CLAIMS

1. A resource recovery system for recovering discarded articles to be recycled as resources, the resource recovery system comprising:

a plurality of resource recovery apparatuses, each of the plurality of resource recovery apparatuses configured to recover the discarded articles; and

a server apparatus configured to manage the plurality of resource recovery apparatuses, wherein

the server apparatus is further configured to generate suggestion information, based on both a utilization result of each of the plurality of resource recovery apparatuses and a location of each of the plurality of resource recovery apparatuses, the suggestion information including information indicating a suggestion for a location of one or more target resource recovery apparatus, and

each of the one or more target resource recovery apparatus is either a resource recovery apparatus to be newly placed or one of the plurality of resource recovery apparatuses of which location is to be changed.

2. The resource recovery system according to claim 1, wherein

each of the plurality of resource recovery apparatuses is further configured to transmit location information to the server apparatus, the location information indicating the location of the each of the plurality of resource recovery apparatuses.

3. The resource recovery system according to claim 1 or 2, wherein

each of the plurality of resource recovery apparatuses is further configured to transmit measurement information to the server apparatus, the measurement information that the server apparatus is to use to specify the utilization result of the each of the plurality of resource recovery apparatuses.

4. The resource recovery system according to claim 3, wherein

the measurement information is configured to include information indicating an amount of the discarded articles accumulated in the each of the plurality of resource recovery apparatuses or a remaining capacity of the each of the plurality of resource recovery apparatuses for the discarded articles.

5. The resource recovery system according to claim 3 or 4, wherein

each of the of the plurality of resource recover apparatuses is further configured to provide an opening/closing, and

the measurement information is configured to include either information indicating the number of times the opening/closing is opened or information indicating a length of a period the opening/closing is open.

6. The resource recovery system according to claim 3 or 4, wherein

the server apparatus is further configured to

specify, a geographical region based on both the utilization result and the location, the geographical region where an amount of discarded articles per unit time exceeds a predetermined amount, and

generate the suggestion information including information suggesting a location in the geographical region as a location of the target resource recovery apparatus.

7. The resource recovery system according to claim 6, wherein

the server apparatus is further configured to generate the suggestion information including information suggesting changing, to a location inside the geographical region, a location of a resource recovery apparatus outside the geographical region.

8. The resource recovery system according to any one of claims 1 to 7, wherein

the server apparatus is further configured to generate the suggestion information further including information suggesting a storage capacity for storing the discarded articles in the target resource recovery apparatus.

9. The resource recovery system according to any one of claims 1 to 8, wherein

the server apparatus is further configured to generate the suggestion information based on a type of articles recovered by each of the plurality of resource recovery apparatuses, the suggestion information further including information suggesting a sorting type, the sorting type indicating a type of the discarded articles to be recovered by the target resource recovery apparatus.

10. The resource recovery system according to claim 9, wherein

each of the plurality of resource recovery apparatuses is configured to include articles specifier configured to specify the discarded articles, and

the server apparatus is configured to specify, based on a result of the specification by the articles specifier, the type of the discarded articles recovered by each of the plurality of resource recovery apparatuses.

11. The resource recovery system according to any one of claims 1 to 10, wherein

the server apparatus is configured to generate the suggestion information further based on event information related to an event to be held in future.

12. The resource recovery system according to claim 11, wherein

the server apparatus is configured to manage the utilization result in association with an event type,

the event information is configured to include event type information indicating the event type, and

the server apparatus is configured to generate the suggestion information, based on the utilization result corresponding to the event type indicated by the event type information.

13. The resource recovery system according to claim 11 or 12, wherein

the event information is configured to include event-holding area information indicating an event-holding area where the event is to be held, and

the server apparatus is configured to generate the suggestion information, based on the event-holding area information, the suggestion information including information indicating a suggestion for a location, inside the event-holding area,.

14. The resource recovery system according to any one of claims 11 to 13, wherein

the event information is configured to include event-holding period information indicating a future period during which the event is to be held, and

the server apparatus is configured to generate the suggestion information, based on the event-holding period information, the suggestion information including information indicating a suggestion for the location of the target resource recovery apparatus during the future period.

15. The resource recovery system according to claim 14, wherein

the server apparatus is configured to generate the suggestion information further based on weather information on predicted weather during the future period.

16. The resource recovery system according to claim 12 or any one of claims 13 to 15 citing claim 12, wherein

the event information is configured to include participant headcount information indicating the number of participants participating in the event, and

the server apparatus is configured to generate the suggestion information, based on the participant headcount information and/or the event type information, the suggestion information further comprising either placement count information suggesting the number of the target resource recovery apparatus or type information suggesting the type of discarded articles to be recovered by the target resource recovery apparatus.

17. The resource recovery system according to any one of claims 1 to 16, wherein

the server apparatus is further configured to transmit the suggestion information to a communication apparatus belonging to a predetermined business operator, and

the predetermined business operator is either a business operator who locates the target resource recovery apparatus or a business operator who changes the location of the target resource recovery apparatus.

18. A server apparatus used in a resource recovery system for recovering discarded articles to be recycled as resources, the server apparatus comprising:

a communicator configured to communicate with a plurality of resource recovery apparatuses configured to recover the discarded articles; and

a processing unit configured to generate suggestion information, based on both a utilization result of each of the plurality of resource recovery apparatuses and a location of each of the plurality of resource recovery apparatuses, the suggestion information including information indicating a suggestion for the location of one or more target resource recovery apparatus, wherein

each of the one or more target resource recovery apparatuses is either a resource recovery apparatus to be newly located or one of the plurality of resource recovery apparatuses of which location is to be changed.

19. A resource recovery apparatus configured to recover articles with an opening/closing, in a resource recovery system for recovering the articles discarded by a person discarding waste, the resource recovery apparatus comprising:

a measurer configured to generate measurement information for a server apparatus to specify a utilization result of the resource recovery apparatus, the measurement information including at least one of: (i) information indicating a number of

times the opening/closing is opened; and (ii) information indicating a length of a time period when the opening/closing is open;

a positioner configured to generate location information indicating a location of the resource recovery apparatus; and

a communicator configured to transmit, to the server apparatus, the measurement information and the location information in association with each other resource recover apparatus.

20. A method performed by a resource recovery system for recovering discarded articles to be recycled as resources, the method comprising:

communicating with a plurality of resource recovery apparatuses configured to recover discarded articles;

generating suggestion information, based on both a utilization result of each of the plurality of resource recovery apparatuses and a location of each of the plurality of resource recovery apparatuses, the suggestion information including information indicating a suggestion for a location of one or more target resource recovery apparatus, wherein

each of the one or more target resource recovery apparatuses is either a resource recovery apparatus to be newly placed or one of the plurality of resource recovery apparatuses located and of which location is to be changed.