WHAT IS CLAIMED IS:

1. A computer-implemented method for creation, management and transaction of greenhouse gases and environmental rights, the method comprising:

hosting, on a processing server, a listing of one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits;

receiving, by the processing server, metrics on the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits;

verifying, on the processing server, that the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits comply with one or more conditions for development and potential entitlement to greenhouse gases and environmental rights credits based on at least the received metrics.;

training, by the processing server, a machine learning algorithm and/or a neural network for determining an amount of one or more greenhouse gases being taken out of the atmosphere by a piece of land, the training of the machine learning algorithm and/or a neural network including:

inputting, by the processing server, one or more datasets into the machine learning algorithm and/or a neural network, the one or more datasets including a known amount of one or more greenhouse gases taken out of the atmosphere by one or more pieces of land;

generating, by the processing server, a trained machine learning

algorithm and/or a neural network for determining an amount of one or more greenhouse gases being taken out of the atmosphere by a piece of land;

inputting, by the processing server, the metrics of the one or more parcels of land into the trained machine learning algorithm and/or a neural network;

receiving, by the processing server, an output from the trained machine learning algorithm and/or a neural network, the output including an amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land; and

generating, by the processing server, a report of the one or more parcels of land, the report including the amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land.

2. The computer-implemented method according to claim 1, wherein the receiving the metrics of the one or more parcels of land further comprises:

receiving, by the processing server, the metrics of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits from an imaging system, the imaging system receiving images from one or more of a photo sensor, a satellite, an airplane, a drone, a balloon, a boat, a submarine, and/or a land vehicle.

3. The computer-implemented method according to claim 1, further comprising:

training, by the processing server, a second machine learning algorithm

and/or a neural network for analyzing the metrics of the one or more parcels of land, the training of the second machine learning algorithm and/or a neural network including:

inputting, by the processing server, one or more second datasets into the second machine learning algorithm and/or a neural network, the one or more second datasets including one or more pieces of land and data associated with each of the one or more pieces of land, the data associated with each of the one or more pieces of land including at least one of land usage, land topography, vegetation, and climate;

generating, by the processing server, a second trained machine learning algorithm and/or a neural network for analyzing the metrics of the one or more parcels of land;

inputting, by the processing server, the metrics of the one or more parcels of land into the second trained machine learning algorithm and/or a neural network;

receiving, by the processing server, an output from the second trained machine learning algorithm and/or a neural network, the output including at least one of land usage, land topography, vegetation, and climate of the one or more parcels of land; and

generating, by the processing server, a report of the one or more parcels of land, the report including at least one of the land usage, land topography, vegetation, and climate of the one or more parcels of land.

4. The computer-implemented method according to claim 1, further comprising:

training, by the processing server, a third machine learning algorithm and/or a neural network for determining a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land, the training of the third machine learning algorithm and/or a neural network including:

inputting, by the processing server, one or more third datasets into the third machine learning algorithm and/or a neural network, the one or more third datasets including data for one or more pieces of land, environmental rights credits developed from the one or more pieces of land, and the market value, of the developed environmental rights credits;

generating, by the processing server, a third trained machine learning algorithm and/or a neural network for determining a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land;

inputting, by the processing server, the metrics of the one or more parcels of land into the third trained machine learning algorithm and/or a neural network;

receiving, by the processing server, an output from the third trained machine learning algorithm and/or a neural network, the output including a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land; and

generating, by the processing server, a report of the one or more parcels of land, the report including the valuation of the contractual rights to develop greenhouse

gases and environmental rights associated with each of the one or more parcels of land.

5. The computer-implemented method according to claim 4, wherein the valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land is one of a monetary value of the contractual rights for each of the one or more parcels of land, or an estimated total of greenhouse gases and environmental rights credits likely to be developed for each of the one or more parcels of land.

6. The computer-implemented method according to claim 1, further comprising:

recording, on a blockchain associated with the processing server, the metrics of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits.

7. The computer-implemented method according to claim 1, further comprising:

registering, on the processing server, a plurality of market participants, the plurality of market participants participating in one or more of a sale, a purchase, or a third-party activity in a development of greenhouse gases and environmental rights credits of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits being hosted by the processing server; and

granting, by the processing server, one or more of the plurality of market participants access to data on a portal for the sale, the purchase, or the third-party activity in the development of the greenhouse gases and environmental rights credits for the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits.

8. The computer-implemented method according to claim 1, further comprises:

presenting, by the processing server, the listing of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits via graphical user interface (GUI), the GUI enabling one or more market participants to participate in one or more of a sale, a purchase, or a third-party activity in a development of the greenhouse gases and environmental rights credits of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits being hosted by the processing server.

9. The computer-implemented method according to claim 1, wherein the hosting a listing of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits includes:

receiving, by the processing server, a request to list a parcel of land of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits; and

the computer-implemented method further comprises:

in response to the verifying that the parcel of land of the one or more parcels of land complies with the one or more conditions for development and potential entitlement to greenhouse gases and environmental rights credits based on at least the received metrics, executing, by the processing server using a smart contract, a transfer of the contractual rights to develop greenhouse gases and environmental rights credits for the parcel of land of the one or more parcels of land from a seller to an intermediary entity.

10. A system for creation, management and transaction of greenhouse gases and environmental rights, the system comprising:

a processing server configured to:

host a listing of one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits;

receive metrics on the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits;

verify that the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits comply with one or more conditions for development and potential entitlement to greenhouse gases and environmental rights credits based on at least the received metrics;

train a machine learning algorithm and/or a neural network for determining an amount of one or more greenhouse gases being taken out of the atmosphere by a piece of land, the training of the machine learning algorithm and/or a

neural network including:

inputting one or more datasets into the machine learning algorithm and/or a neural network, the one or more datasets including a known amount of one or more greenhouse gases taken out of the atmosphere by one or more pieces of land;

generating a trained machine learning algorithm and/or a neural network for determining an amount of one or more greenhouse gases being taken out of the atmosphere by a piece of land;

input the metrics of the one or more parcels of land into the trained machine learning algorithm and/or a neural network;

receive an output from the trained machine learning algorithm and/or a neural network, the output including an amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land; and

generate a report of the one or more parcels of land, the report including the amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land.

11. The system according to claim 10, wherein the processing server is further configured to:

receive the metrics of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits from an imaging system, the imaging system receiving images from one or more of a photo sensor, a satellite, an airplane, a drone, a balloon, a boat, a submarine, and/or a land vehicle.

12. The system according to claim 10, wherein the processing server is further configured to:

train a second machine learning algorithm and/or a neural network for analyzing the metrics of the one or more parcels of land, the training of the second machine learning algorithm and/or a neural network including:

inputting one or more second datasets into the second machine learning algorithm and/or a neural network, the one or more second datasets including one or more pieces of land and data associated with each of the one or more pieces of land, the data associated with each of the one or more pieces of land including at least one of land usage, land topography, vegetation, and climate;

generating a second trained machine learning algorithm and/or a neural network for analyzing the metrics of the one or more parcels of land;

input the metrics of the one or more parcels of land into the trained second machine learning algorithm and/or a neural network;

receive an output from the trained second machine learning algorithm and/or a neural network, the output including at least one of land usage, land topography, vegetation, and climate of the one or more parcels of land; and

generate a report of the one or more parcels of land, the report including at least one of the land usage, land topography, vegetation, and climate of the one or more parcels of land.

13. The system according to claim 10, wherein the processing server is further configured to:

train a third machine learning algorithm and/or a neural network for determining a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land, the training of the third machine learning algorithm and/or a neural network including:

inputting one or more third datasets into the third machine learning algorithm and/or a neural network, the one or more datasets including data for one or more pieces of land, environmental rights credits developed from the one or more pieces of land, and the market value, of the developed environmental rights credits;

generating a third trained machine learning algorithm and/or a neural network for determining a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land;

input the metrics of the one or more parcels of land into the third trained machine learning algorithm and/or a neural network;

receive an output from the third trained machine learning algorithm and/or a neural network, the output including a valuation of the contractual rights to develop greenhouse gases and environmental rights associated with each of the one or more parcels of land; and

generate a report of the one or more parcels of land, the report including the valuation of the contractual rights to develop greenhouse gases and environmental

rights associated with each of the one or more parcels of land.

14. The system according to claim 13, wherein the valuation of the contractual rights to develop greenhouse gases and environmental rights credits associated with each of the one or more parcels of land is one of a monetary value of the contractual rights for each of the one or more parcels of land, or an estimated total of greenhouse gases and environmental rights credits likely to be developed for each of the one or more parcels of land.

15. The system according to claim 10, wherein the processing server is further configured to:

recording, on a blockchain associated with the processing server, the metrics of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits.

16. The system according to claim 10, wherein the processing server is further configured to:

register a plurality of market participants, the plurality of market participants participating in one or more of a sale, a purchase, or a third-party activity in a development of greenhouse gases and environmental rights credits of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits being hosted by the processing server; and

grant one or more of the plurality of market participants access to data on a portal for the sale, the purchase, or the third-party activity in the development of the greenhouse gases and environmental rights credits for the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights t credits.

17. The system according to claim 10, wherein the processing server is further configured to:

present the listing of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits via graphical user interface (GUI), the GUI enabling one or more market participants to participate in one or more of a sale, a purchase, or a third-party activity in a development of the greenhouse gases and environmental rights credits of the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits being hosted by the processing server.

18. The system according to claim 10, wherein the wherein the hosting a listing of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits includes:

receiving a request to list a parcel of land of the one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits; and

the processing server is further configured to:

in response to the verifying that the parcel of land of the one or more parcels of land complies with the one or more conditions for development and potential entitlement to greenhouse gases and environmental rights credits based on at least the received metrics, execute, using a smart contract, a transfer of the contractual rights to develop greenhouse gases and environmental rights credits for the parcel of land of the one or more parcels of land from a seller to an intermediary entity.

19. A non-transitory computer readable medium storing computer readable program code that, when executed by a processor, causes the processor to provide an exchange for creation, management and transaction of greenhouse gases and environmental rights, the program code comprising instructions for:

hosting a listing of one or more parcels of land with contractual rights to develop greenhouse gases and environmental rights credits;

receiving metrics on the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits; and

verifying that the one or more parcels of land with the contractual rights to develop greenhouse gases and environmental rights credits comply with one or more conditions for development and potential entitlement to greenhouse gases and environmental rights credits based on at least the received metrics;

training, by the processing server, a machine learning algorithm and/or a neural network for determining an amount of one or more greenhouse gases being

taken out of the atmosphere by a piece of land, the training of the machine learning algorithm and/or a neural network including:

inputting, by the processing server, one or more datasets into the machine learning algorithm and/or a neural network, the one or more datasets including a known amount of one or more greenhouse gases taken out of the atmosphere by one or more pieces of land;

generating, by the processing server, a trained machine learning algorithm and/or a neural network for determining an amount of one or more greenhouse gases being taken out of the atmosphere by a piece of land;

inputting, by the processing server, the metrics of the one or more parcels of land into the trained machine learning algorithm and/or a neural network;

receiving, by the processing server, an output from the trained machine learning algorithm and/or a neural network, the output including an amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land; and

generating, by the processing server, a report of the one or more parcels of land, the report including the amount of one or more greenhouse gases being taken out of the atmosphere by the one or more parcels of land.

20. The non-transitory computer readable medium according to claim 19, wherein the instructions further comprise:

training, by the processing server, a second machine learning algorithm

and/or a neural network for determining an environmental outcome of a piece of land, the training of the second machine learning algorithm and/or a neural network including:

inputting, by the processing server, one or more second datasets into the second machine learning algorithm and/or a neural network, the one or more second datasets including a known environmental outcome of one or more pieces of land;

generating, by the processing server, a second trained machine learning algorithm and/or a neural network for determining an environmental outcome of a piece of land;

inputting, by the processing server, the metrics of the one or more parcels of land into the second trained machine learning algorithm and/or a neural network;

receiving, by the processing server, an output from the second trained machine learning algorithm and/or a neural network, the output including an environmental outcome of the one or more parcels of land; and

generating, by the processing server, a report of the one or more parcels of land, the report including the environmental outcome of the one or more parcels of land.

21. The non-transitory computer readable medium according to claim 20, wherein the environmental outcome is a contractually agreed upon environmental outcome of the one or more parcels of land.

22. The computer-implemented method according to claim 2, wherein training the machine learning algorithm and/or neural network includes training the machine learning algorithm and/or neural network using the metrics captured by the imaging system for the one or more parcels of land.

23. The computer-implemented method according to claim 1, further comprising minting a digital token representing the contractual rights to develop greenhouse gases and environmental rights credits for the one or more parcels of land.