

IPRs and their data analysis

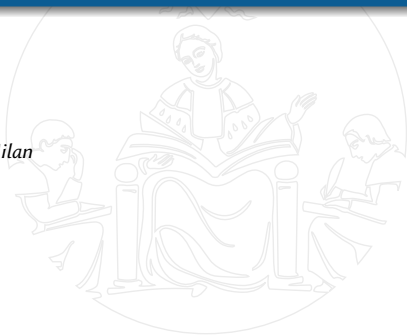
MODULE 9 – ORBIS [IP]

Jacopo Staccioli, PHD^{†‡}

[†] *Università Cattolica del Sacro Cuore, Milan*

[‡] *Scuola Superiore Sant'Anna, Pisa*

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1 ORBIS

- What is ORBIS [IP]
- PATSTAT-ORBIS IP match



What is ORBIS [IP]

ORBIS : an online database by Bureau Van Dijk (BvD)

- “the world’s most powerful comparable data resource on private companies”
- collects, cleans, and standardise firm data from ≈ 160 providers
- both *public* and *private* companies
- 488M+ firms, of which 353M+ *active*
- $\approx 99\%$ of companies from virtually any country

ORBIS IP : module with patent data linked to ORBIS firms

- 162M+ patents
- 279K+ litigations
- 100+ patent authorities



What is ORBIS [IP] (cont'd)

additional data (not all necessarily available at UNICATT)

- corporate ownership structures and beneficial ownership information
- data on individuals associated with companies
- financial strength metrics and projected financials
- associated news and independent research
- original as-filed documents
- global M&A deals and rumours
- marine vessels data
- environmental, social, and governance (ESG) reputational risk ratings and metrics
- public tenders data
- public interest entities (PIEs)
- royalty agreements
- politically exposed person (PEPs) and sanctions
- some macroeconomic series



What is ORBIS [IP] (cont'd)

downsides

- firm history only for last 10 years (rolling window)
- interface is slow, click-intensive, often unresponsive, prone to jamming
- there is no API
- data export is limited and somewhat painstaking
- maximum 2 simultaneous users (UNICATT license)

Arndt, Lukas (2023) *When Should We Believe Research Using ORBIS Firm Data?*

Available at SSRN: <https://ssrn.com/abstract=4584106>



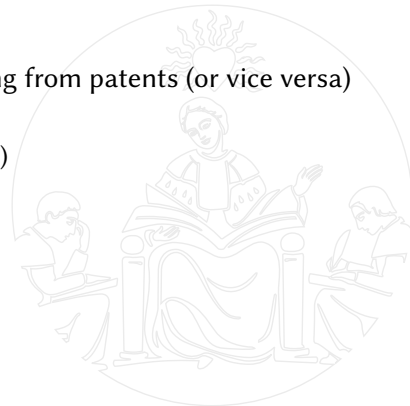
PATSTAT-ORBIS match

- PATSTAT is useful for retrieving data about patents
- ORBIS is useful for retrieving data about firms
- ORBIS IP is useful for retrieving data about firms, starting from patents (or vice versa)

Q how to go from one to the other?

- 🟢 patent publication number (between PATSTAT and ORBIS)
- 🟢 BvD ID (within ORBIS)
- 😊 patent application number
- 🔴 company name
- 🔴 inventor name
- 🔴 patent title

...



PATSTAT-ORBIS match (cont'd)

- consider exercise 2 in slide 11 of Module 7 (PATSTAT exercises)

Q get the (concatenated) publication number of all granted applications filed in Italy in 2010

- I will retain the first 1,000 when ordered by publication number in alphabetical order

```
SELECT CONCAT(tpp.publn_auth, tpp.publn_nr, tpp.publn_kind)
AS pub_number
FROM tls201_appln ta
JOIN tls211_pat_publn tpp
ON tpp.appln_id = ta.appln_id
WHERE ta.appln_filing_year = 2010
AND ta.appln_auth = 'IT'
AND ta.granted = 'Y'
ORDER BY pub_number
LIMIT 1000;
```



- 1 go to <https://opac.unicatt.it/>
- 2 log in with your unicatt credentials
- 3 search for “orbis” within the [classic catalogue](#)
- 4 select either “ORBIS” or “ORBIS Intellectual Property”

