

3. Data Sources

3.1 - Source Descriptions

3.1.1 FTP Server

Connection details:

- Host = <ftp.meteologica.com>
- Port = 21
- User = `soda_ash`

METEOLÓGICA (FTP server):

CSV files containing data about the forecast energy prices by country - Spain, Italy, Germany, France.

Folders:

- /20160301/Europe/Spain/PowerPrice/Forecast/Meteologica/Total/Hourly
- /20160301/Europe/Spain/PowerPrice/Forecast/ECMWF-ENS/Total/Hourly
- /20160301/Europe/Spain/PowerPrice/Observation/Total/Hourly
- /20160301/Europe/Italy/PowerPrice/Forecast/Meteologica/CNOR/Total/Hourly
- /20160301/Europe/France/PowerPrice/Forecast/Meteologica/Total/Hourly
- /20160301/Europe/Germany/PowerPrice/Forecast/Meteologica/Total/Hourly

Folder structure (Example, /20160301/Europe/France/PowerPrice/Forecast/Meteologica/Total/Hourly for 2023.08.26):

- France_PowerPrice_Forecast_Meteologica_post-ECMWF-ENS_Total_Hourly_202308260000.csv (data from 10 am)
- France_PowerPrice_Forecast_Meteologica_Total_Hourly_202308261333.csv (data from 2 pm)
- France_PowerPrice_Forecast_Meteologica_Total_Hourly_202308261533.csv (data from 4 pm)
- France_PowerPrice_Forecast_Meteologica_post-ECMWF-ENS_Total_Hourly_202308261200.csv (data from 10 pm)

Files with the same date contain the same data, provided 4 times a day.

Structure of the files (example France_PowerPrice_Forecast_Meteologica_post-ECMWF-ENS_Total_Hourly_202308260000.csv):

#	A	B	C	D	E	F
1	France Price forecasts					
2	Forecasts in Europe/Paris Time					
3	Info in EUR/MWh					
4	Forecasted at 2023-08-26 07:46:28 UTC					
5	From yyyy-mm-dd hh:mm	UTC offset from (UTC+/-hhmm)	To yyyy-mm-dd hh:mm	UTC offset to (UTC+/-hhmm)	price	
6	26.8.2023 10:00	UTC+0200	26.8.2023 11:00	UTC+0200		
7	26.8.2023 11:00	UTC+0200	26.8.2023 12:00	UTC+0200		
8	26.8.2023 12:00	UTC+0200	26.8.2023 13:00	UTC+0200		
9	26.8.2023 13:00	UTC+0200	26.8.2023 14:00	UTC+0200		
10	26.8.2023 14:00	UTC+0200	26.8.2023 15:00	UTC+0200		
11	26.8.2023 15:00	UTC+0200	26.8.2023 16:00	UTC+0200		
12	26.8.2023 16:00	UTC+0200	26.8.2023 17:00	UTC+0200		
13	26.8.2023 17:00	UTC+0200	26.8.2023 18:00	UTC+0200		
14	26.8.2023 18:00	UTC+0200	26.8.2023 19:00	UTC+0200		
15	26.8.2023 19:00	UTC+0200	26.8.2023 20:00	UTC+0200		
16	26.8.2023 20:00	UTC+0200	26.8.2023 21:00	UTC+0200		
17	26.8.2023 21:00	UTC+0200	26.8.2023 22:00	UTC+0200		
18	26.8.2023 22:00	UTC+0200	26.8.2023 23:00	UTC+0200		
19	26.8.2023 23:00	UTC+0200	27.8.2023 0:00	UTC+0200		
20	27.8.2023 0:00	UTC+0200	27.8.2023 1:00	UTC+0200		
21	27.8.2023 1:00	UTC+0200	27.8.2023 2:00	UTC+0200		
22	27.8.2023 2:00	UTC+0200	27.8.2023 3:00	UTC+0200		
23	27.8.2023 3:00	UTC+0200	27.8.2023 4:00	UTC+0200		
24	27.8.2023 4:00	UTC+0200	27.8.2023 5:00	UTC+0200		

All four files are consolidated into one file with the additional column `datetime_forecasted`.

The STG/ODS table format is given below (table structures will be provided as a part of the Talend integration documentation):

- 3.1 - Source Descriptions
 - 3.1.1 FTP Server
 - 3.1.2 Database
 - VENDOHM DATABASE:
 - 3.3.3 IRM DATABASE:
 - 3.1.4 Google Sheets

Responsible & contact points:

- Alessandro Mainardi - Project Owner
- Simon Bourguignon - Delivery Manager
- Alba Carrero/ Gaetan Frenoy - Product Owner
- Rui Ferraz - Project Manager

STG_FIL_0000_0000_F001_I_D_france_powerprice_forecast_...	
datetime_from	
ABC utc_offset_from	
datetime_to	
ABC utc_offset_to	
123 price	
datetime_forecasted	
ABC meta_run_id	
ABC meta_md5_hsh	
ABC meta_file_name	
ABC meta_file_path	
ABC meta_execution_id	
ABC meta_bucket_load_date	
meta_business_date	
meta_stg_insert_date	
ABC meta_source_system	

The different format is presented only in the SPAIN_ENS data source where there are 50 ens column with the presented prices, and the top, bottom and average price columns.

3.1.2 Database

Connection details:

- Host = 34.140.71.199
- Port = 5432
- User = talend
- Schema = public
- Database = warehouse_ses_1

VENDOHM DATABASE:

Gas & electricity (weekly, monthly, yearly values by location)

- Tables with prices with the same structure (mapping is provided in the Excel file "List of tables_filters for Vendohm database of Robustify")
[List of tables_filters for Vendohm database of Robustify](#)
- Meteo table curve_n_ometeo_870 (mapping with the definitions and curve IDs provided in the Excel file "Vendohm_meteo_mapping" -**this should be provided as a Metadata table**)
[Vendohm_meteo_mapping](#)

Example of the structure (Vendohm data):

STG_EXT_0000_0000_F001_I_D_curve_n_...	
123 id	
123 raw_curve_id	
saved_date	
published_date	
delivery_date	
123 value	
ABC meta_run_id	
ABC meta_md5_hsh	
ABC meta_file_name	
ABC meta_file_path	
ABC meta_execution_id	
ABC meta_bucket_load_date	
meta_business_date	
meta_stg_insert_date	
ABC meta_source_system	

3.3.3 IRM DATABASE:

Connection details:

- Host = acew1pirmdb01.prod.aws.cloud.solvay.com
- Port = 1530
- User = interface
- Schema = interface
- Database = IRMPROD

Information about energy deals by market, site, product, etc., with prices.

Example of the structure (IRM data):

STG_EXT_0000_0000_F001_F_D_irm_energy_deals
ABC id
ABC commodity
ABC del_type
ABC abbreviation
ABC book
ABC product
ABC folder
🕒 trade_date
🕒 del_begin
🕒 del_end
ABC counterpart
ABC trader
ABC status
123 fixed_price
123 fixed_power
ABC delivery
ABC currency_quantity_unit
ABC grid
ABC pod_market
ABC del_profile
ABC meta_run_id
ABC meta_md5_hsh
ABC meta_file_name
ABC meta_file_path
ABC meta_execution_id
ABC meta_bucket_load_date
🕒 meta_business_date
🕒 meta_stg_insert_date
ABC meta_source_system

3.1.4 Google Sheets

GSHEETS:

- [WAP Solid Fuels](#)
- [CO2](#)
- [Vendohm Forwards](#)
- [Vendohm Spot](#)
- [Energy Deals Hubs](#)
- [Energy Deals Counter Parties](#)
- [Energy Deals Sites Hedges](#)
- [Hedging_soda_ash_table](#) obsolete

Example of the structure:

