



La Régulation par la donnée

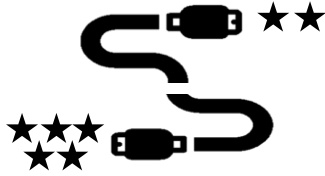
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Data driven regulation

Pierre DUBREUIL – November 2021

Putting in place an outcome focused
data driven regulation

Key findings when starting the process



Inequal quality of service



Lack of reliable information on the quality of mobile service.
No suitable tool



No real data



A real desire on the part of users and local
authorities to contribute to regulation

Unbundling mobile data



Monreseau mobile.arcep.fr

- Publication of **theoretical coverage maps** for operators
- Results of Arcep's **quality of service surveys** and measurements by third parties (including local authorities)



Mobile New deal dashboard

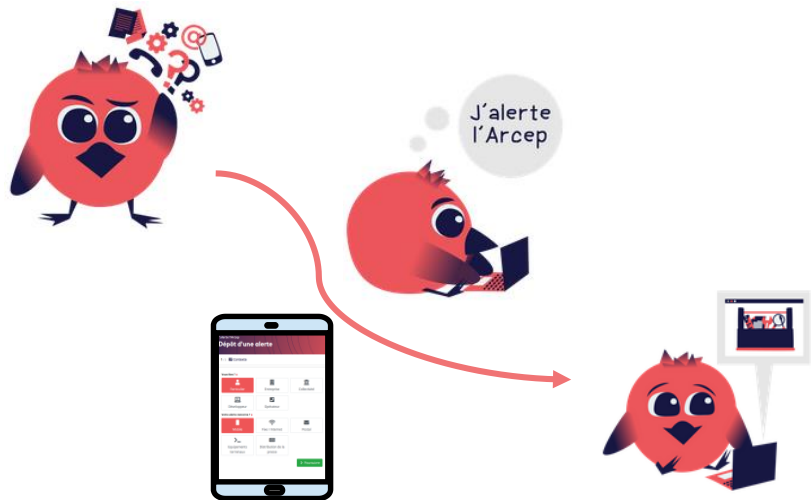
- **Monitoring of obligations** resulting from the Mobile New Deal including switch to 4G and “targeted coverage system”
- Cartographic and quantified data, **detail by operator, at national and departmental level**

Co-constructing the regulation

Téléphonie, internet, mobile et fixe, postal, distribution de la presse

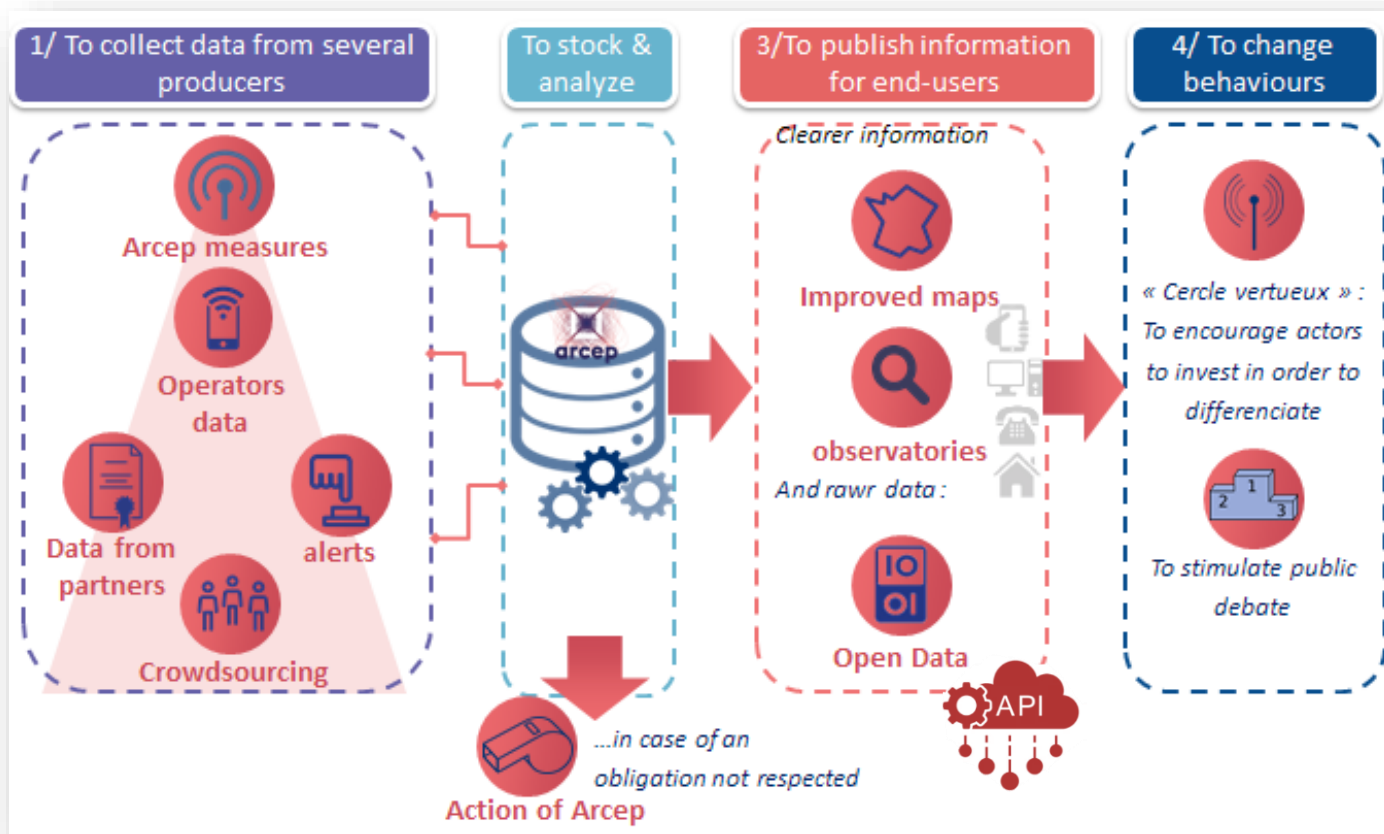
J'ALERTE L'ARCEP

Pour accéder à des conseils adaptés et contribuer à l'amélioration des réseaux

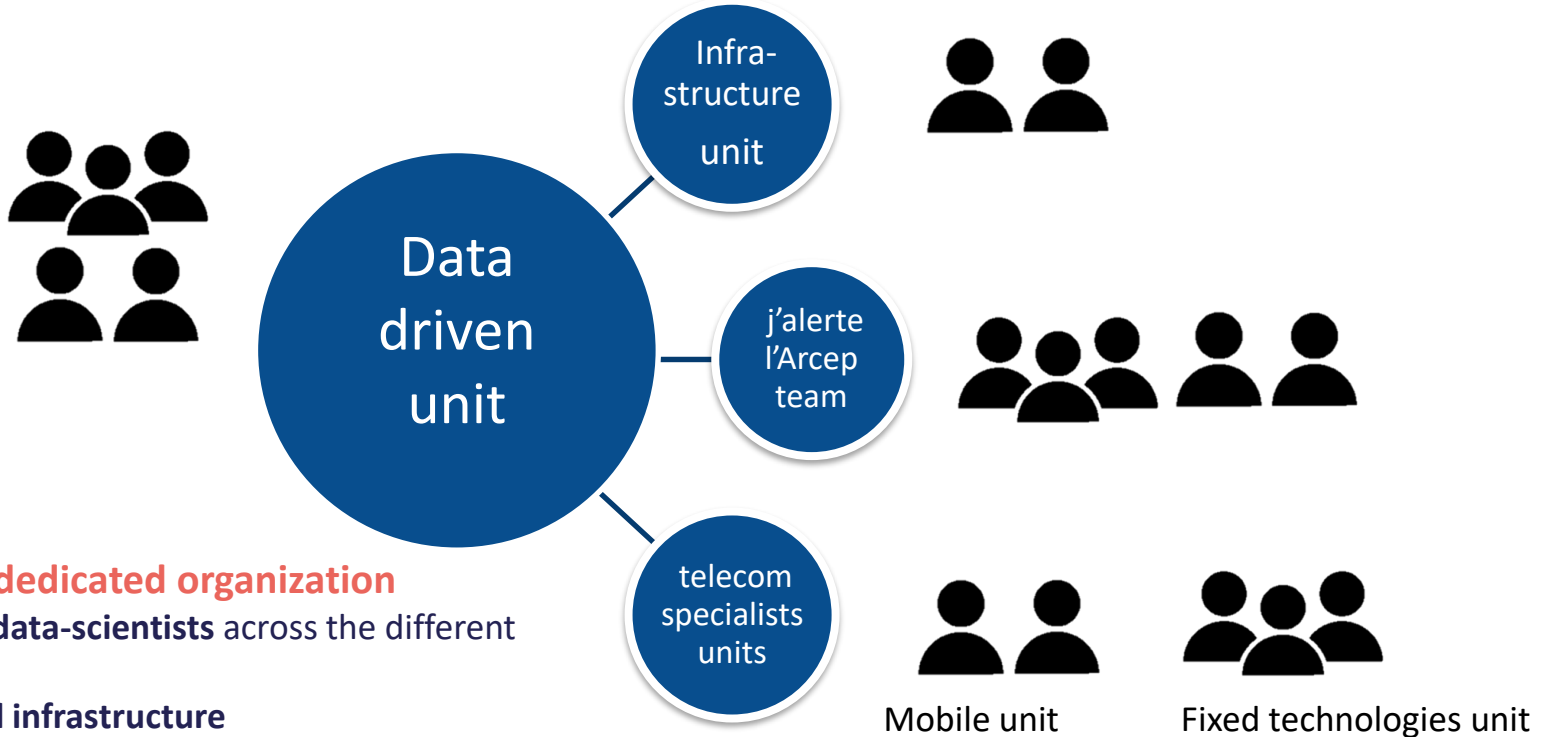


Construction of a theoretical schema

A global approach in 4 steps



A fully involved institution at all levels



A dedicated organization

- **Around 10 data-scientists** across the different teams
- **A dedicated infrastructure**
- **New skills acquired** : data hosting, handling, analysis, linux infrastructure
- Automation of processes

A shared and recognized approach

Notable works



Common position of 8 French regulators

(energy, transport, financial markets, privacy, competition, audiovisual, online gaming) about data-driven regulation



OECD workstream “Shaping the future of regulators” and study cases on data driven regulation approaches



Data driven approach will be a pillar of the regulation for a sustainable digital sector

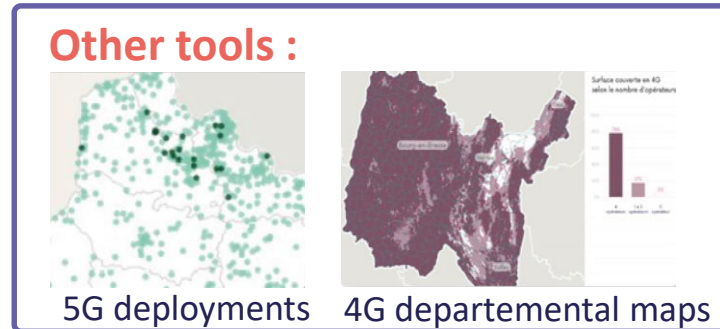
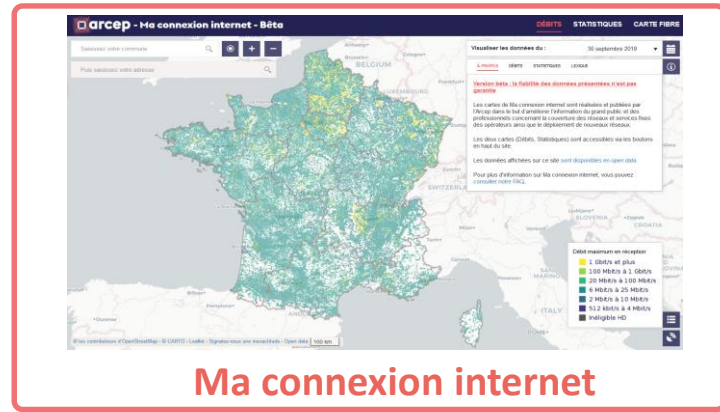
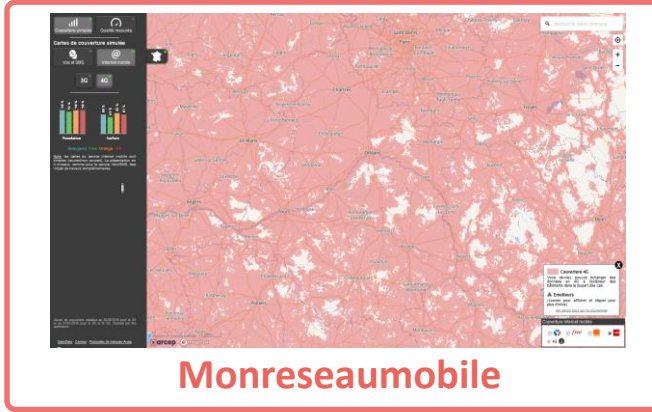


Emergence of comparison tools in other sectors : **Yuka** (foodtech), **Open Terms Archive**

An outcome focused approach

Objective 1

- Enable users to make informed choices and better shepherd the market



Objective 2

- Amplify the regulator's ability to act, notably in a supervisory capacity



Mobile New Deal dashboard

- Follow up of reglementary obligations
- Transparency and reporting on new mobile antennas



Internal Data Bases

- On demand analysis
- retention of historical information



Automatic reporting

- Alert system if a specific theme appears repeatedly on J'alerte l'Arcep
- Reporting on data collection, etc.

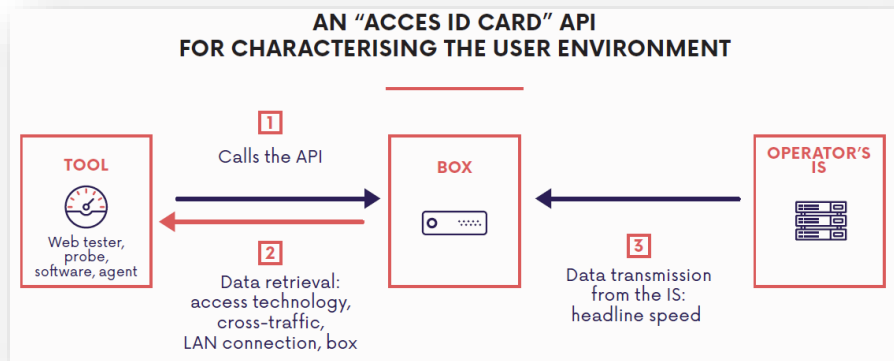
An outcome focused regulatory approach

An increase in network investment of **40%** in 4 years

An alliance with the crowd :

More than **100 000 alerts** collected on the platform in 3 years
+ direct impact on regulatory actions

An “Acces ID” API to characterize the user environment in the context of fix QOS measurement Implemented in the CPE of the ISPs



Regulating with data: more than transparency

~~Soft law~~

~~Deregulation~~

Regulating with data is still regulating

A **strong regulatory tool** : using the power of information to understand the market and shed light on how it operates in a factual fashion, to then steer it more effectively in the right direction and better protect consumers and their rights in these different markets.

Any questions ?



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