



B.D.Q.S.

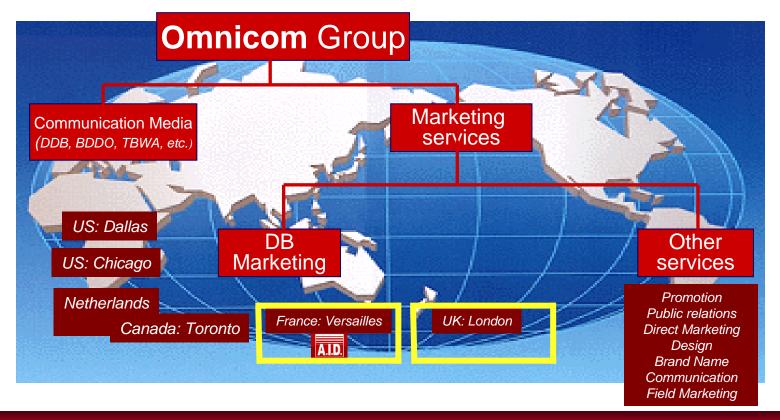
Why we use it at A.I.D.

GIVING MEANING TO YOUR DATA



A.I.D. – Part of Omnicom group

- Omnicom Group is one of the leading international groups in the communications industry.
- A holding company at the forefront in the fields of communications, public relations, marketing and database services, Omnicom is present in over 100 countries.





A range of Services and solutions

Information Systems - CRM

Data Quality

Marketing Performance

Decision Support Marketing

Data Concept

Data Quality Suite

Statistic Drive

Data Develop

Datamart Quality

MarkeTwin

Data Management

Base for DQ System

Data Storage

Campaign Management

Market Tracker

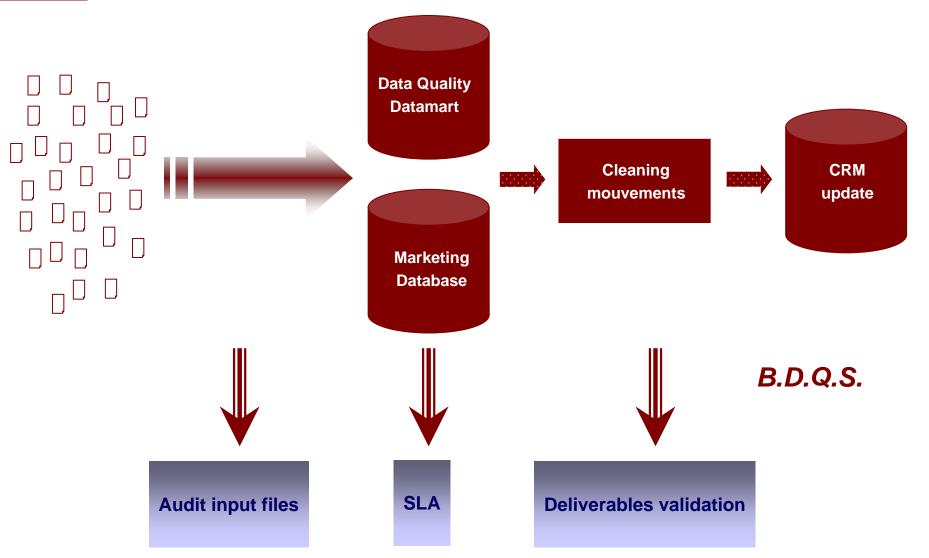
Marketing Optimisation

E-messaging & e-mail deployment

Campaign Tracker



BDQS = To do what?





BDQS = To do what ?

- To audit an input file:
 - A file is received for deduplication, direct marketing operation or integration into a marketing database
 - The contain, the parsing, LOVs, patterns are controlled thanks to BDQS
 - → To list the cleanings to put in place before to use the file
- **To measure on a regular basis** a system: marketing database, CRM,..hosted by A.I.D:
 - To publish a data quality scorecard
 - To validate our SLA engagement using a tool different from the production tool
 - To give to the production tracks of improvement
- **To validate** a file before delivery:
 - After a deduplication operation or a CRM cleaning, the files are controlled before delivery
 - Type of control: LOVs, uniqueness, integrity, fake values,...



BDQS = Algorithms available

- List of values, integrity, uniqueness
- Pattern analysis
- Fake values: characters, words, repetitive characters
- Emails check, phone number check
- Duplicates: sophisticated tool based on a statistical method and taken into account data quality indicators
- Statistical analysis implementation in progress and specific algorithms can be implemented by the client



BDQS = Algorithms available Example of duplicates parameters

```
condition C7
     compare_not_null last_name { editdist <= 1 }
     and compare_not_null first_name { letters >= 80 , skel > 50 }
     and compare address { letters >= 80, skel > 75 }
     and compare_not_null country { equals }
group email {
                                   Compare all the records
   conditions {
                                  with the same email
   C1 (11)
   or C2 (12)
   or C3 (13)
   or C4 (14)
   or C5 (10)
   or C6 (15)
                                   Compare all the records
group tel {
                                  with the same phone number
   conditions {
   C7 (22)
   or C8 (23)
   or C9 (24)
   or C10 (5)
```

All the attributes can be combined thanks to indexes as Edit Distance

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BDQS = Algorithms available How to query the uniqueness

Example:

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1	Smith	Albert	salbert@hotmail.com		
2	Smitt	Α	salbert@hotmail.com		12
3	Smithe	Alberd	salbert@hotmail.com	0139239345	14
4	Smiss	Albert		0139239345	21
5	Smiss	Albert		0139239345	5

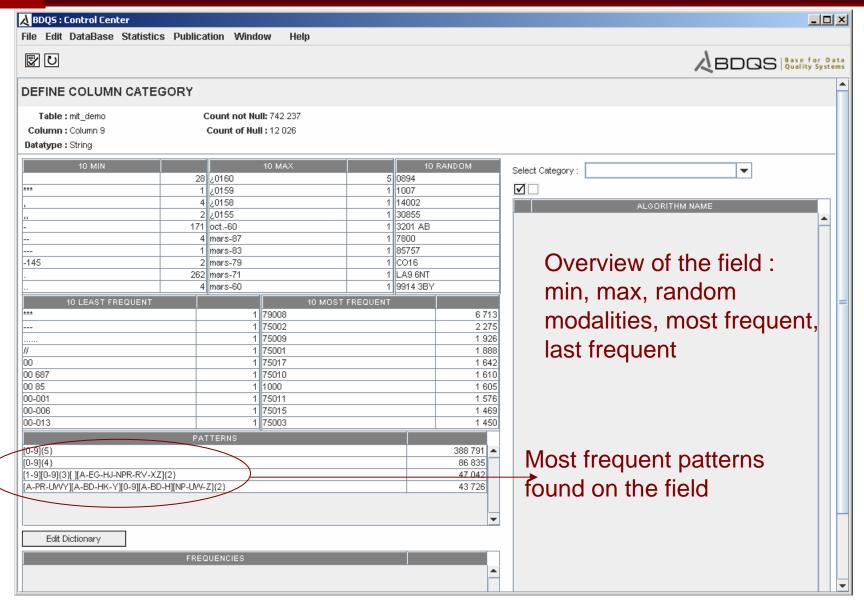
2 dedicated queries :

- Number of masters ?
 - Depending on the confidency level accepted
- Number of duplicates ?
 - To analyze the group of duplicates : origin, ...

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BDQS = Algorithms available Example of pattern detection





BDQS = Access to the data

Targeting the entire population, not only samples

A query tool user-friendly and

very fast

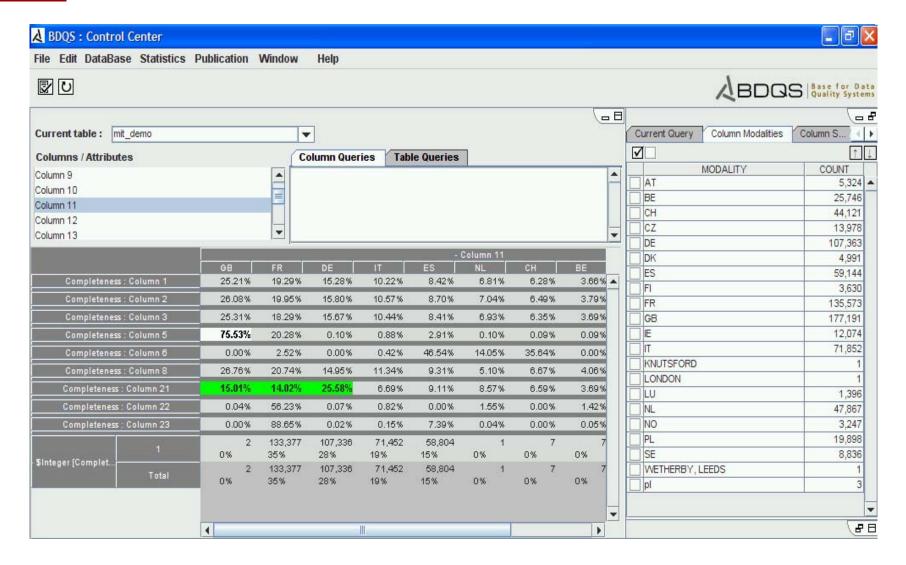
Only few seconds for complex queries on millions and more records

To find specific cases

An operational measurement: populations to clean can be directly extracted



BDQS = Access to the data







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