

Célya Gruson-Daniel

38 years old

French

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Professional experiences : research-practitioner and consultant for the implementation of Open Models in Research and Education

Since 2019 – Research-practitioner and consultant at Inno³

- Inno³ is a company specialized in open source, open data and open innovation
- In charge of the research & development activities. Our main researches are at the crossroads of legal studies, STS and communication studies.

Since 2019 – Research Fellow at Laboratory COSTECH

- The laboratory COSTECH (Knowledge, Organization and technical systems) is the social sciences laboratory at the engineering school UTC (University of Technology of Compiègne)

Since 2017 – Guest Lecturer in higher education institutions

- Université de Montpellier — DU Scientific Data Management — *Introduction to Open Science with an STS perspective*
- Learning Planet Institute — FIRE Doctoral School: *Data-driven research in Science & Society*
- SciencePo - École d'Affaires Publiques — Master: Initiation to data sciences: programming in social sciences — 2 tutorials
- Paris Est Marne La Vallée University — Master NUMI (Digital Studies and Innovation)

2018–2020 Co-founder of DRISS (*Digital Research in Science & Society*)

- DRISS is a company providing trainings, research and consulting activities to foster digital transition in public and private organizations, using innovative formats and practices (hackathons, open and data science trainings)

2013–2022 Co-founder of HackYourPhD/ hackYourResearch

- HackYourPhD: Open science community for PhD students and early career researchers. Collective thinking about research and its evolution with digital technologies and open science.

2013-2017 Digital Education and Open Science Project Manager at the Center Virchow-Villermé for Public Health (Université Paris Cité)

- Open Science project manager and research coordinator for the #MOOCLive project
- Development and management of the MOOCFactory.

2011-2013 - Science community and social media manager at MyScienceWork

- MyScienceWork: scientific social network dedicated to Open Access and online scientific media
- Community management and journalism on three main topics: Women in Science, Citizen science and Open Access.

Research and transversal skills

Interdisciplinarity approaches

- STS (Science, Technology, and Society): Focus on digital and technoscientific imaginaries, study of knowledge regimes and their transformations, governance of commons, digital economic models, “open” practices and uses (open source/science/data), digital infrastructures, and sustainability.
- Information and Communication Sciences (SIC): Materiality of devices, study of controversies and forms of digital mobilization, influence of design on devices.

- Cognitive Sciences: Enactive cognition, impact of intellectual technologies on the Self, cognitive capitalism, transmission, and reappropriation of digital cultures.

Digital Methods

- Specialization in mixed methods (quantitative and qualitative) and data science approaches in the humanities and social sciences (Digital Humanities).
- Grounded Theory and traceability of the qualitative research process.
- Proficiency in various digital tools within an open science and data science framework: bibliographic management with Zotero, data organization and processing with Python, collaborative work and version control with GitLab/GitHub.

Transversal skills

- Digital transformation of organizations and ecosystems through open strategies (open science, open data, open source).
- Consulting and support for the implementation of open science practices within institutions (Data Management Plan, FAIR principles, legal compliance, Open Source valorization, editorialization, etc.).
- Qualitative research (surveys, comprehensive interviews, usage studies, grounded theory analysis) using digital methods (mixed methods).
- Facilitation of participatory and co-design workshops.
- Project and event management (face-to-face and digital)
- Review of scientific publications and programs
- Writing scientific articles, reports and blog posts.
- Structuring and supporting research programs (funding, strategy, coordination, follow-up).
- Training and development of critical digital thinking.

Scientific Publications (most relevant)

- Le Béhec Mariannig, Gruson-Daniel Célya, Lascombes Clémence, Schultz Émilien. Notebooks et science ouverte : FAIR mieux. 2024. (hal-04485968), `pre-print`
- Gruson-Daniel, Célya, Jean Benjamin, Medjaoui Mehdi, Boyd Mark. 2023, « Improving Trustworthy and Sustainability Digital Infrastructures with The Fair API Commitment to Trust Model ». Inno3; Les mainteneurs; Platformable., <https://hal.science/hal-04180319> `reports`
- Gruson-Daniel, Célya, et Groupe Projet Réussir L'Appropriation De La Science Ouverte. 2022. « Décliner la science ouverte ». Report, Comité pour la science ouverte. <https://doi.org/10.52949/27>. (synthèse FR : <https://hal-lara.archives-ouvertes.fr/hal-0379858> et EN : <https://hal-lara.archives-ouvertes.fr/hal-03800470> et site web : decliner-so.pubpub.org `reports`
- Gruson-Daniel Célya. 2021. Enquêter sur la science ouverte : regard réflexif sur la construction individuelle et collective d'une posture de recherche. "Enquêter sur les pratiques numériques au sein des communautés scientifiques: regards sur les outils et les données au prisme de la science ouverte", Paris, France. <https://halshs.archives-ouvertes.fr/halshs-03764503> `conference papers`
- Gruson-Daniel, Célya., Anderson-González Maya..2021. « Étude exploratoire sur la « recherche sur la recherche » : acteurs et approches ». Report, Comité pour la science ouverte. <https://doi.org/10.52949/24> et site web : meta-openresearch.pubpub.org `reports`
- Gilles Mathieur, Pigeon Dominique, Rabemanantsoa Tovo, Chipeaux Christophe, Duvillard Simon, Gruson-Daniel Célya, Herbet, Marie Emilia . 2021. « Rapport du groupe de travail sur les cahiers de laboratoires électroniques ». Research Report. Comité pour la science ouverte. <https://doi.org/10.52949/3>. `reports`
- Gruson-Daniel, Célya., Jean Benjamin. 2021. "Étude Relative à l'ouverture Des Codes Sources Au Sein de l'Enseignement Supérieur et de La Recherche (ESR) : Considérations En Termes d'usage et de Valeur." Research Report. INNO3; Etalab; Comité pour la Science Ouverte. <https://hal.archives-ouvertes.fr/hal-03125456>. `reports`
- Bafeta, Aïda, Jason Bobe, Jon Clucas, Pattie Pramila Gonsalves, Célya Gruson-Daniel, Kathy L. Hudson, Arno Klein, et al. 2020.. "Ten Simple Rules for Open Human Health Research." PLOS Computational Biology 16 (9): e1007846. <https://doi.org/10.1371/journal.pcbi.1007846> `articles`

Recent research project

- 2023-2024 : Coordination of the "Shared Knowledge" seminar with Simon Apartis and Simon Dumas Primbault (InSHS, CIS, Open Edition, Inno3) on the production of knowledge by non-academic communities and their relationships with scientific and cultural institutions.

- 2022-2024 : Coordination of the Innov'Up program on the Open Source compliance software "Hermine": focusing on the sustainability of the community project in its economic and organizational dimensions, inspired by commons dynamics.
- 2021-Present : NOOS Notebook for Open Science. Winner of the GIS URFIST. Project conducted with Mariannig Le Behec, Emilien Schultz, Clémence Lascombes, Manon Blondel, exploring the use of notebooks in academic contexts and their integration into open science practices.
- 2021 : APIToS : towards a Creative Commons Model for APIToS (Digital Infrastructure Research 2020 laureate from Ford Foundation, Sloan Foundation)
- 2021- Present : member of the scientific committee of the RFFLabs (Fablab French Network)
- 2020-2021 : Réussir l'appropriation de la science ouverte for the le CoSO (Comité pour la Science Ouverte) and Université de Paris.
- 2020-2022 - Working Group Open Science & Society of the Internet & Society Center : coordination with Nicolas Loubet and Jean-Baptiste Sherrer.
- 2020- Present - Development of action-research within Inno³ (CIR): open source, open infrastructure, and open science: prototyping and implementing "sustainable open models."
- 2020-2021 - OpenESR : reflexive views on the implementation of open models in higher education and research with Inno3 and HackYourResearch

Education : an interdisciplinary course in prestigious higher education institutes

2014-2018 –Doctor of Philosophy (Ph.D.) — Field : Interdisciplinarity, Science & Technologies Studies, communication studies

Learning Planet Institute - Université Paris Cité

- Doctoral school: Frontiers in Learning and Digital Sciences
- International co-supervision: Florence Piron (Université Laval/Québec) , Pascal Jollivet et Yann Moulier Boutang (UTC / France)
- Thesis: The french regime of knowledges and its dynamics : open in sciences and digital technologies in debate. The case study of the french bill for a digital republic (2015) » [HAL](#)

2010-2012 – Specialization certificate “Science, democracy and social innovation”

Conservatoire National des Arts et Métiers (CNAM)

- Thesis: Science, society and web 2.0
- Scientific communication training in Paris (1 year) at **Deuxième labo**

2007-2010 - École Normale Supérieure Diploma

École Normale Supérieure (ENS Ulm)

- Recruitment through the “ concours normalien étudiants”
- Training in scientific and cultural mediation in Paris (3 months) at “**le Laboratoire Art-Science” (Paris/MIT)**
- Junior specialist at **Gazzaley Lab (UCSF)** – San Francisco. Study : “EEG studies about temporal attention and aging”

2007-2010 - Master “Behavioral and cognitive neurosciences” (mention Bien)

Pierre et Marie Curie University (UPMC) and École Normale Supérieure (ENS)

- Research training at **Psychology and Cognitive Neurosciences Laboratory** – Paris Descartes University (10 months)
- Master 2 thesis: “Episodic/semantic distinction in autobiographical memory with aging”