







JICA "Road Maintenance" Training

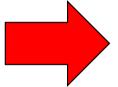
Subject: Recycled Materials

Okinawa Construction Technology Center Recycling Section



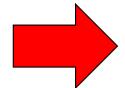


Okinawa Prefecture RecyclingMaterials Evaluation CertificationSystem" (July 2004)



Known as "Yuikuru"

 "Prefectural Governor-Certified Recycling Materials"



"Yuikuru materials"

Number of materials: 473 materials in 14 categories

(Current as of November 1, 2025)



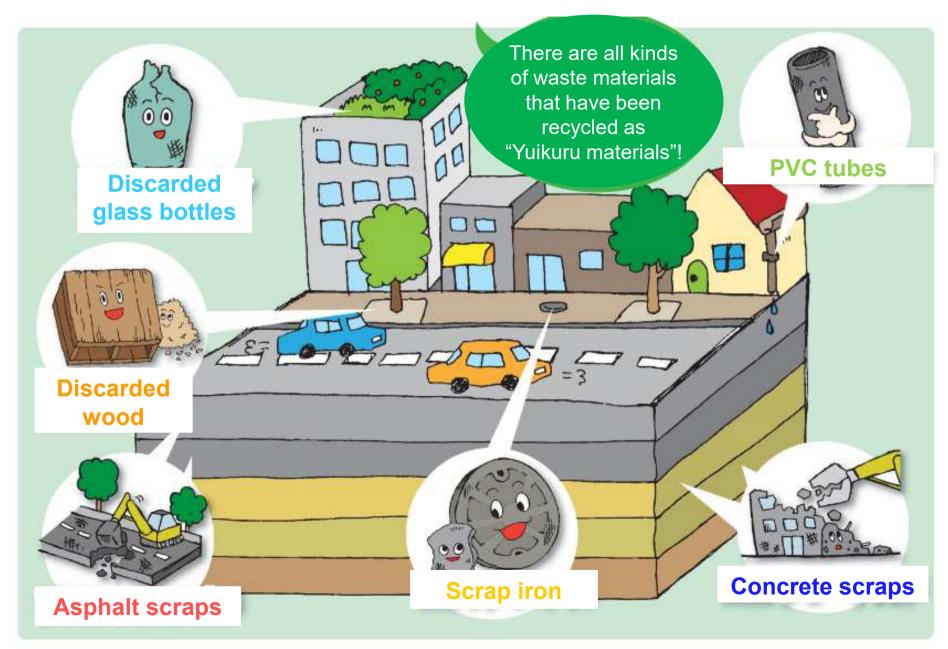
Yuikuru is a coined word derived from "Yuimaru" (Okinawa dialect) and "recycling."



When a material is certified as a "yuikuru" material, the Yuikuru logo mark is allowed to be used for the certified material.



Recycled materials (Yuikuru materials)



Raw material



Demolition construction





Concrete scraps

Product



Roadbed materials Paving work





Recycled roadbed materials



Pipe laying work





Regenerated sand



Raw material

Product







Collecting asphalt lumps from road construction

Reuse on new roads



Raw material









Reinforcing bars (deformed steel bars)





Raw material



Felled trees



Cow dung

Products





Fertilizer



Raw material



Polypropylene (car bumper)

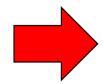






Protective lid base







Donut spacer



Raw material



Discarded glass bottles





Foaming facility







Recycled sand (glass)



Lightweight embankment material

Raw material



Product

Cement

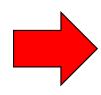
Garbage incineration facility





Incinerated ash





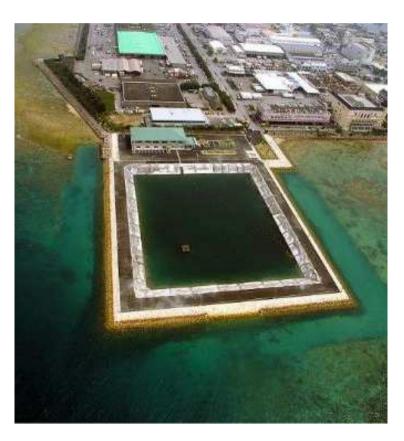


Concrete as secondary product



1 Extending life of waste disposal site

→Final waste disposal site is full







Publicly Involved Disposal Site (Awa District, Nago City)



2 Reduced environmental burden

→Limiting consumption of natural resources





Established in July 2004 The role of Yuikuru

Promoting the use of recycled materials



- 1. Reducing waste generation and extending the life of final disposal sites
- 2. Reducing consumption of natural resources and protecting the environment



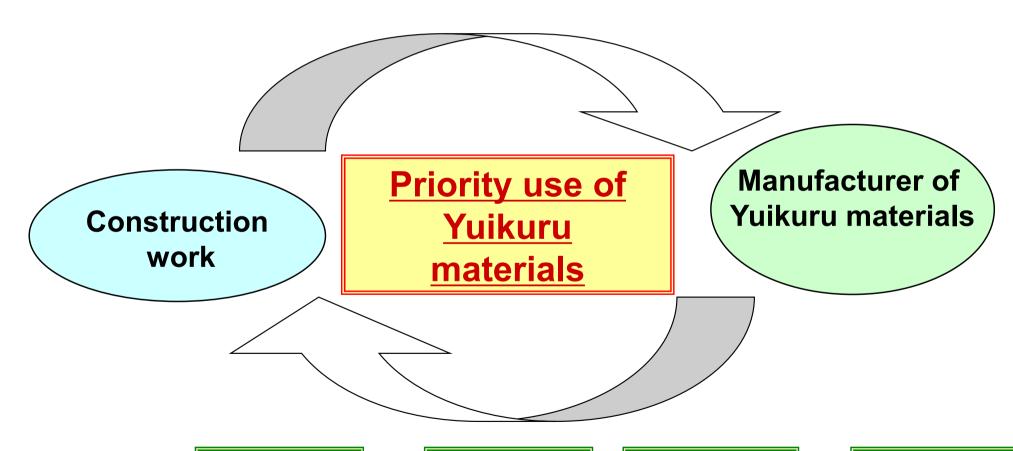
Building a resource-recycling society



Yuikuru System



Construction waste (scrap asphalt, concrete and fell trees, etc.) generated by construction work is carried out certified Yuikuru contractors, etc. (→securing raw materials for Yuikuru materials)



Effect

Reduction in final disposal amount



Extending life of final disposal sites

Reducing consumption of natural resources

Conservation of the natural environment ₁₅



Document inspection



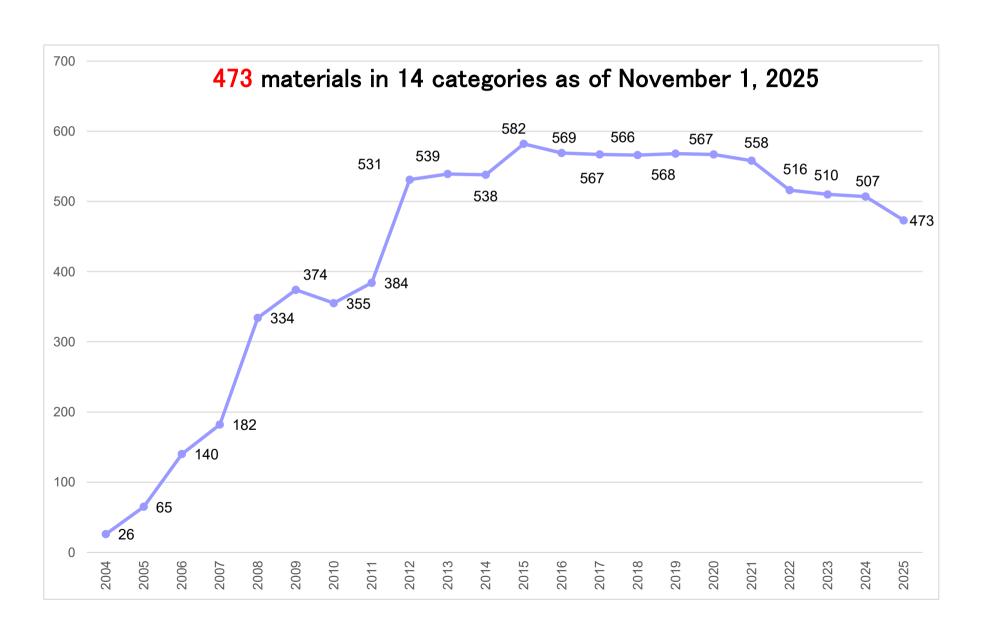
Factory inspection



Evaluation Committee

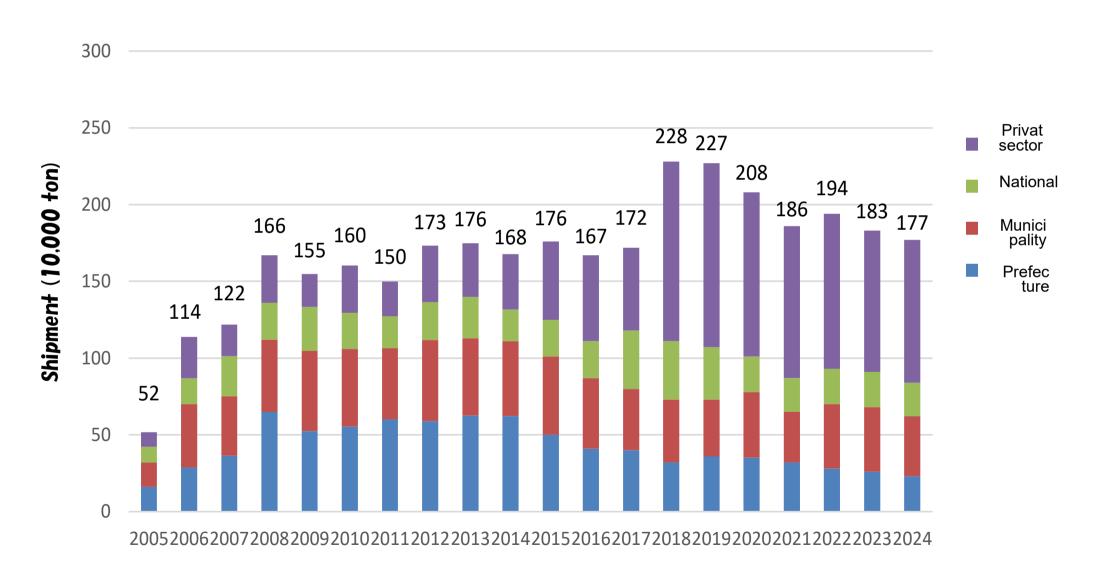


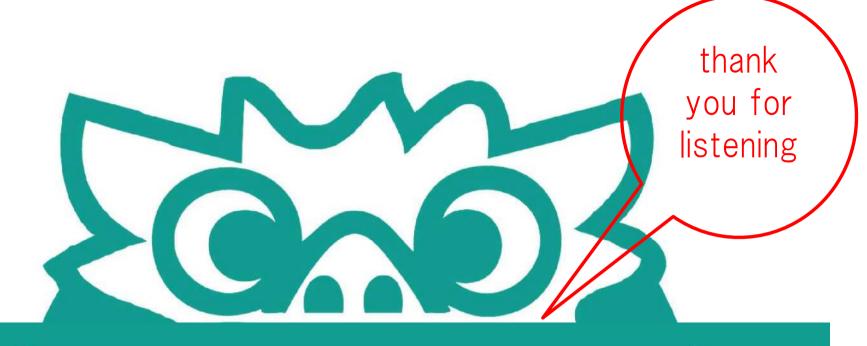
Changes in number of certified Yuikuru materials





Changes in shipment volume of Yuikuru Materials





Okinawa Prefecture Recycled Materials Evaluation Certification System

Yuikurutu







