (Member 2)
- "On what we are working: 'tools for simplifying procedural aspects in the lawyer/client relationship'." (Member 3)
- Member 4: "Hmm, very interesting! Personally, I don't quite see my involvement in this mission description." (Member 4) (Exchanges on Slack, February 22, 2022)

The regular questioning of the guiding norms ensures the maintenance of the community dynamic within the collective. This is also inscribed in summary documents with evocative headlines (e.g., "Mission-Vision-Values"37), and enacted through participative design thinking tools. This method makes it possible to bring together a variety of viewpoints to co-construct a rigorous and inclusive diagnosis of a situation. It enabled the members of the community to develop a shared vision and an organisational strategy by integrating several suggestions and opinions. This method has been used both remotely – during videoconferences or on the Slack platform – and in face-to-face interactions, as depicted by the following photo, showing Pieterjan and Renaud arranging various post-it notes.

<sup>77 &</sup>quot;Transparency: we promote the values of Open Data, Open Source and Open Government both in our internal operations and in our achievements. Inclusion: each member of the NGO is welcomed in his or her entirety (professional and extra-professional), in a protective and benevolent workspace. Autonomy: our approach is based on trust and empowerment. Each member is free to initiate and decide on projects. Decisions are made by soliciting opinions. Sharing: the NGO encourages the sharing of knowledge through collaboration and cooperation between members, whether for personal projects or in connection with its activity." Source: <a href="https://openjustice.be">https://openjustice.be</a>, accessed January 17, 2024).



Source: <a href="https://twitter.com/Tintamarre">https://twitter.com/Tintamarre</a>

This is how the mobilizing principle of OpenJustice.be has been setting a direction (i.e. to facilitate access to justice) for the various actions initiated by its members, such as digital tools development, and knowledge dissemination.

#### 3.2. Performance Conditions of a Cognitive Community

Given that a cognitive community's existence is rooted in information sharing and exchange, it requires a sociotechnical device which consists of open and decentralized many-to-many communication means. Within OpenJustice.be, communication is organized through a proprietary tool named Slack, descending from IRC-type tools<sup>38</sup>. These tools, through their sociotechnical design, offer communication via channels, which are typically open by default, allowing all members to observe and participate in the exchanges. Additionally, the source code developed by some community members is shared through public version-controlled code repositories39. This direct access to the developed source code is visible to both external observers and community members. The openness of the code facilitates practical learning and sharing processes, thereby enabling the involvement of certain actors in the practical community's logic.

- Well, I did some translations and @membre\_I helped me with the GitHub commit... Loser as I was, I wasn't in the right folder. So thanks to him;-) I learned something." (Member 5) (Exchanges on Slack, May 17, 2021)
- "Hey @membre\_7, I don't remember the GitHub workflow. I made a small change to test. I've pushed my branch and created a pull request. Who merges it?" (Member 6)
- "Great! I can do the merge, but I've left you a comment." (Member 7) (Exchanges on Slack, February 22, 2022)

This communication style fosters inclusion and transparency in exchanges, both being core values of the community, together with sharing and autonomy<sup>40</sup>. Transparency in many-to-many device exchanges ensures optimal information sharing, guaranteeing equal access to information and communication for every member.

A second condition for the success of a cognitive community is legal in nature, concerning the property regime of information exchanges within the community. To ensure free information flow and thus the community's success, members must adhere to the implicit social contract of not personally appropriating others' knowledge productions. This "legal" context is necessary but not sufficient for a cognitive community's success. Success can be measured by the community's resilience and ability to persist, enrolling and keeping members. As of February 2022, the original core group remains active, with around sixty new members joining with varying regularity and commitment, indicating growth in the initial network.

Cognitive communities generally adhere, in varying degrees of strictness and formality, to a principle aimed at "balancing the author's right to fair recognition of their work with the public's right to access knowledge, culture, and information" (Blondeau, 2023). When this principle is formal, the legal framework guides member activities towards a communalist norm as described by Merton (1973). This norm creates a world where produced knowledge becomes a "public good". This is true for OpenJustice.be, where no member claims intellectual property rights over developed tools and actions, except for certain publications (scientific and press articles) that require individual authorship.

Considering OpenJustice.be as a cognitive community, we now have a better understanding of how epistemic and practical ties intertwine in its creation and development. Designing digital tools and disseminating knowledge gathers members who are interested in pursuing both a common goal (promoting a better access to law and justice) and specific objectives (putting one's technical, legal, scientific or communications expertise at the service of a common cause, and hoping to develop this expertise in return).

<sup>&</sup>lt;sup>38</sup> For a study of IRC devices, see Latzko-Toth (2010). Despite the importance of this proprietary tool, there was no debate or controversy among the community members, who saw it as a necessary means of achieving the explicit objective to open the access to legal information.

<sup>&</sup>lt;sup>39</sup> https://github.com/openjusticebe/ (accessed February 7, 2022).

<sup>40</sup> Cf. supra, footnote 22.

#### 4. A Community of Practical Critics?

The ideas shared in this essay are yet to be advanced, refined and better imbricated. It is a starting point, indeed. Our act will potentially open new avenues as we interact with the milieu, where editors, readers, and commentators participate in the evolving discussion. We aim to contribute to the literature that focuses on work as the foundational process of organising (Barley & Kunda, 2001). The notion of act in activity introduces an ontology based on the micro dimension of work, one of the choices and the tension of values that mobilise our decision. It depends on a never-ending and dialogical movement between norms we learn from the world and the here and now, the situation that requires updates to the norm. The authorship and ownership are evident because the spotlight is on the micro debates we invest in with the different existing norms. The approach we build on the essay invites each of us to consider how what we do evolves mainly around the interactions we constitute with the milieu, with the other. One of the first surprising aspects concerns the rapid growth of the community under study. In less than two years, it has managed to mobilize around seventy members who have contributed to the development of three tools, the organization of two open labs and ten thematic workshops, the hosting of nearly 200 meetups, the publication of ten press articles, a presence on social networks (Twitter, LinkedIn, Facebook), the management of a Slack workspace, the development of a GitHub repository, and various meetings with the Ministry of Justice, the President of the Federal Public Service of Justice, legal orders, and bar associations, among others. Despite all the obstacles that have marked the digitization of law and justice in Belgium over the past 20 years, the community has succeeded in making a concrete contribution to this project, and in making its voice heard. Openness characterizes OpenJustice.be's practical, analytical, and critical proposals. As a result, openness has gradually been presented as a credible option for the various groups of actors involved in the policies aiming to digitize the Belgian judicial system.

A second observation counterbalances the first one: in 2022, the growth in membership has slowed down. New members were becoming increasingly scarce. Moreover, the activities of OpenJustice.be appeared to generate only marginal and limited interest. Its publications and developments neither sparked a wave of enthusiasm, nor incited resistance. Given the repeated failures in the computerization of Belgian justice and the accumulated "delay" in this area<sup>41</sup>, how can one explain that the initiative did not have a greater impact on public debate and did not attract more attention from legal

professionals, developers, politicians, and academics? Had the community already reached a threshold? Or did this initiative simply fail to mobilize beyond a circle of insiders, as nobody stands to lose from an endeavor whose actions remain confined to the margins of the legal-judicial field, to paraphrase Luc Boltanski's (2009) remarks on the consensual nature of solidarity economy initiatives?

An important event partially answers these questions. In less than two years, the network developed by OpenJustice.be has led it to forge many links with the judiciary, lawyers, politicians, academics, legaltechs, international associations and more. In February 2022, a public tender was published to design and develop the database of judgments and case law, provided for by the law of May 2, 2019. The implementation of this law, after having motivated the birth of OpenJustice.be in April 2020, now gave it a unique opportunity for mobilization. Of course, major companies (IT services, legal publishers) were going to compete for the tender. But an opportunity, however small, was opening up for the community to finally demonstrate its capacity and values based on openness. The community then mobilized various members of its network to form a consortium. The consortium, which included ULiege, OpenJustice.be, cogni.zone, 3sign.com, and predictice.com, submitted a bid in March 2022. In May 2022, the consortium was selected for the second round of the public tender, which was suddenly closed by the Minister of Justice by the end of June 2022. The decision made by the latter involved entering into a negotiated public contract between the Public Federal Service for Justice and Microsoft, with the Azure software having meanwhile persuaded the policymakers. Privatizing the implementation of the law was no longer a threat, but rather a fact. As much as the sudden opening of such a window of opportunity led to a spike in the community activity, its equally sudden closure discouraged many community members.

"The opportunity was just too good: we may have dreamed of developing our tools and skills on a larger scale. And we may have believed that the opportunity had arrived to demonstrate that our [open] model was a credible alternative. But if we had won the public tender, we would have had to deal with both private and public logics. But since we didn't go that far, we'll never know what would have happened in practice." (PM, Exchanges via email, August 2<sup>nd</sup>, 2022).

Following PM, the community's original motive – to offer an alternative to the privatization of legal information – had become irrelevant. Meetings between core members

<sup>41</sup> https://www.rtbf.be/info/belgique/detail\_digitalisation-de-la-justice-le-ministre-veut-relancer-le-processus-le-chantier-est-immense?id=10752519; https://www.lecho.be/economie-politique/belgique/general/legaltech-ce-business-qui-attend-son-decollage/10305924.html (accessed January 17, 2024).

began to fade; bonds to dissolve<sup>42</sup>. However, in July 2024, Belgian magistrates, lawyers, clerks and citizen are still waiting for the database and its anonymization tool to be developed.

"What are our challenges? One of the most important aspects was the link between Office 365 and IAM43. Currently, the technical teams are preparing the acceptance tests and we are in the last straight line to release. At the same time, we are continuing to work on the integrations with case management systems, so that in the future you won't have to need to manually upload judgments and rulings. It is important to emphasize that for this development we faced challenges that are typical for software development. [...] Once the integrations with the case management systems are complete, we will start the release process for users of the systems. We will announce this in a timely manner via this digital network, followed by online training sessions to familiarize everyone with the new process. [...] We understand that delay causes disappointment, but we want to emphasize that we are still in full compliance with the law. You can still upload judgments on paper and sign them." (A. Redant, Change Manager, SPF Justice – January 2024)

Through its various actions, OpenJustice.be has translated an initial problem (articulated through the - rapidly shared - indignation of PM) into concrete devices, both discursive (published analyses in textual and graphic formats, notably) and practical (digital tools). These devices serve as practical critiques of the "modernization" policies in the judicial system carried out over the past two decades, and the closed and costly modalities of accessing legal information. This practical critique is based on the search for alternative ideas and tools. By questioning the effectiveness of public and market regulations in terms of access to law and justice, OpenJustice.be aligns itself with a perspective of citizen reappropriation of legal information. However, is the collective's logic of action, based on projects and a form of "start-upization" of public action, neutral? "Is it not a product of the neoliberal society", the very society against which these actions are taken? We can revisit the question posed by Blanc (2015) to other projects based on indignation and involving community-based local currencies, and ask: "To what extent can the use of the codes and grammar of the project affect the scope of the protest itself?"

A primary risk of rebound effect specifically concerns the access to law and justice. By developing open tools and relying solely on digital mechanisms, OpenJustice.be's actions might inadvertently exacerbate the distance from the law experienced by populations affected by sociodigital divides (Dubois, 2022; Isckia & Parisot, 2023). A second risk lies in the network-based and innovation-

driven logics adopted by the collective. These are particularly attractive to some private actors (such as legal publishers, large law firms, and bar-associated incubators) and are more compatible with their entrepreneurial logics of action (Dubois et al., 2019) than with those of public administration. A third risk is the collective's ability to retain and enlist volunteers over the long term while securing the resources that are necessary to maintain existing tools. In other words, the professionalization of OpenJustice.be, which would have been necessary if the 2022 tender had been awarded, could have lead to some tensions with the volunteer-based openness ethos. In this sense, the nature of the critique posed by the team could have shifted from radicality (proposing an alternative system) to correction, engaging into a reality test rather than into an existential challenge (Blanc, 2015; Boltanski, 2009). Such a risk linked to the institutionalisation of an innovation potentially concerns any type of alternative, from mediation as an alternative dispute resolution to restorative justice as an alternative to imprisonment (Dubois, 2012): the institutionalisation of such innovations can often be summed up as the death of a good idea (Bastard & Cardia-Vonèche, 2000).

Nonetheless, further speculation on these hypotheses would be vain as this article aimed to offer a reflective reading of this collective experience, while accounting for a practical critique based on openness discourses and open technologies. This collective experience emerged with the aim of proposing an alternative to law and justice modernization policies based either on public initiatives or private partnerships. This alternative, based on open technologies and digital commons, was however unable to achieve the ambitious goal of designing and developing an open database of Belgian case law. Was this goal simply utopian?

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<sup>&</sup>lt;sup>42</sup> Another factor that may explain this slowdown in the community might come from the fact that, in summer and autumn 2022, some professional reorientations happened: PM joined the Court of Justice of the European Union as Data Innovation and Governance Officer; Martin joined the Fédération Wallonie-Bruxelles as Head of Operational Governance and Data Transformation; Renaud joined a digital strategy and technological consulting firm. If most of OpenJustice.be's members continue to work at the crossroads of law and digital technology, most of them are keeping loosely-coupled ties.

<sup>43</sup> IAM stands for "Identity & access management".

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