

ACER



European Union Agency for the Cooperation
of Energy Regulators

User Manual:

Gas balancing monitoring dashboard

Automated calculation and visualisation of
selected indicators of the ACER gas balancing
analytical framework

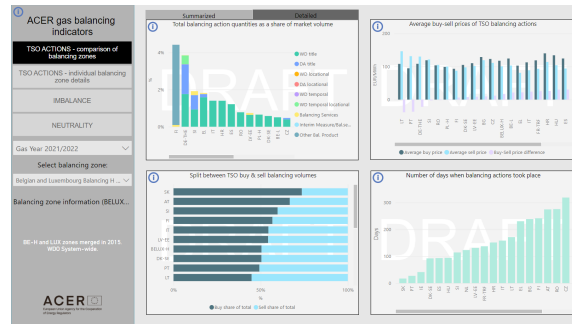
ACER team – Gas Market and Energy Retail

Balancing Analytical Framework

Selected indicators included in the dashboard*

[*ACER Report on the Implementation of the Balancing Network \(Second Edition-Annex II\)](#)

Balancing Framework 1/3: TSO actions



• TSO ACTIONS – comparison of balancing zones

1. Total balancing action quantities as a share of market volume
2. Split between buy & sell balancing volumes
3. Average buy-sell prices of TSO balancing actions
4. Number of days when balancing actions took place



• TSO ACTIONS – individual balancing zone details

1. Volume of TSO balancing transaction
2. TSO transaction volume as a share of market volumes
3. Average price of TSO balancing transaction
4. Number of days with TSO balancing transaction

TSO ACTIONS – comparison of balancing zones

1. Total balancing action quantities as a share of market volume (%):

- ✓ Total quantity of gas purchased or sold via TSO balancing actions disaggregated for all merit order transactions, computed as a share of the market volume.

2. Split between buy & sell balancing volumes (%):

- ✓ Given the TSOs total balancing actions volumes, the indicator splits the buys and sells volumes as a complementary shares of the total.

3. Average buy-sell prices of TSO balancing actions (EUR/MWh):

- ✓ The indicator computes the difference between the average buy and average sell prices of TSO balancing actions.

4. Number of days when balancing action took place (days):

- ✓ The indicator presents the total number of days in which TSOs balancing actions take place during a gas year.

TSO ACTIONS – individual balancing zone details

1. Volume of TSO balancing transactions (MWh):

- ✓ Summarized and detailed view of the volumes of TSO balancing action, divided between buy and sell.

2. TSO transaction volumes as a share of market volumes (MWh):

- ✓ The indicator provides the split between buy and sell transaction volumes as a share of market volumes.

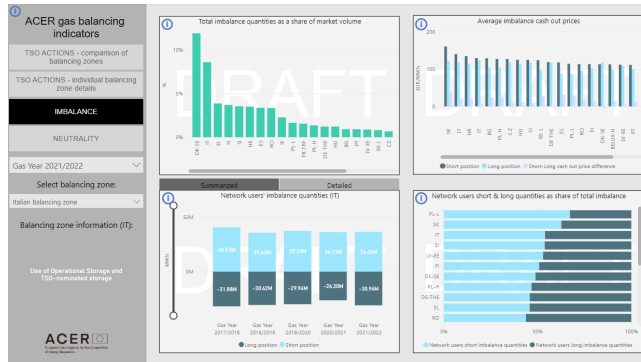
3. Average price of TSO balancing transaction (EUR/MWh):

- ✓ Summarized and detailed view of the prices of TSO balancing action, divided between buy and sell.

4. Number of days with TSO balancing transactions (days):

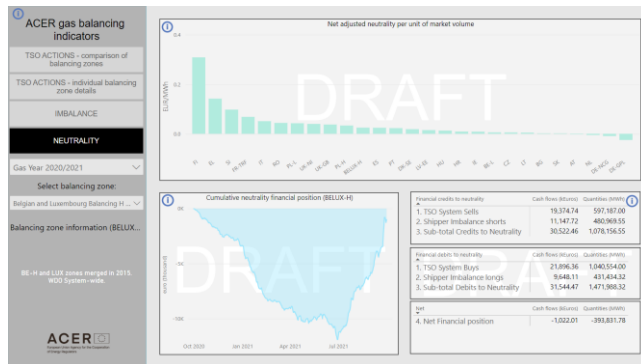
- ✓ The indicator presents the total number of days in which TSOs balancing actions take place during a gas year. Disaggregation between only buy, only sell, and both buy & sell.

Balancing Framework 2/3 and 3/3: Imbalance and neutrality



• IMBALANCE

1. Total imbalance quantities as a share of market volume
2. Network users' imbalance quantities
3. Average imbalance cash-out prices
4. Network users' short and long quantities as a share of total imbalance



• NEUTRALITY

1. Net adjusted neutrality per unit of market volume
2. Cumulative neutrality financial position
3. Cash Flow-Quantities to Neutrality
 - Financial credits to neutrality
 - Financial debits to neutrality
 - Net Financial position

1. Total imbalance quantities as a share of market volume (%):

- ✓ The indicator presents the sum of total quantities of network users' imbalance long and short positions as a share of market volume.

2. Network users' imbalance quantities (MWh):

- ✓ Summarized and detailed view of the volumes of network users' imbalance quantities, divided between long and short positions.

3. Average imbalance cash out prices (EUR/MWh):

- ✓ The indicator describes the average Network Users' imbalance cash out short and long positions prices, computing the difference between the short-long cash out average prices.

4. Network users' short and long quantities as a share of total imbalance (%):

- ✓ Given the network users' total imbalance cash out quantities, the indicator describes the buys volumes as a share of the total.

1. Net adjusted neutrality per unit of market volume (EUR/MWh)

- ✓ It indicates how much overall the balancing activity impacts on gas prices.

2. Cumulative neutrality financial position (thousand Euro)

- ✓ It indicates the daily cumulative neutrality position over the analysis period generated by the TSO and the network users' balancing activity.

3. Financial credits to neutrality

- ✓ Describes the TSO/system sells and network users' imbalance short positions, cash flows and quantities, computing the sub-totals.

4. Financial debits to neutrality

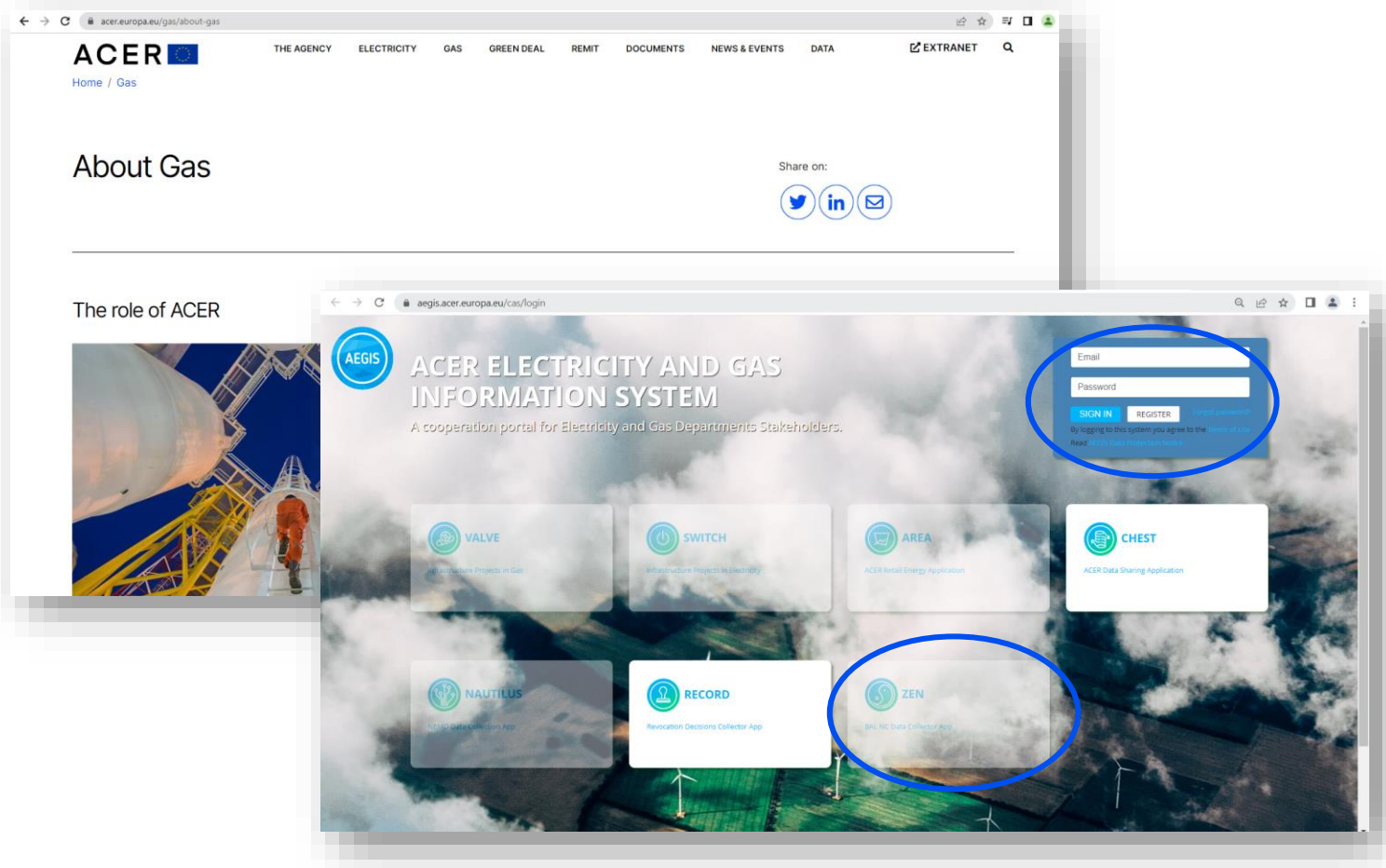
- ✓ Describes the TSO/system buys and network users' imbalance long positions, cash flows and quantities, computing the sub-totals.

5. Net Financial position

- ✓ Represents the net sum of cash flows and quantities given by financial credits to neutrality and financial debits to neutrality.

Inside the dashboard

How to access the dashboard

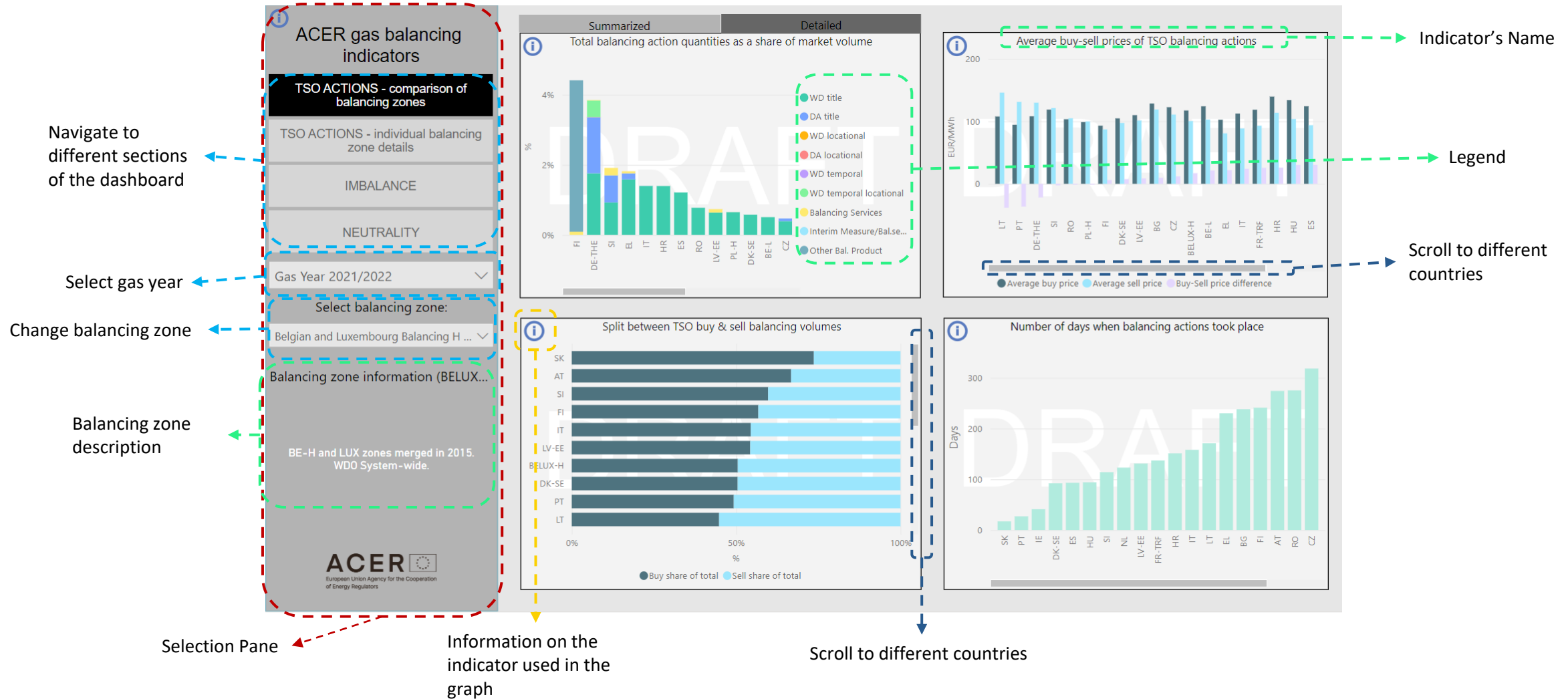


- **ACER webpage:**
<https://www.acer.europa.eu/media/charts/acer-gas-balancing-dashboard>

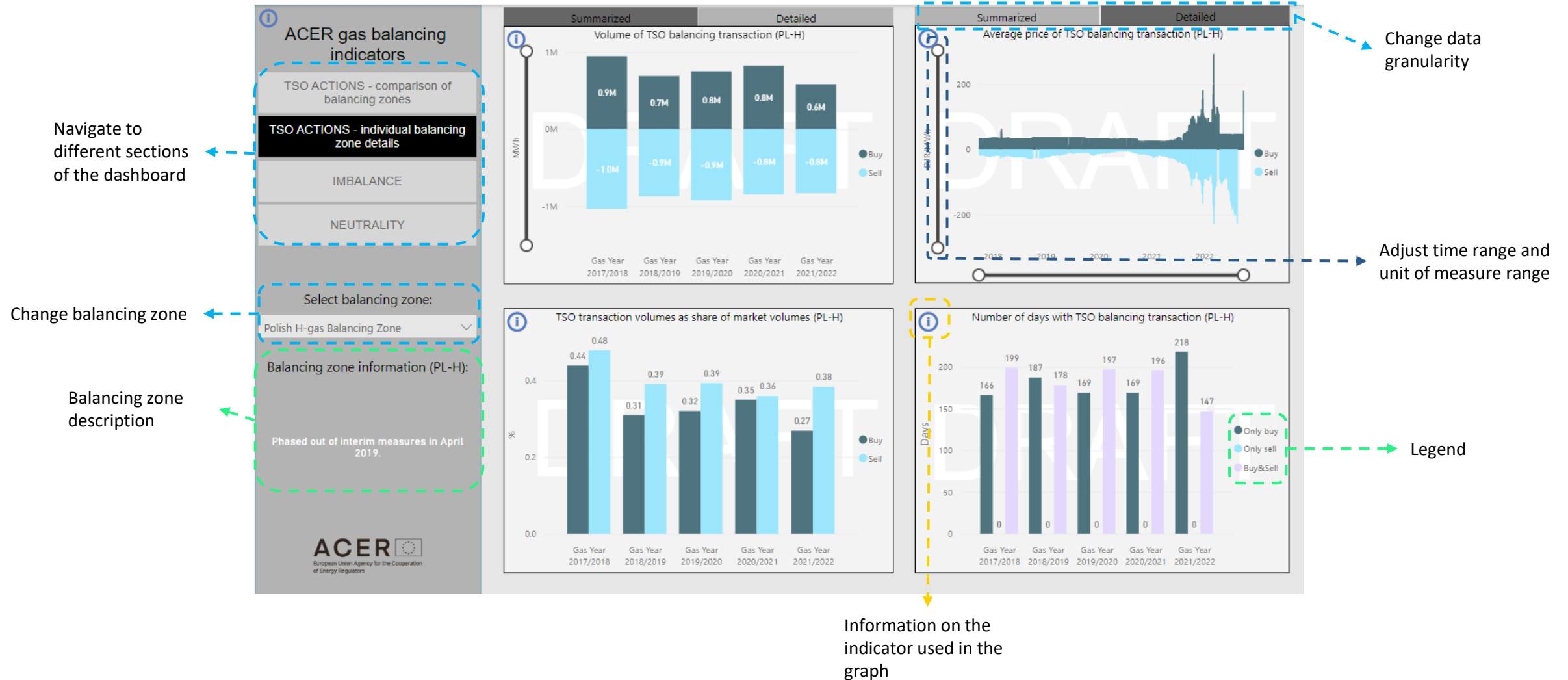
or

- **AEGIS webpage:**
<https://aegis.acer.europa.eu/cas/login>

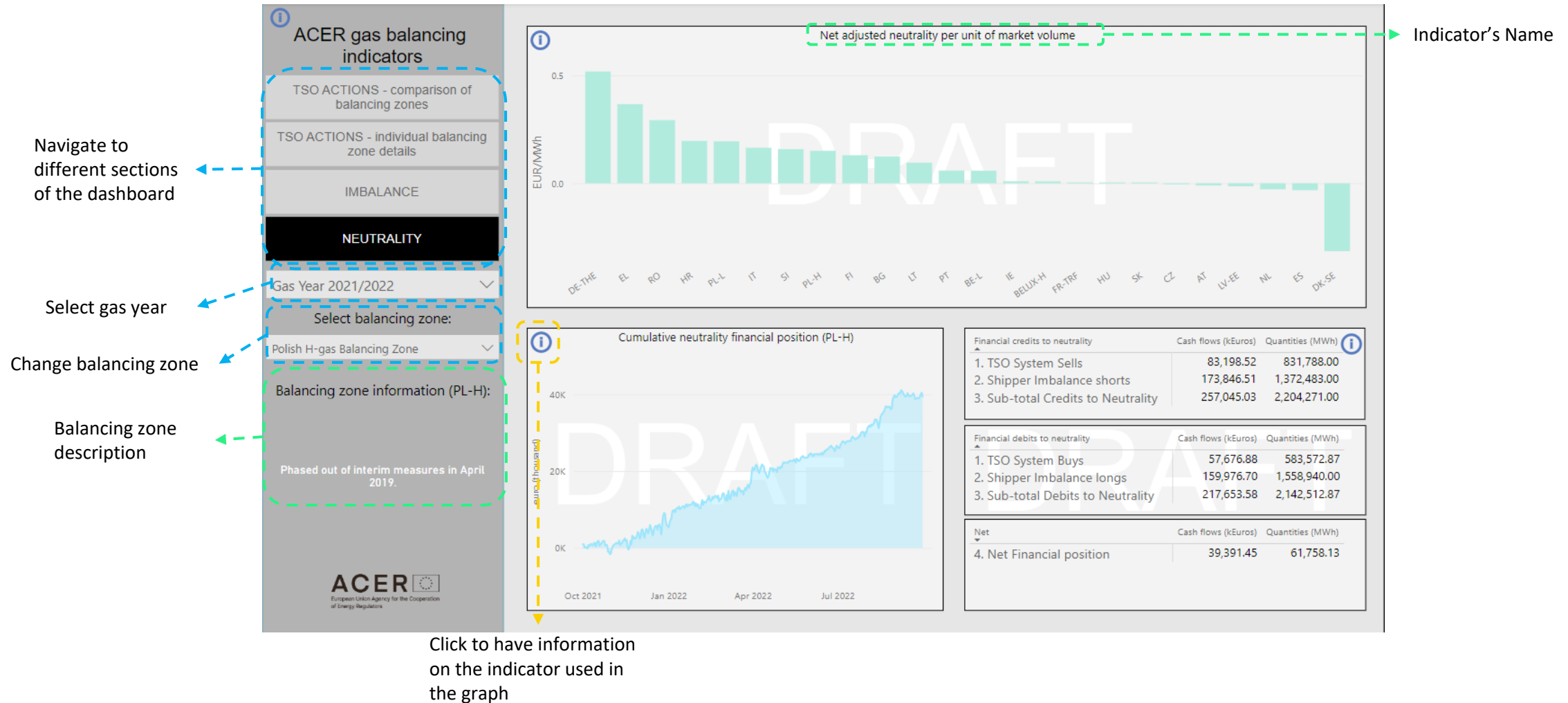
TSO ACTIONS – comparison of balancing zones



TSO ACTIONS – individual balancing zone details







Thank you.

The contents of this document do not necessarily reflect the position or opinion of the Agency.



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