



# **2015 California Exports of Recyclable Materials**

CalRecycle Public Meeting  
September 20, 2016  
Sher Auditorium  
10:00-1:00

# Presentation Summary

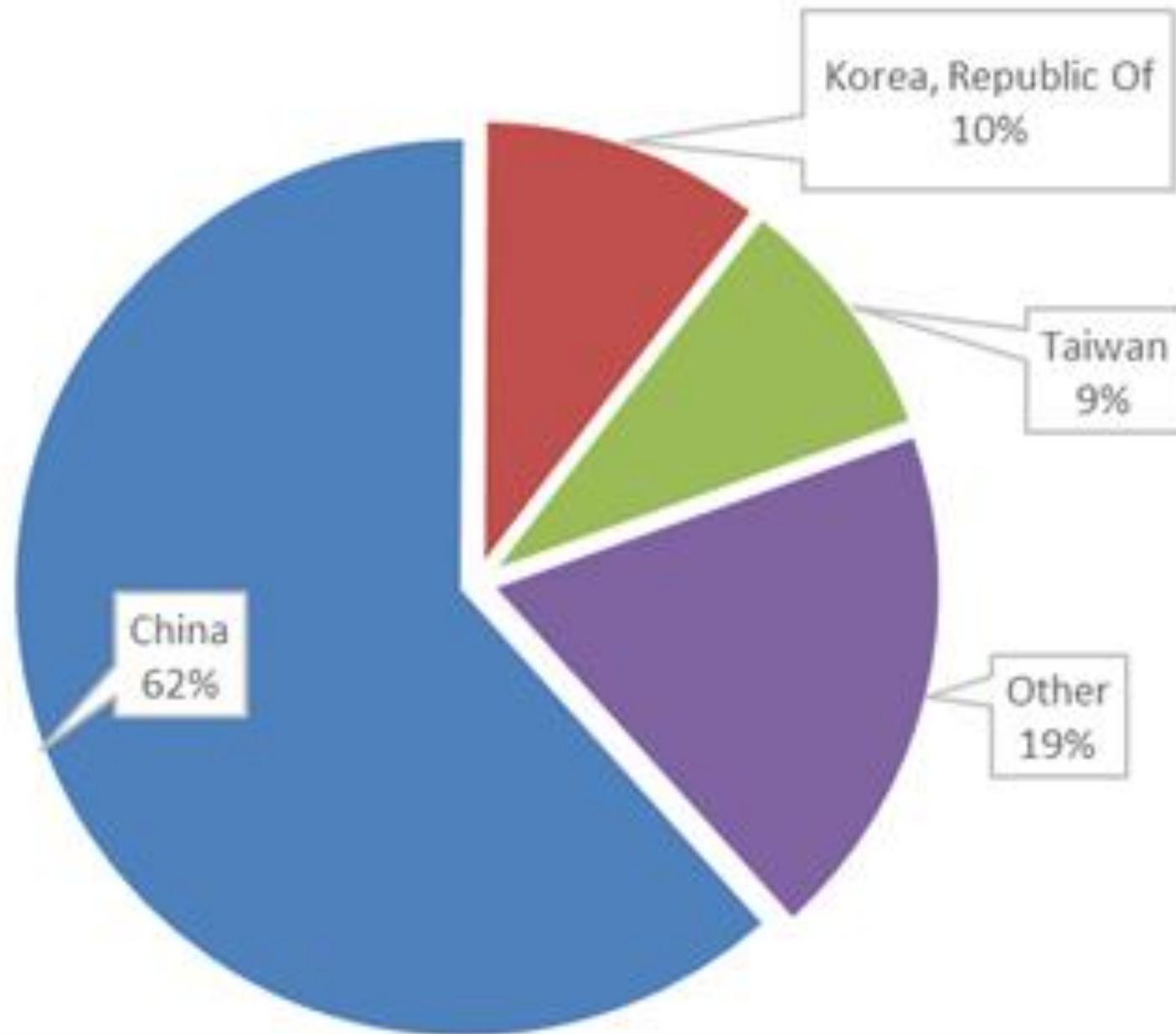
- 2015 overview
- Data sources and limitations
- Individual materials
- Greenhouse gas effect emissions due to vessel shipments of exports in 2015.
- Conclusions
- Questions

# Data Sources and Limitations

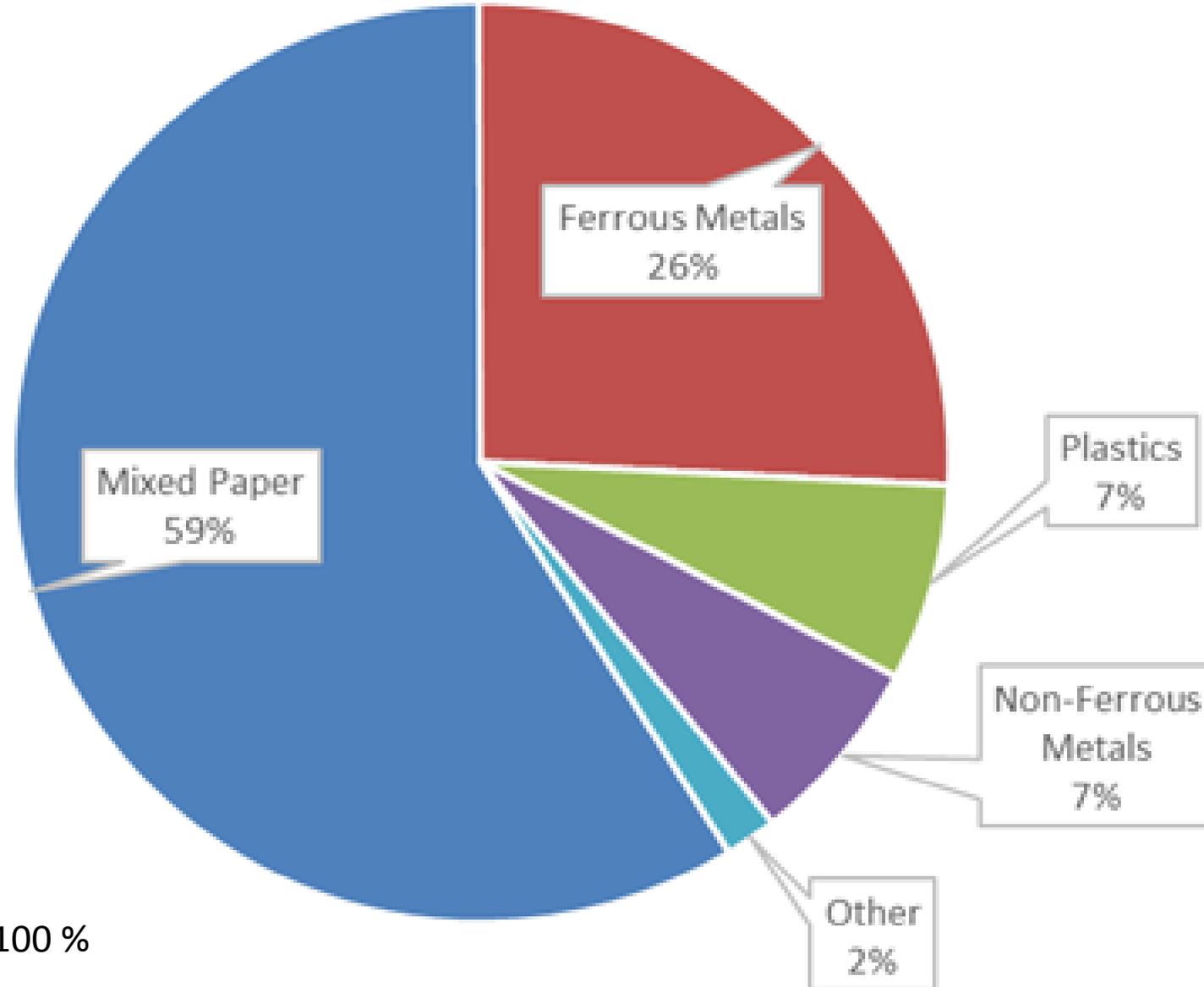
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- Information based on Seaborne exports of recyclable materials from California ports.
- Amounts, values, destinations, and trends
- Data from Wiser LLC. and their WISER Trade database
- Limited information on recyclables shipped by truck and rail.

# CA Recyclable Seaborne Exports by Destination~16.4



# CA Recyclable Seaborne Exports~16.4 Million Tons



Totals may exceed 100 %  
due to rounding.

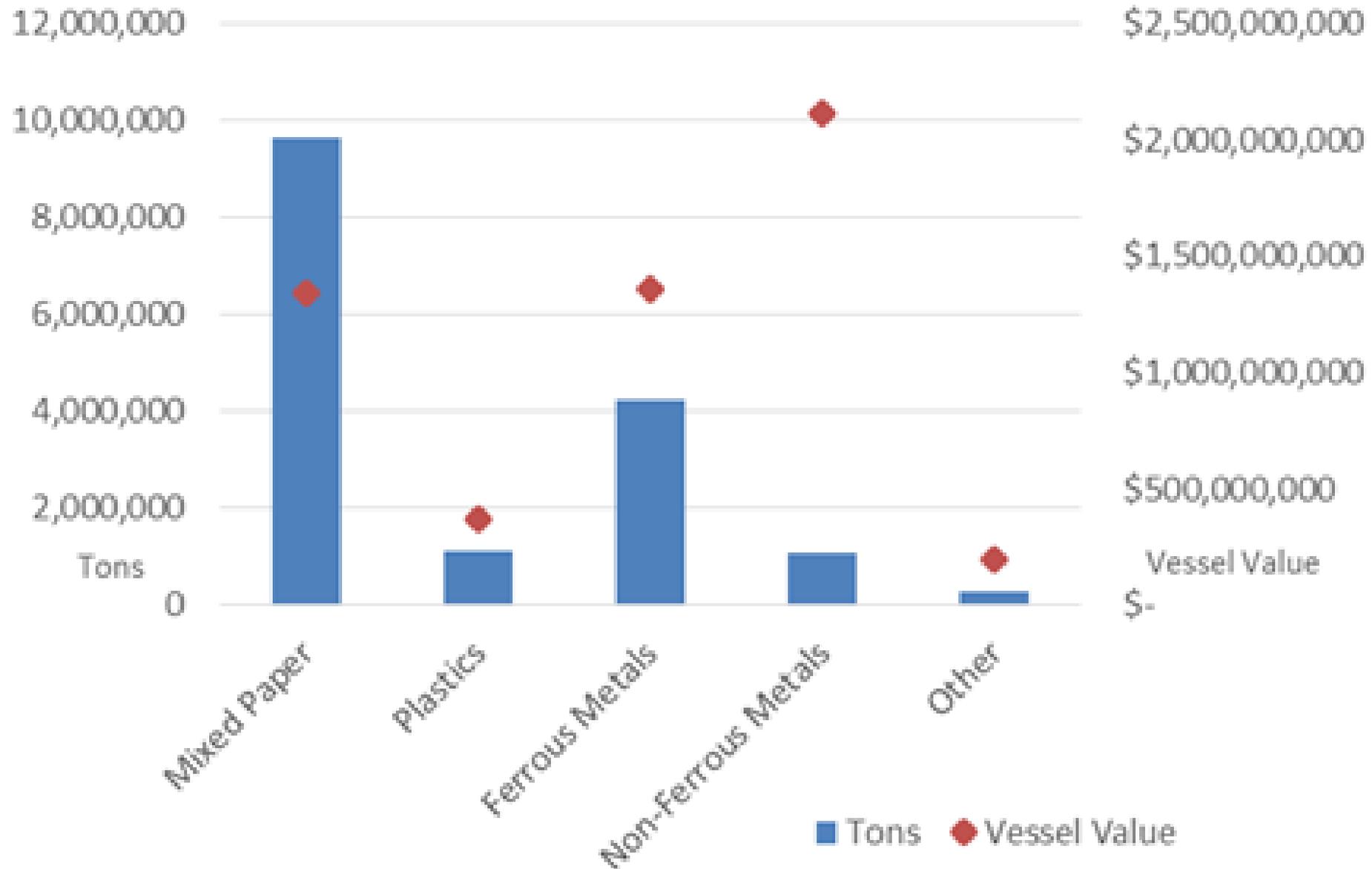
# CA Recyclable Exports by Tons and Destination

Material Type	2015 Tonnages	Top Destination	2 <sup>nd</sup> Destination
Mixed Paper/Cardboard and Paperboard	9.7 million	China	Korea
Plastics	1.2 million	China	Hong Kong
Ferrous Metal	4.2 million	Taiwan	Korea
Non-Ferrous Metal (excluding copper wire)	1.1 million	China	Korea

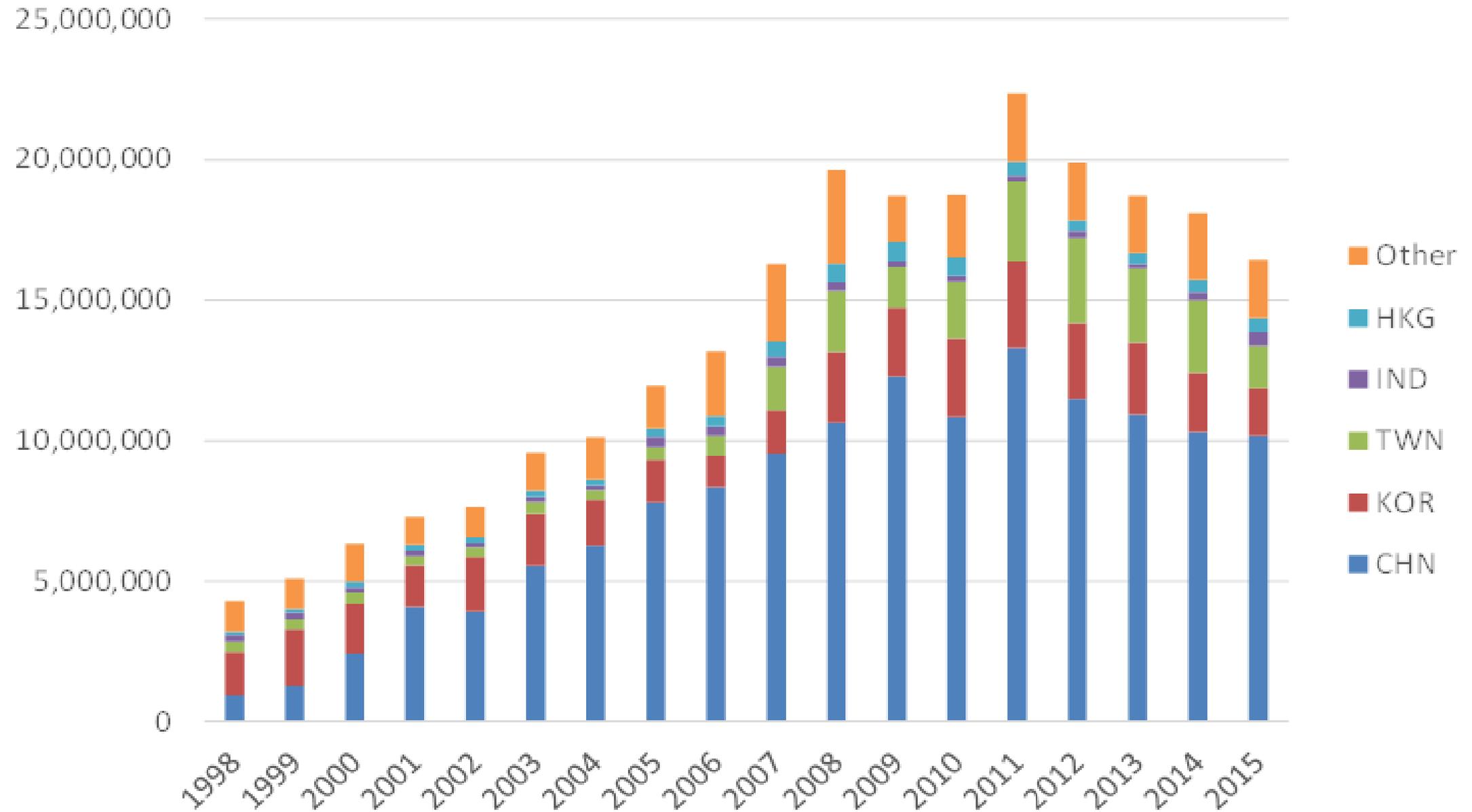
# CA Recyclable Exports Tons Compared to Vessel Value

Material Type	2015 Tonnages	2015 Vessel Value
Mixed Paper/Cardboard and Paperboard	9.7 million	\$1.3 billion
Plastics	1.2 million	\$3.7 million
Ferrous Metal	4.2 million	\$1.4 billion
Non-Ferrous Metal (excluding copper wire)	1.1 million	\$2.1 billion

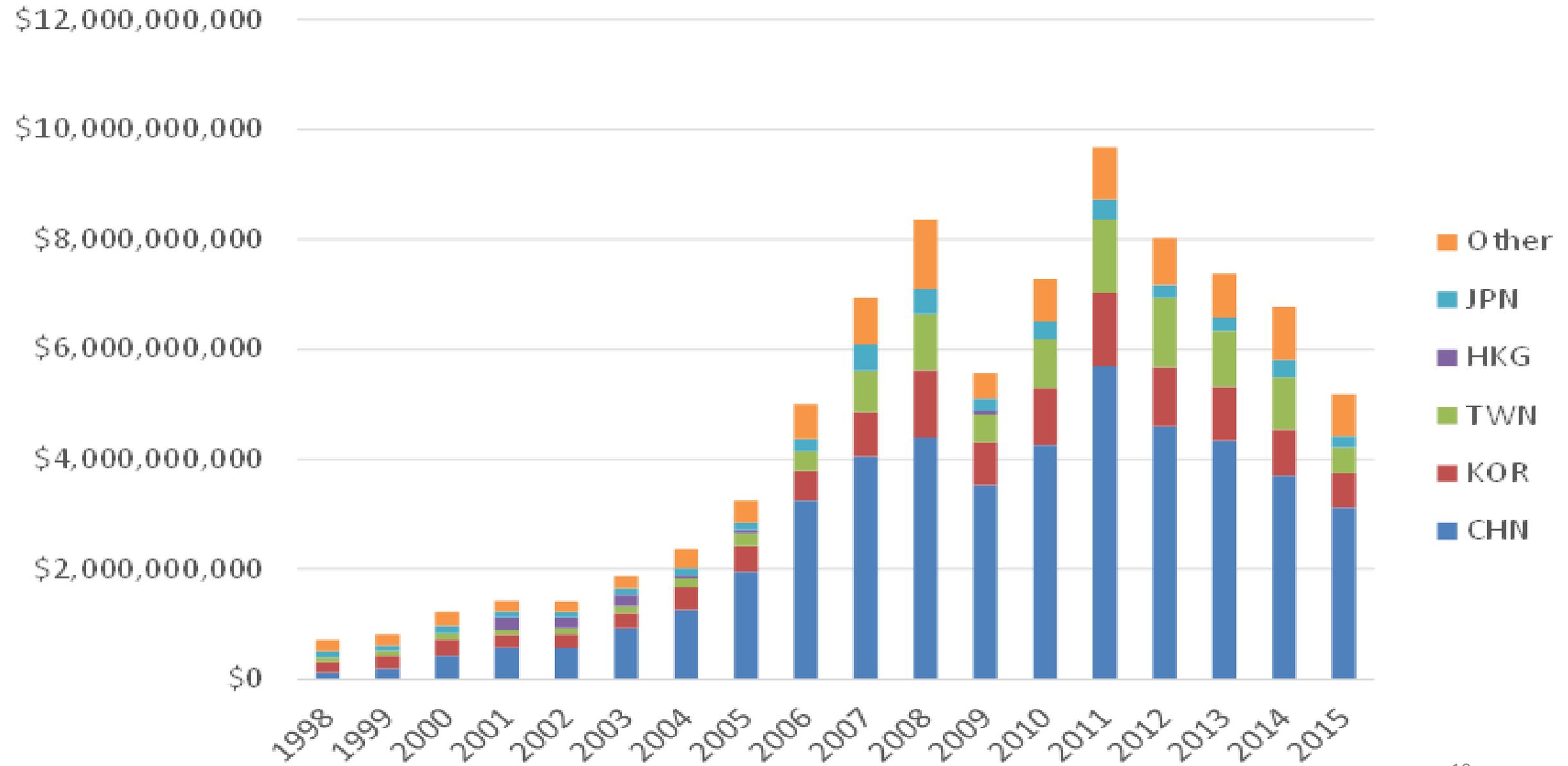
# CA Recyclable Exports by Tons and Vessel Value



# 2015 CA Seaborne Recyclable Exports by Destination in Tons



# 2015 CA Seaborne Recyclable Exports by Destination in Vessel Value



# Individual Recyclable Commodities from California Ports



Information about individual material categories can be found in the 2015 California Exports of Recyclable Materials report which will be available soon on the Calrecycle website.

# Conclusions and Questions

- 16.4 million tons to export markets
- Export markets of recyclables have been declining overall since 2011.
- Tonnage of recyclable exports declined nearly 9 million percent in 2015. Possibly due to:
  - Strong U.S. dollar compared to other currencies.
  - Weak global economy.

# Conclusions and Questions cont.

- Questions
  - Are we stockpiling more recyclable materials in CA?
  - Is more recyclable material being disposed in our landfills?
  - Are we using more recyclable materials in State?
  - What if more recyclable exports stayed in California?
    - Job Creation
    - CO2 Reduction
    - Recycling Infrastructure Stability

# Data Limitations, Questions, and Future Research

- We don't have as good a handle on truck and rail information due to lack of tonnage data.
- AB901 may provide more information on exported materials.
- Future Questions to answer.
  - What would be needed to develop more in-state processing?
  - How would a continued decline in the export of recyclables affect our ability to reach the 75 percent recycling goal?



# Questions?

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# Country Codes

Acronym	Country
CHN	China
TWN	Taiwan
KOR	Korea, Republic of
MYS	Malaysia
VNM	Vietnam
HKG	Hong Kong
IDN	Indonesia
THA	Thailand
JPN	Japan
IND	India
PAK	Pakistan

Acronym	Country
PER	Peru
SLV	El Salvador
MEX	Mexico
SGP	Singapore
PHL	Philippines
GBR	United Kingdom
TUR	Turkey
EGY	Egypt
ITA	Italy
DEU	Germany