Partnership between CASD and BDF: Access and linkage between French national statistical micro-data and Banque de France micro-data.

> Kamel Gadouche, Director CASD (Secure Data Access Center) Olivier de Bandt, Director of Research (Banque de France)



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October **16<sup>TH</sup> 2024** 

CESS 2024

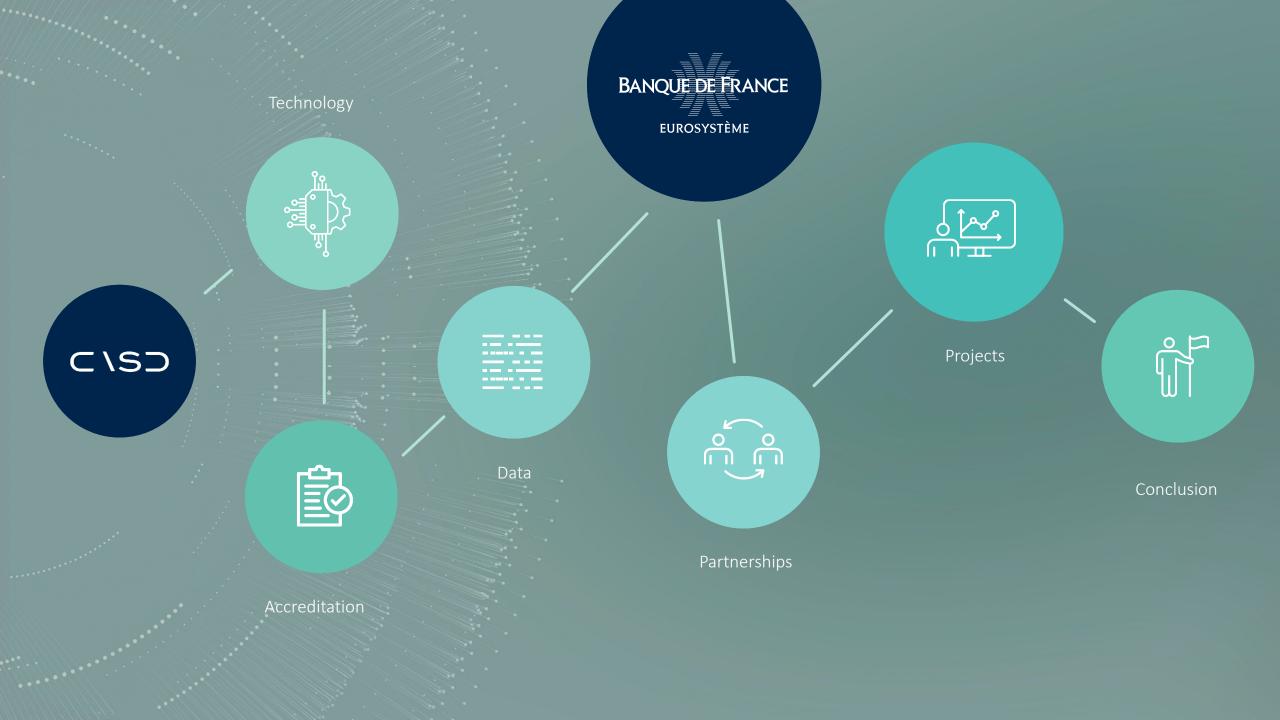
Although it's a crucial indicator, there are many questions GDP doesn't answer such as : distributional issues, inequalities, environment and so on

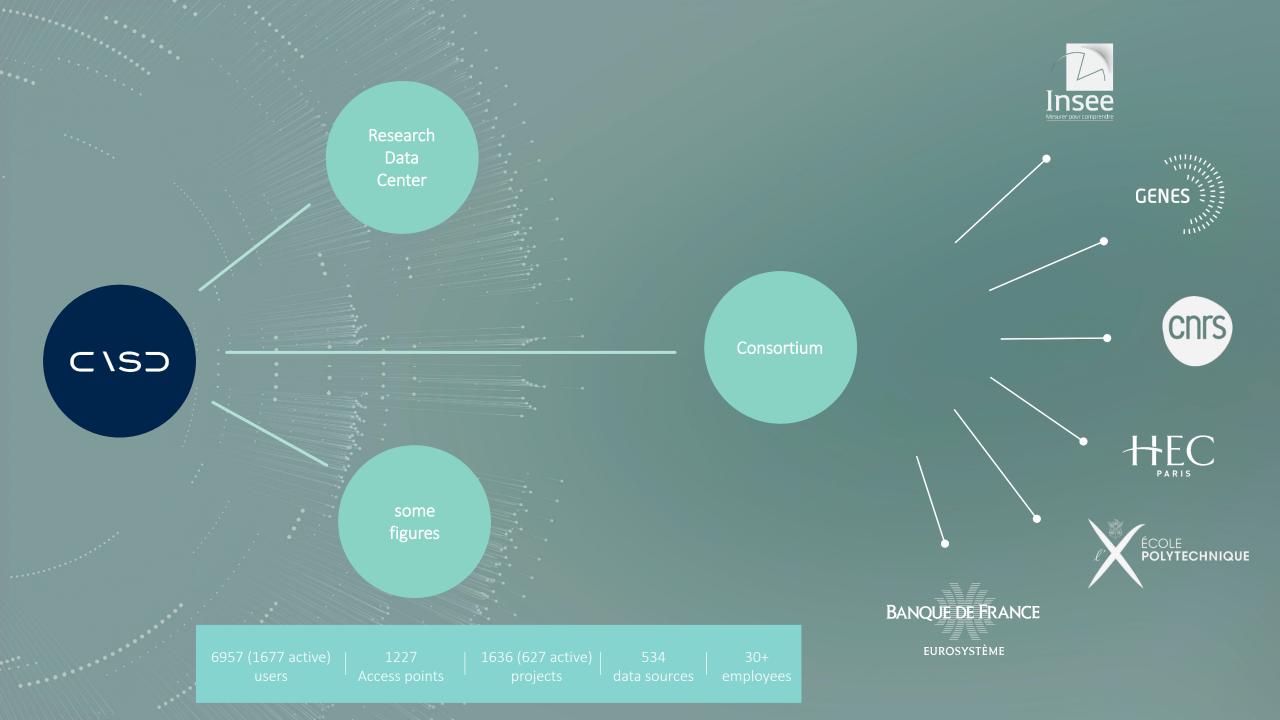
Motivations

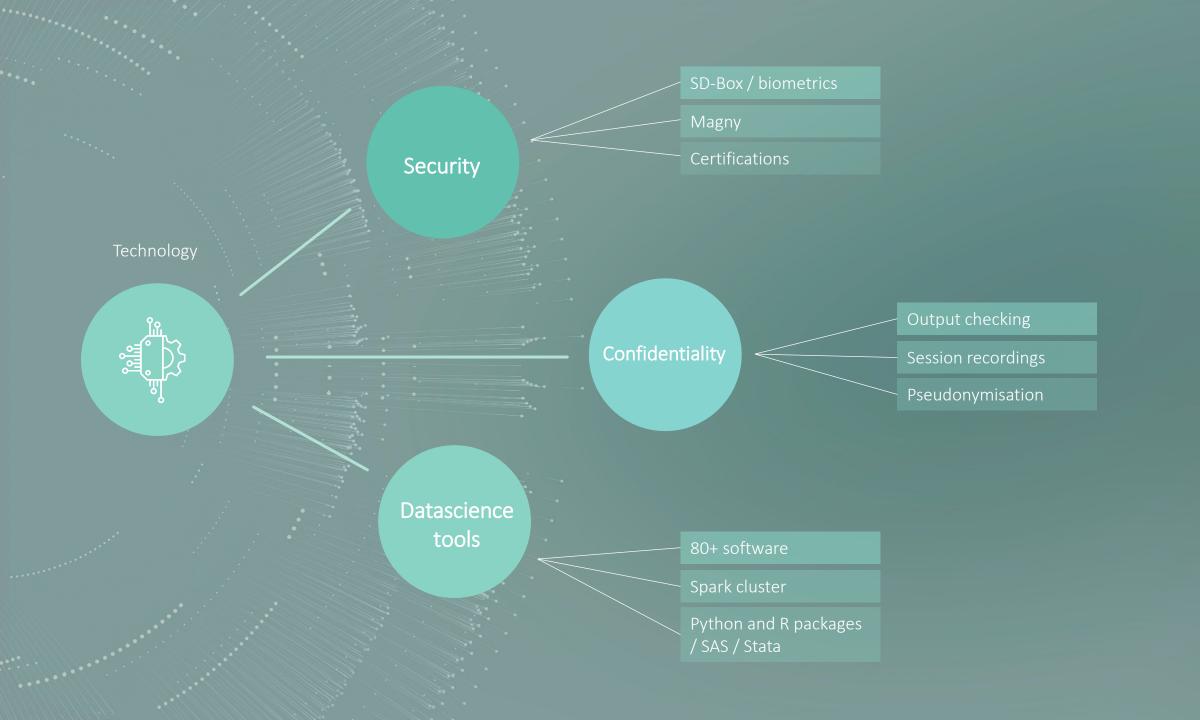
However, there are many valuable data sources collected by many data producers, public and private

Researchers could help answer those questions if they get access to these data sources and they can link the data sources

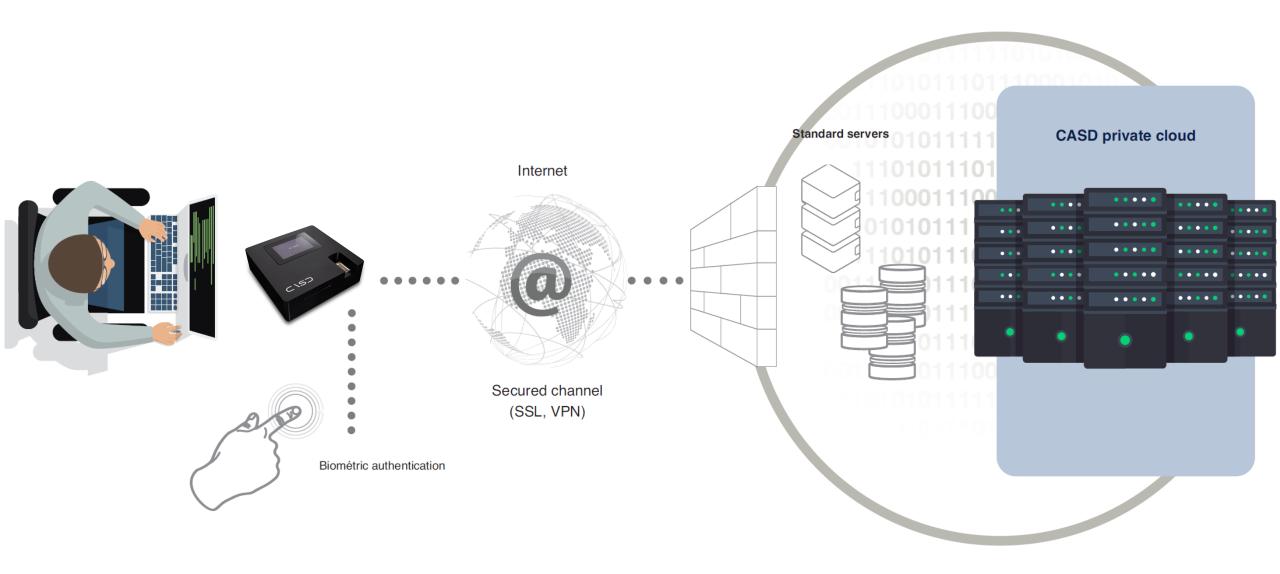
How to make these data sources available to researchers ?





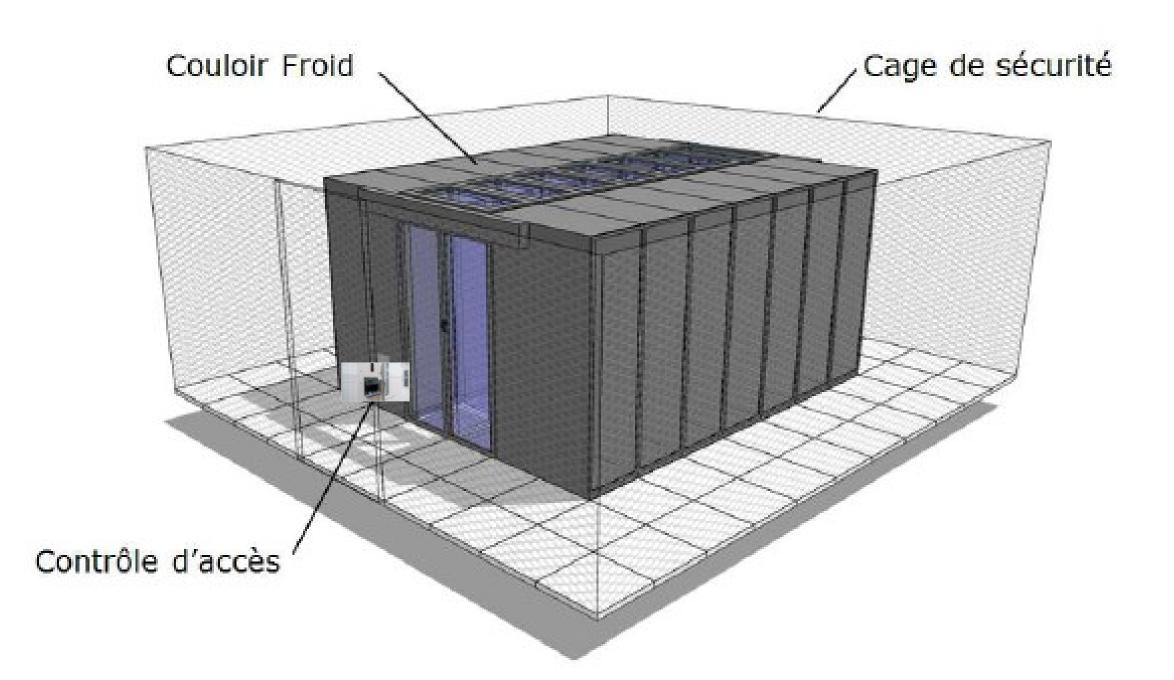
















#### DELIBERATION n°2014-369 du 25 septembre 2014

Commission Nationale de l'Informatique et des Libertés

Nature de la délibération : Autorisation

Date de publication sur Légifrance : Jeudi 23 octobre 2014

Etat juridique : En vigueur

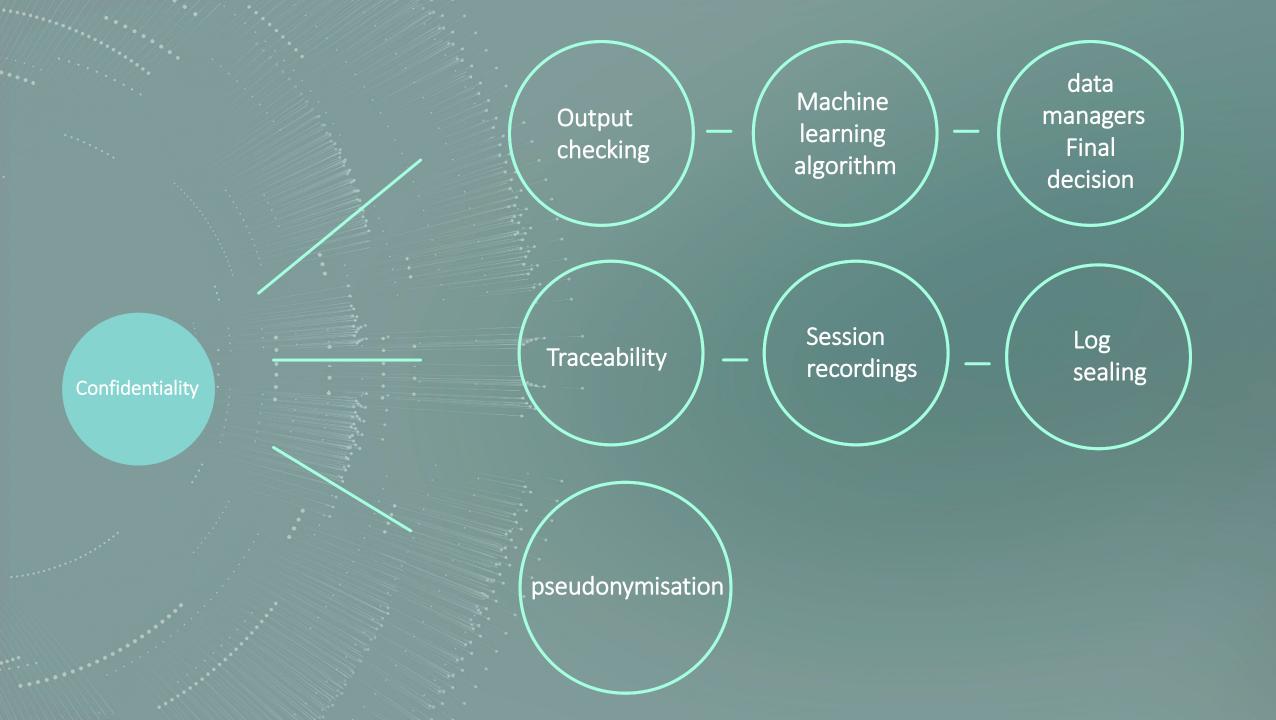
COMMISSION NATIONALE

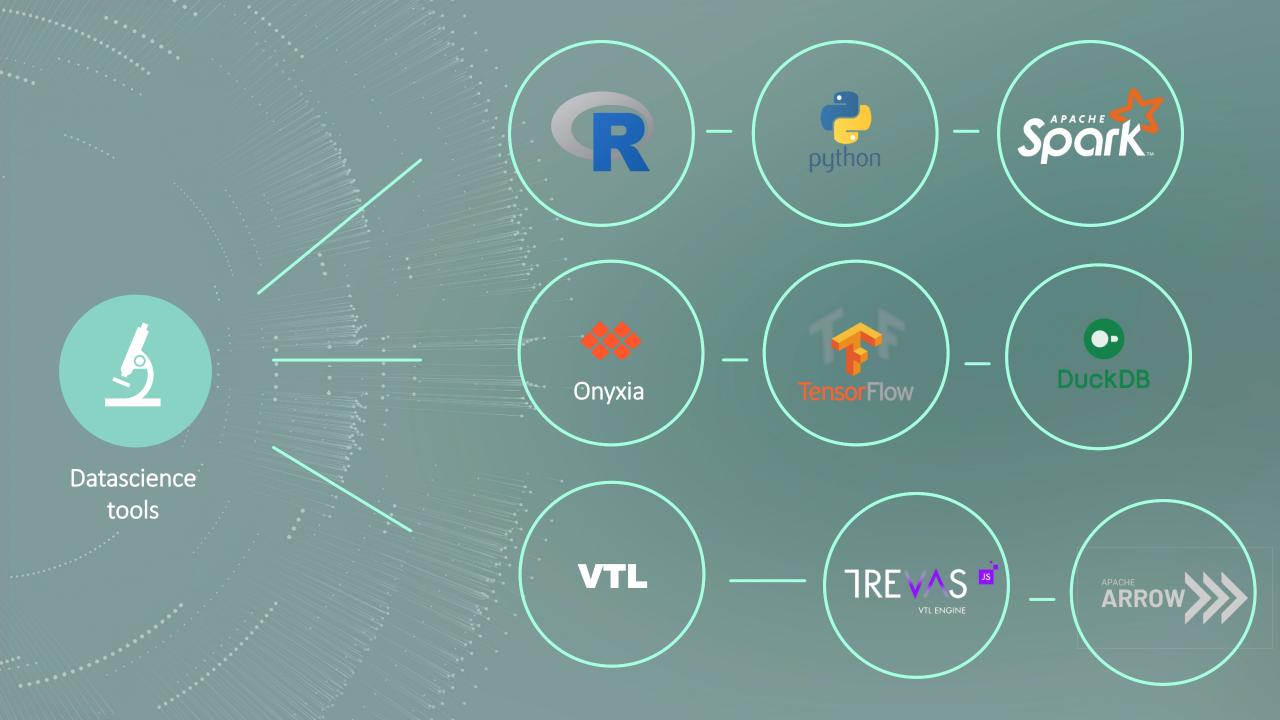
**INFORMATIQUE & LIBERTÉS** 

Délibération n° 2014-369 du 25 septembre 2014 autorisant le groupe des écoles nationales d'économie et statistique (GENES) à mettre en œuvre un traitement automatisé de données à caractère personnel reposant sur un dispositif biométrique des empreintes digitales et ayant pour finalité de sécuriser l'accès aux données mises à disposition dans un centre d'accès sécurisé distant (CASD)

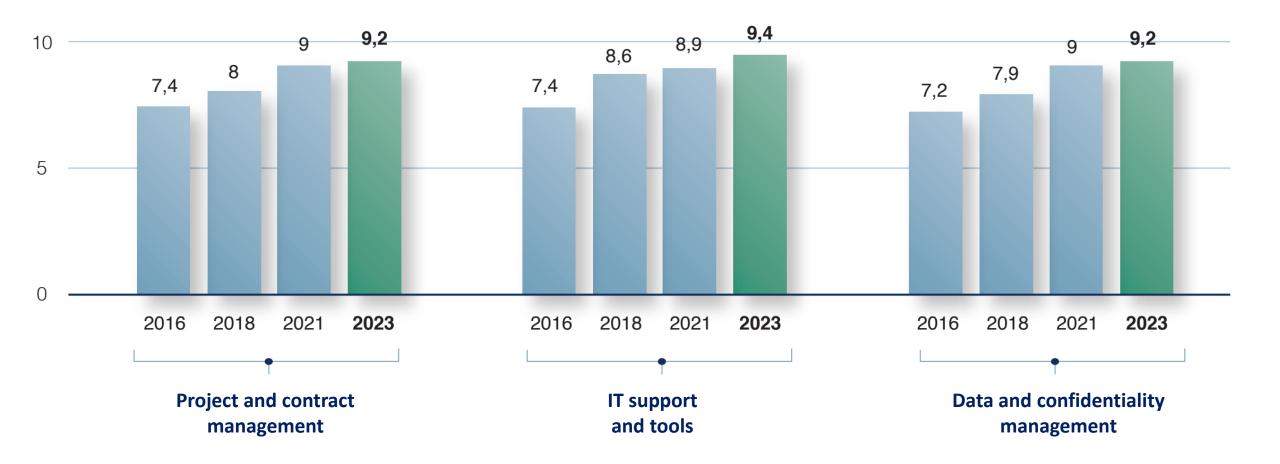
Certifications

Bureau Veritas Certification





### USERS' FEEDBACK BASED ON SURVEY ABOUT CASD SERVICES 2016, 2018, 2021 AND 2023



The members contributes for 20% of CASD annual budget (4M€)



fundings

Researchers and statisticians are charge (an average of 4 200€ per year per project which may include several researchers)



CDVL		Confidential Data Access Portal		
		Bienvenue sur le portail CDAP d'accès aux données confidentielles !		
		Agence technique de l'information eut rhoipitalisation (ATIH) Agence technique de l'information santé (SNDS) Agence technique de l'information santé (SNDS)	écurisé aux	
Ω	médecin			
	Groupes de thèmes	MEDGENLIB3 : 3ème Panel national de médecins généralistes libéraux		
Économie – Conjoncture – Comptes nationaux		MEDULINEDS. Jenne Pairet national de medecinis generalistes aberaux		
Démographie		MEDGENLIB4 : 4ème Panel national de médecins généralistes libéraux		
Revenus – Pouvoir d'achat – Consommation			CSS -	
Conditions de vie - Société		MCO : Médecine, chirurgie, obstétrique et odontologie (PMSI)		
Marché du travail – Salaires		HITA		
Entreprises				
Secteurs d'activité				
Développement durable –				

Accreditation

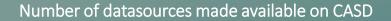
CDAP **Confidential Data Access Portal** 

Statistical Confidentiality Commitee

> Data producer

Banque de France

Meta (Facebook and Instagram) Tik Tok

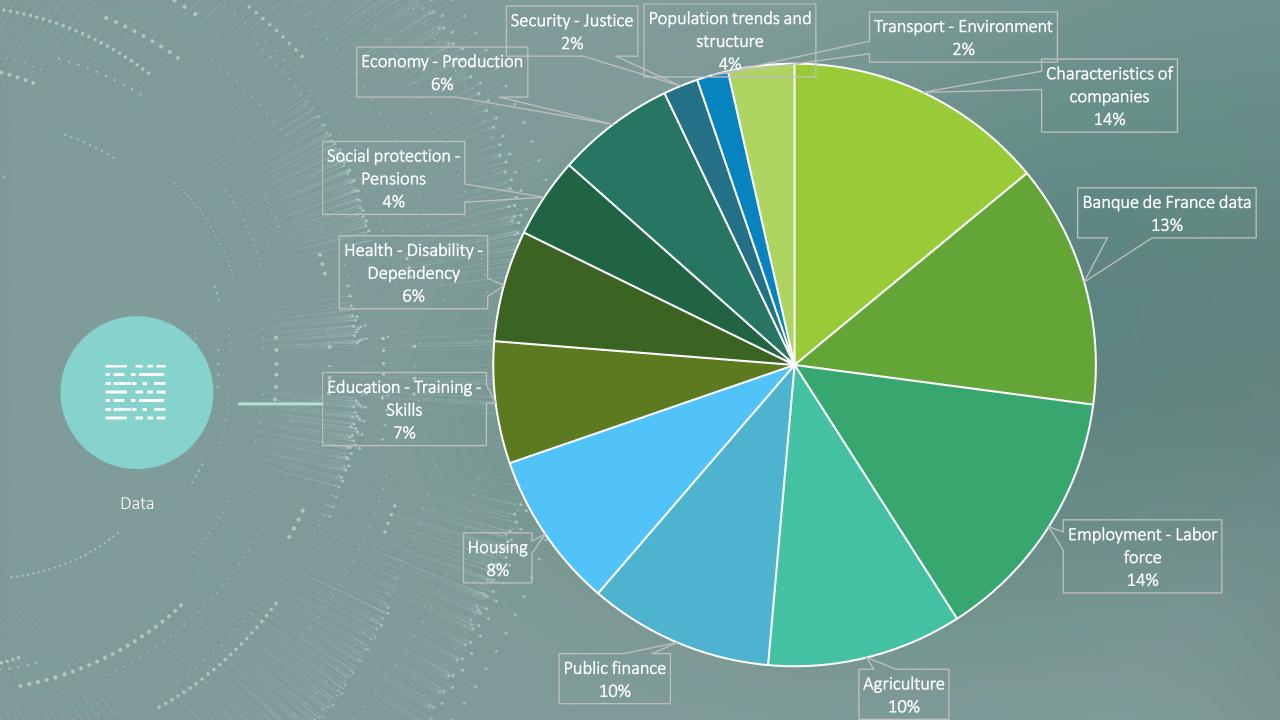


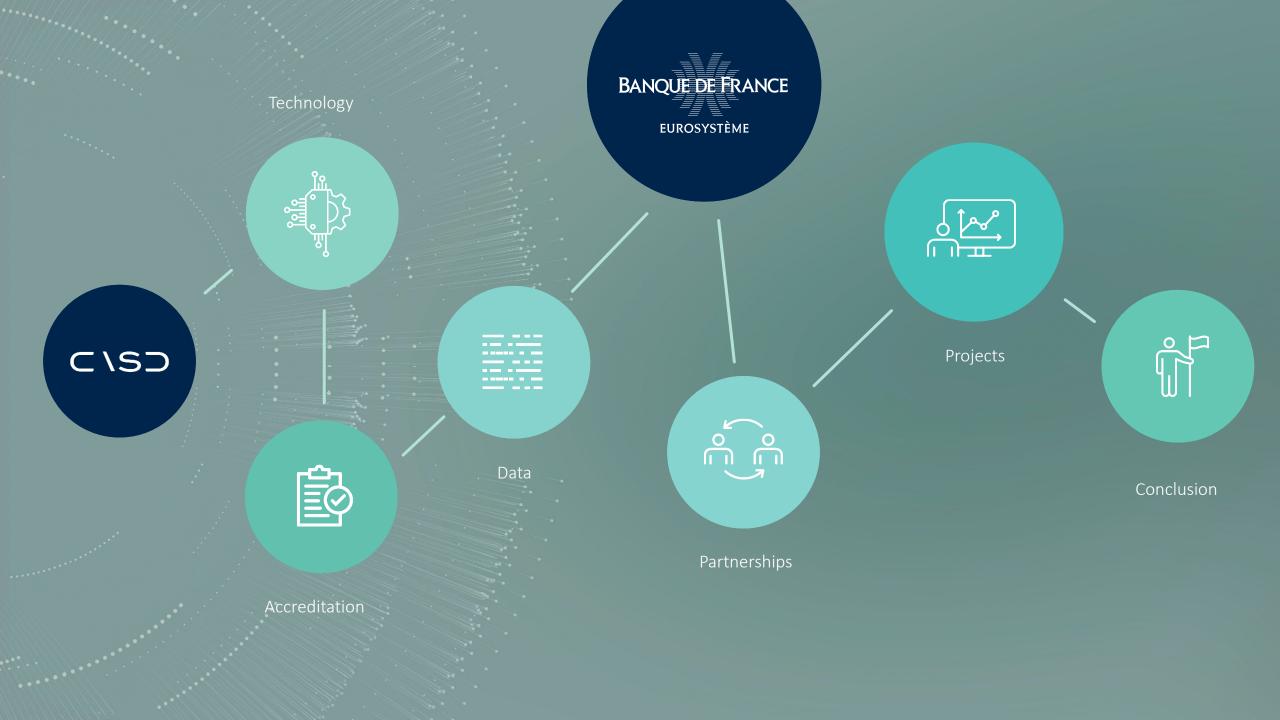
2023 202418)



Data

	National Institute of Statistics and Economical Studies (INSEE)	Ministry of Finance	Ministry of Labour
	Ministry of Agriculture	Ministry of Justice	Ministry for Health
Data	Ministry of Environment	Central Agency for Social Security Organisations	Public Investment Bank
	Meta (Facebook and		
	Instagram) and Bytedance (TikTok)	Healthcare data	Banque de France



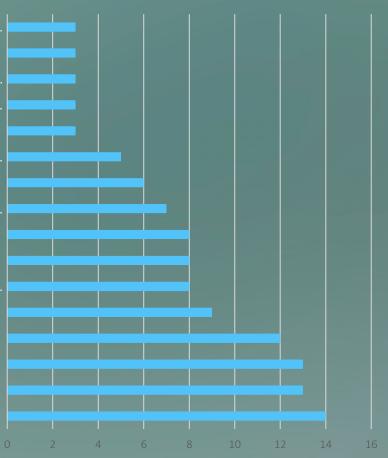


### More central bank data now available, notably at Bank oF France, this is a major step forward

Data sources

Capital stock held by foreign companies in France -Capital stock held outside France - Stocks (IDFE - stocks) Companies reporting financial credit from foreign... Companies reporting trade credit with foreign.. Inward and Outward FDIs in France (IDFE - flows) Operations of branches for banks with networks... Analysis of Legal Entities (COTA) Complementary Survey on international transactions... Survey of New Loan Contrats (M CONTRAN) New Credit lines to companies (NCE) Corporate accounts - historical data (1989-2010). Corporate Accounts - Details (FIBEN) Corporate Accounts - balance sheet (FIBEN) Credit distribution to companies by banks (SCR) Balance Sheet- Groups - French GAAP (FIBEN)

### Number of projects



Balance of payments

Credit distribution

**BANOUE DE FRANCE** 

EUROSYSTÈME

Financial statements

Banque de France joined the CASD consortium in 2023 (replacing its own physical data room)

Unifying The accreditation procedure

Unifying the secured environment Allowing researchers to apply only once for datasources from Banque de France and other data producers from the statistical system

Allowing working on several datasources from Banque de France and other data producers from the statistical system in the same environnement

Agreement in 2022



Partnerships

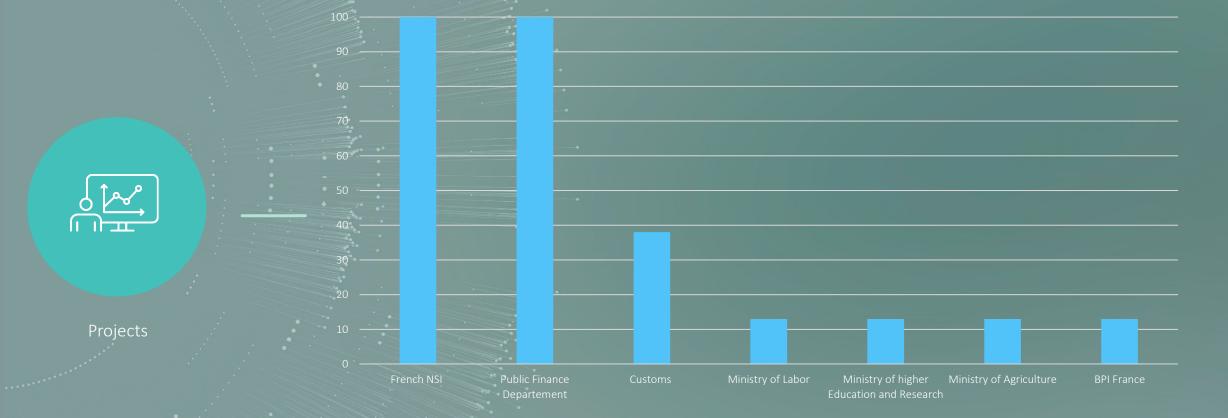
LINKING data from different Administrative sources has proved essential for research : CASD has been designed from the beginning to make this possible

CASD : 72% of projects carried out in the CASD's secure environment uses data from more than one dataproducer

Projects

BDF : 80% of projects from academic researchers using BdF data -since Banque de France began making data available on CASD- is a joint use with other data.

# For projects using BdF data, what is the origin of the other data used ? (%)



the partnership is too recent to have produced publications already, however we can illustrate the potential of this new partnership with projects which have been finalized using Banque de France data only



The Crowding Out Effect of Local Government Debt: Micro- and Macro-Estimates

Projects

The unequal distribution of credit: Is there any role for monetary policy?

## Noémie Pinardon-Touati : The Crowding Out Effect of Local Government Debt: Micro- and Macro-Estimates

Study the financial crowding out effect of local government bank debt on corporate credit using French credit registry (now available on CASD)

€1-increase in local government borrowing from a bank

reduces that bank's corporate credit by €0.5 lowers corporate investment and GDP by €0.2 *"The unequal distribution of credit: Is there any role for monetary policy?"* Samuel Ligonnière, Salima Ouerk, BETA, Document de Travail n° 2024 – 19 BDF data on firms, households and financial institutions (now available on CASD)

Expansionary monetary policy surprises (lower interest rates) Surge in <u>mortgage credit</u> only for households in the top 20% income bracket.

Increase in consumer credit for all households

## Main takeaways

Conclusion

Use of granular data by academic researchers has witnessed a sea-change

**Linking data from different datasources** (economic, financial, health, social, environment, social networks, well-being...) is a major source of value added

It provides a richer view to go beyond GDP, among others :
1. Explain the transmission channels of economic activity
2. Highlight differences across individuals (inequalities)
3. Help define better public policies
4. Improve our understanding of well-being

## Thank you

Thanks to

Hélène Charasson-Jasson (BDF) Jean-Pierre Villetelle (BDF) Eric Debonnel (CASD) Remy Marquier (CASD) for their Contribution.

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