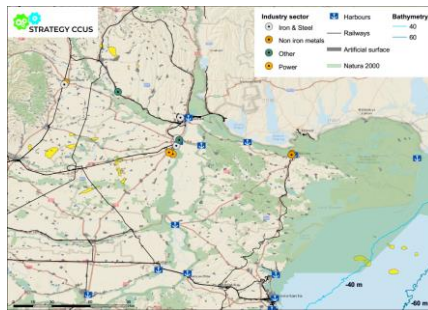
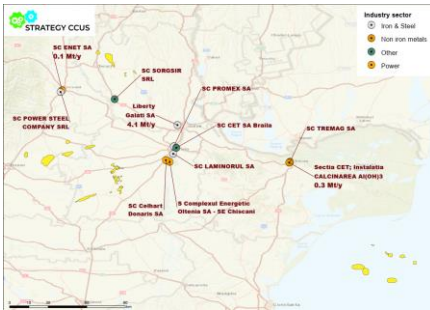




Galati Region (Romania)

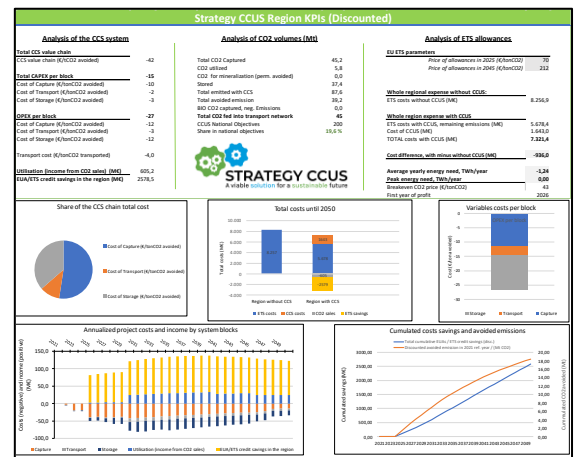
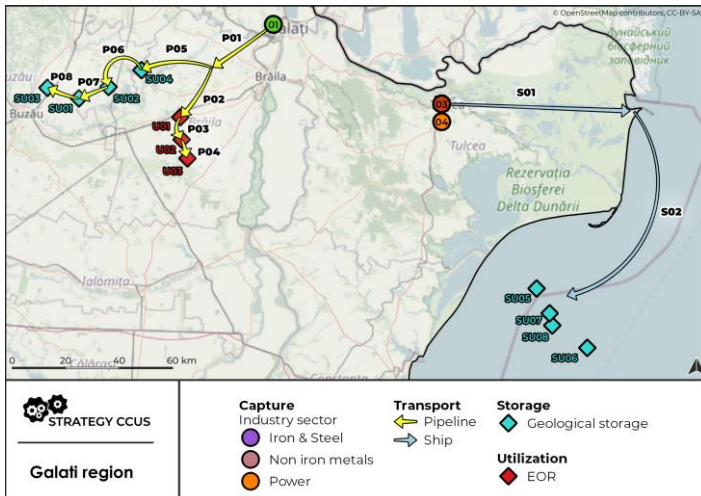


Total emissions 4.56 Mt (2019)
Liberty Steel – **4.19 Mt** in 2019
(90% total emissions per region),
carbon neutral until 2030
Many sources closed

Transport options for the region
Hydrocarbon pipeline corridors
Harbours (on the Danube and on the Black Sea coast)
Railway, roads

Storage: depleted hydrocarbon fields and offshore deep saline aquifers
Utilisation: CO₂-EOR
Total storage capacity considered: 61.73 Mt

Galati Region main scenario (long-term)



Assumption: New gas-fired power plant built on the platform of Liberty Steel in collaboration with Romgaz SA
Capture: new plant only for CCGT Romgaz, add-on capture for the other sources
Storage: 1 new well drilled for injection for each of the storage sites; 1 monitoring well for each storage site (re-used)

Duration: 2025 - 2050
2 sub-clusters: Galați and Tulcea
Capture: 4 emitters considered
Transport modes: onshore pipelines for Galați sub-cluster; onshore pipelines and ship transport for Tulcea sub-cluster
Storage: all gas fields opened as the previous emptied
Utilization: all oil fields for CO₂-EOR

Conclusions

- There is good potential for CCUS in Galati region, using both onshore and offshore transport and storage and including utilisation of inland waterways
- Using the STRATEGY CCUS tool, we have achieved a first economic evaluation for implementation of CCUS in the region, based on public data. Limited access to real data lead to a underestimation of costs. More real data is needed to make an accurate evaluation.