



User Manual

KosovoElectricityProduction.app

Prishtinë, August 2022

Introduction

KosovoElectricityProduction.app is a software application which is offered on two platforms: Web and Mobile.

This application presents data on the production of electricity in Kosovo from various sources, as well as the import of electricity used for consumption in Kosovo.

The data reflected in this application are obtained directly from Transmission, System and Market Operator of the Republic of Kosovo - KOSTT and Electricity Distribution Services in Kosovo - KEDS on a daily basis. The connection of this application with the data of KOSTT and KEDS is automated, which means that the data reflects the situation reported by KOSTT and KEDS.

Home

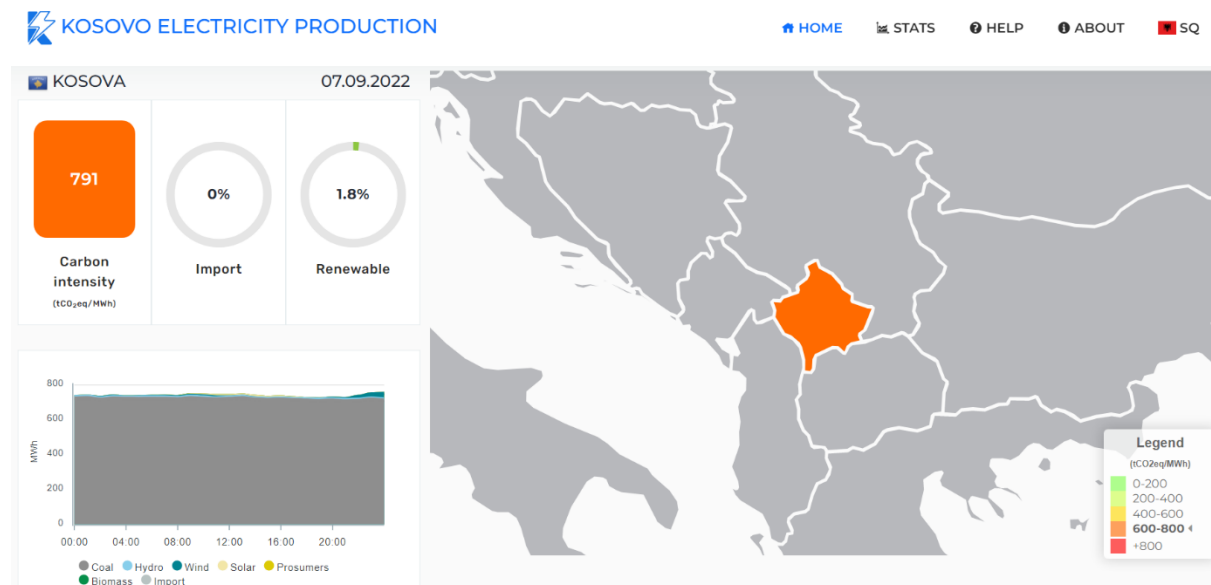
The homepage is the initial part of the application which appears after the application accesses the access link.

All types of users have access to this interface and there is no need for authentication.

On the left are the statistics related to electricity production on the last day of data reporting.

While on the right is the map and legend.

The color of the map of Kosovo varies depending on the intensity of carbon emissions.

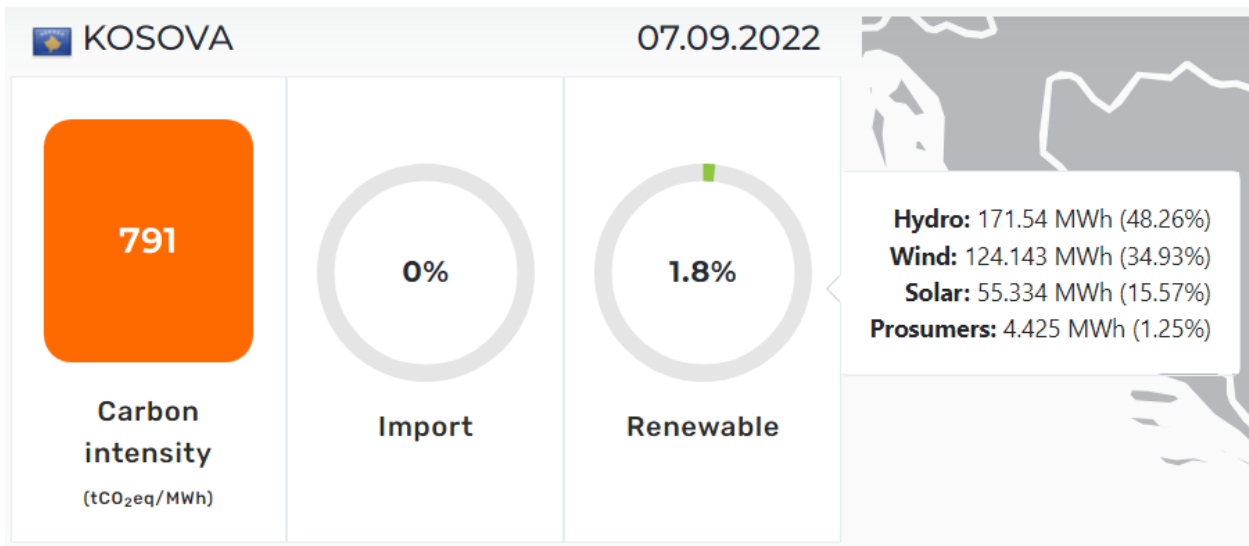


The icon titled "*Carbon Intensity*" presents the report of carbon emissions in relation to the production of electricity in Kosovo from coal.

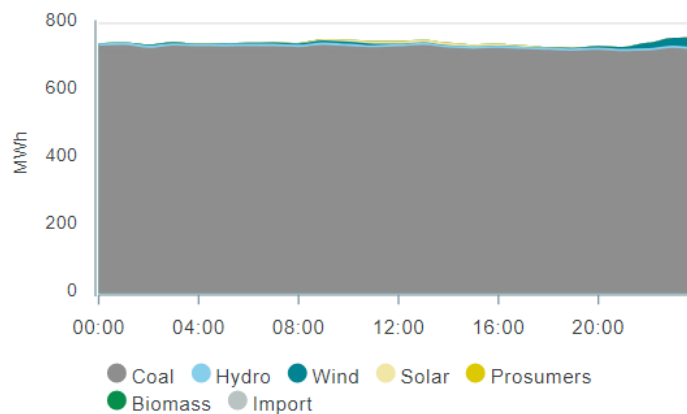
Icon *Import* - represents the amount of electricity imported.

Icon *Renewable* - represents the total amount of electricity produced by renewable sources. Clicking on this icon shows detailed data on renewable electricity produced (see below).

KOSOVO ELECTRICITY PRODUCTION

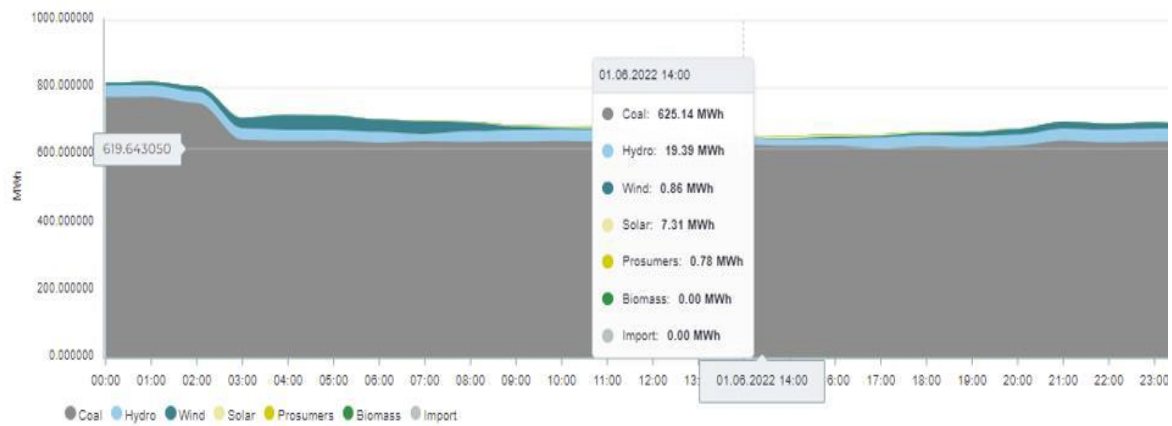


Below are details relating to the source of electricity production. All data are presented in MWh.

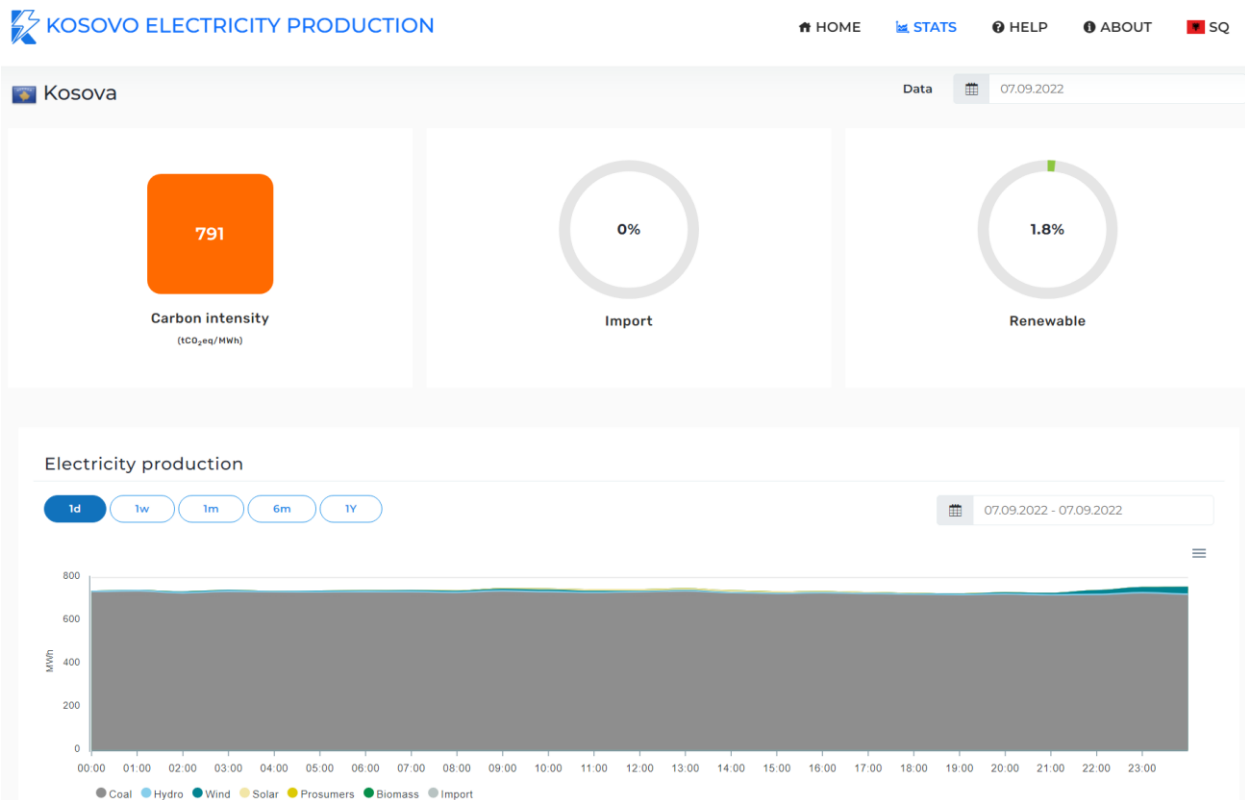



[More data...](#)

The presentation of electricity generation data at a certain hour is enabled by moving the cursor through the graph as shown in the following figure.



After clicking the "More data ..." button, another window opens that allows you to view and filter data in more detail.



The  buttons can be used to filter data at certain time periods such as: day, week, month, 6 months, or year.

While with the date button, filtering time periods can be set as needed.

two dates must be selected, the start date and the end date.

The buttons in the figure below enable the display of data only, according to source of electricity production.

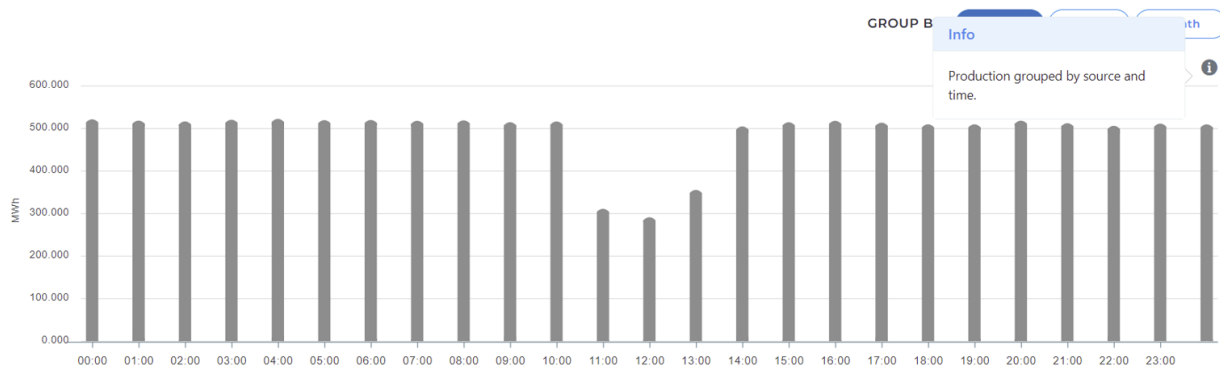
Coal Hydro Wind Solar Prosumers Biomass Import

While the following buttons enable the presentation of data grouped in several time periods such as hours, days, or months.

GROUP BY Hours Days Month

The following figure presents the data for a given day filtered for coal only and grouped by hours.

Coal Hydro Wind Solar Prosumers Biomass Import



Glossary

Prosumator (Producing Consumer) - is the consumer of electricity who at the same time and in the same location is the owner of the micro-generator of Renewable Energy Sources, connected to the network and with the right of self-consumption of electricity generated, and sending the surplus electricity generated to the supplier.

MWh - One megawatt hour (MWh) is equal to 1,000 kilowatts of electricity produced per hour and is used to measure electricity production.

tCO₂eq - The carbon dioxide equivalence (expressed per ton equivalent of CO₂, tCO₂eq), is the quantity of CO₂ that would have the same global warming potential (GWP) when measured on a scale of set time.

Note: In the platform it is implemented a security certificate SSL. SSL - Secure Sockets Layer is a standard security technology for establishing an encrypted link between a server and a client and doesn't allow external interferences.