

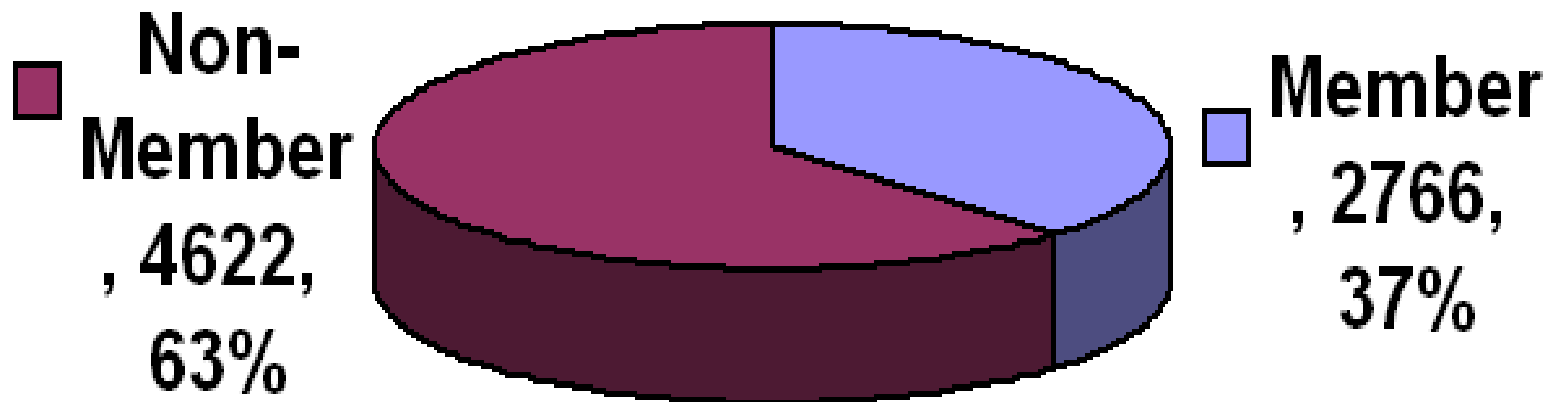
Pallet Usage in Thai Industry

Mr. Techa Boonyachai
Vice Chairman,
Thai National Shippers' Council



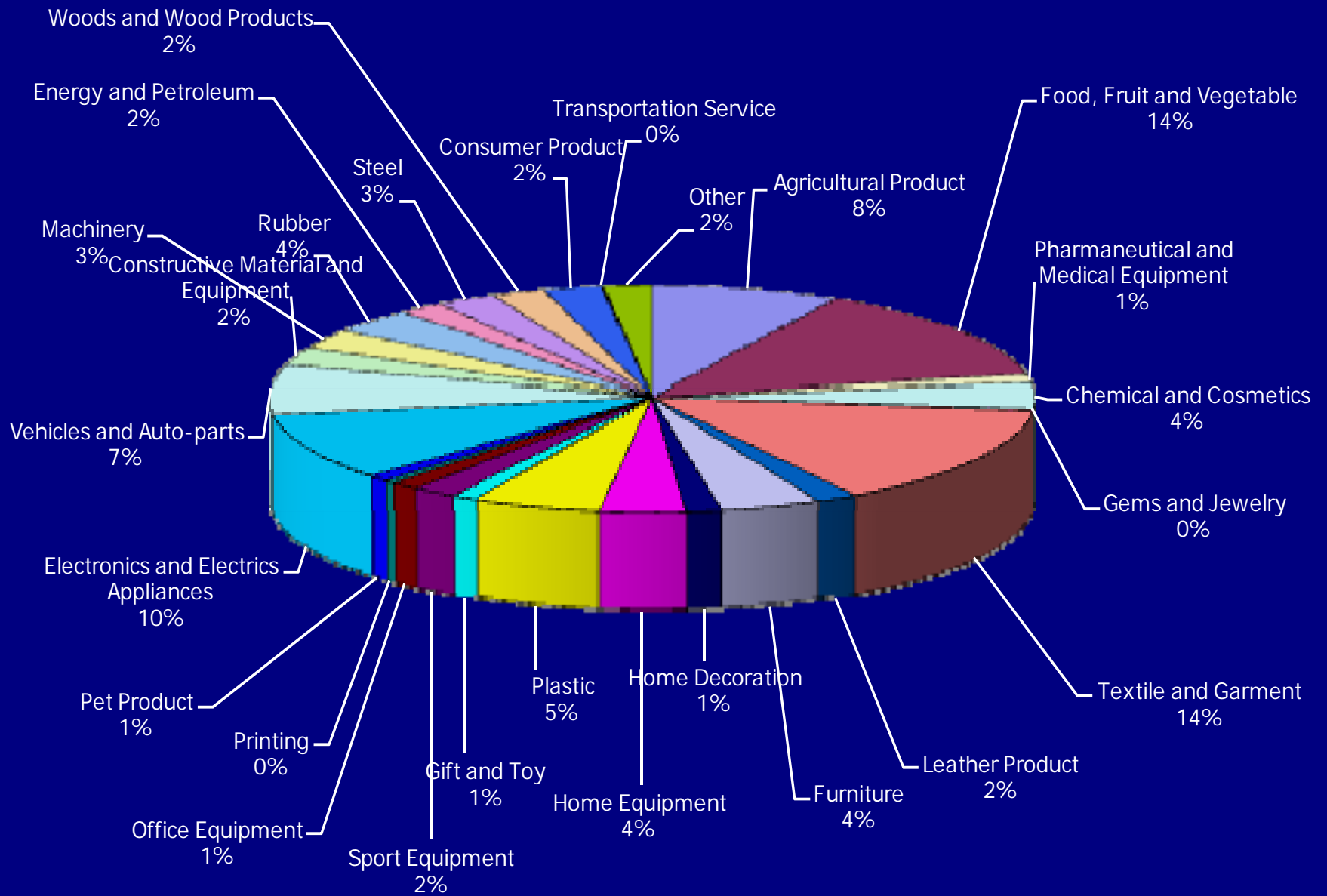
- TNSC serves as a representative organization of exporters according to the Thai National Shippers' Council Act B.E.2537.
- Our main objective is to promote and protect the interest of exporters.

TNSC Members: By No. of Exporters



**Total Exporters
7,388**

TNSC Member: Industry





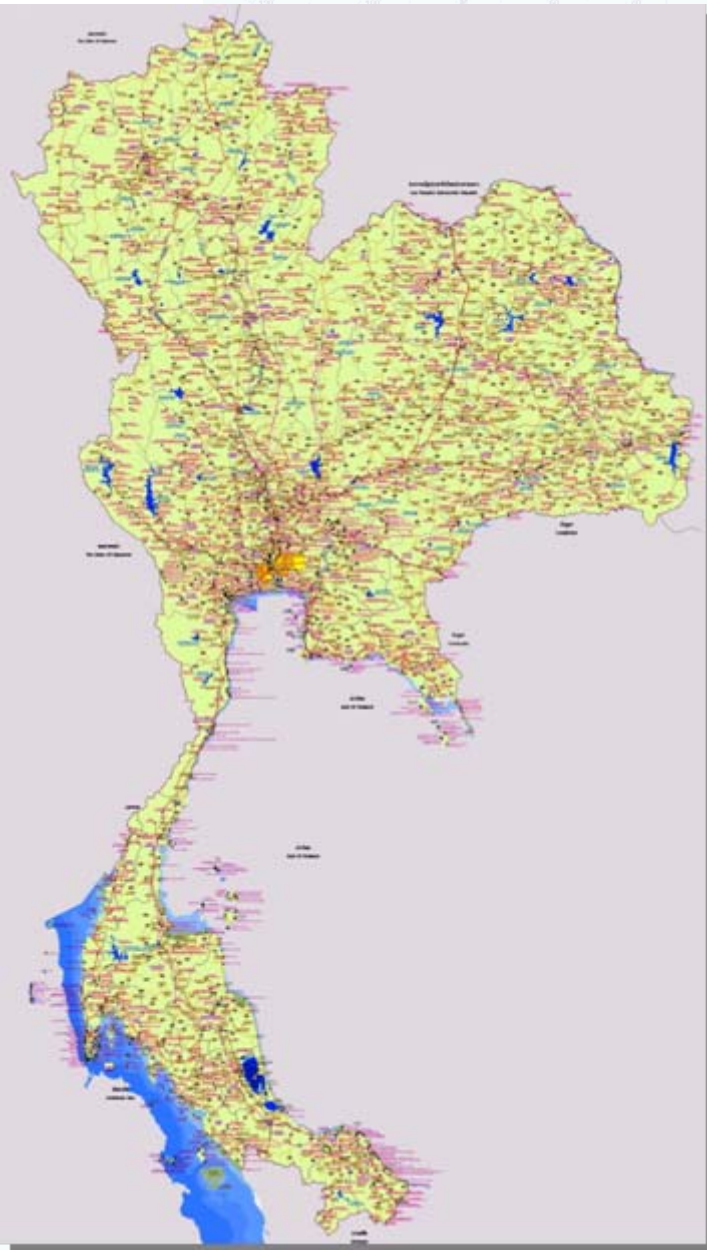
TNSC : Vision

**Leading Institute in Enhancing
Competitiveness of Exporters
in Logistics and Supply Chain”**

Part I : General Information

- Industry Categories
- Export Zone

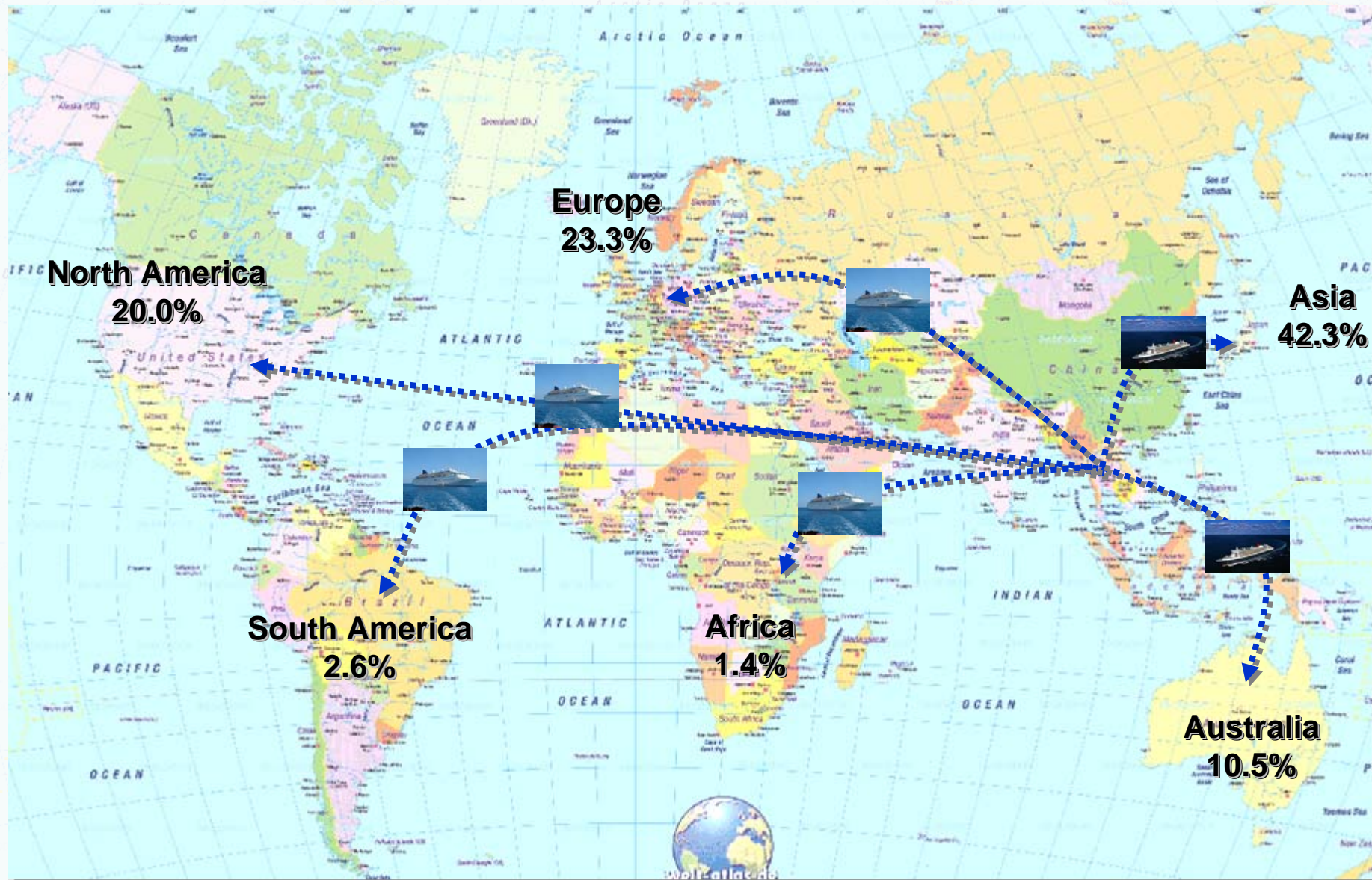




Industry Categories

Percentage

Food/Vegetable/Fruits	15.3%
Export	9.0
Color & Plastic	8.1%
Automobile/Auto part	6.3%
Electronics	6.3%
Iron/Metal Part/Aluminum	6.0%
Garments	5.1%
Rubber	5.1%
Electrical Equipment	4.4%
Bottle/Glass/Ceramic/Sanitary ware	3.5%
Industry Factory	3.5%
Chemical	3.2%
Agriculture Products	3.2%
Furniture	3.0%
Leather (Bag, Shoe)	2.1%
Consumer Products	1.9%
Petrochemical	1.6%
Machinery	1.6%
Medical Instrument	1.6%
Toys	1.6%
Medicine/Supplement	1.2%
Books/Stationery	1.2%
Stainless Equipment	0.9%
Paper	0.7%
Cosmetic	0.7%
Printed matters	0.5%
Carpet	0.5%
Telecommunications	0.5%
Logistics	0.5%



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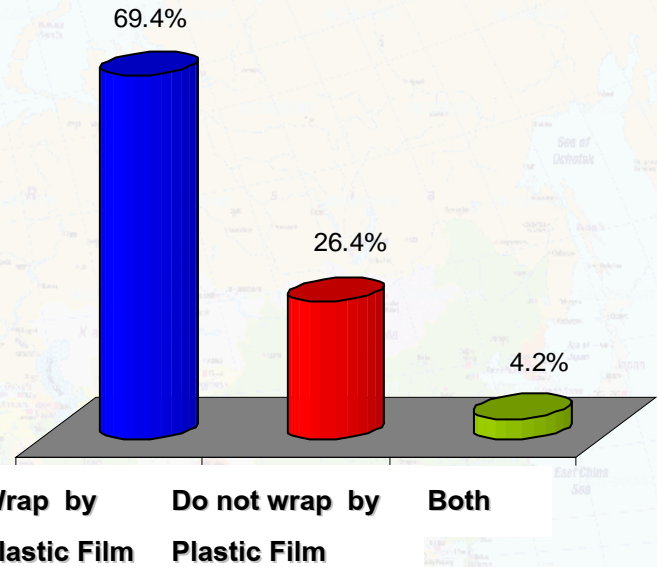
Part II : Pallet Usage at Present

- **Category & Volume**
- **Wrap & Story (Plastic Pallet)**

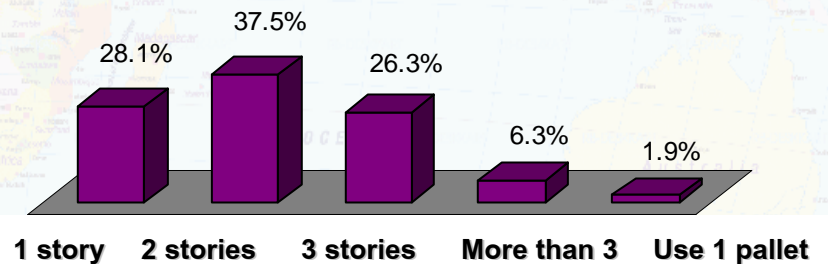


Export to North America

❖ 69.4% Wrapped by plastic film for transportation



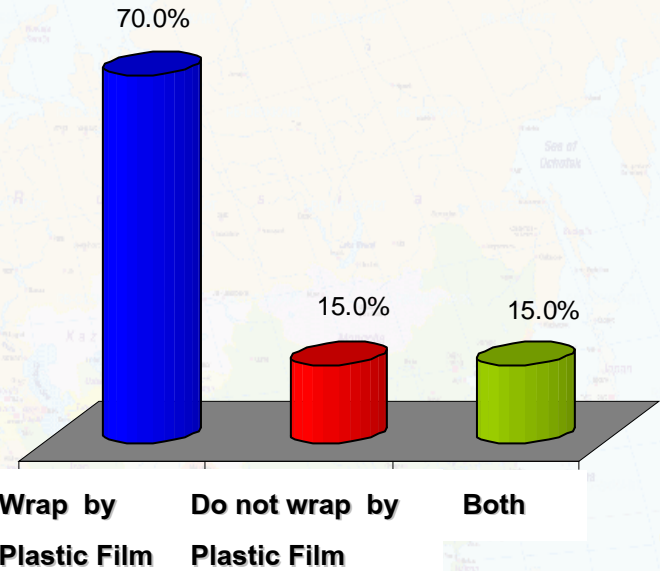
❖ Number of story is around 1-2 stories



Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	35.4%	44.6%
Plastic Pallet	90.4%	9.6%
Iron Pallet	100%	-

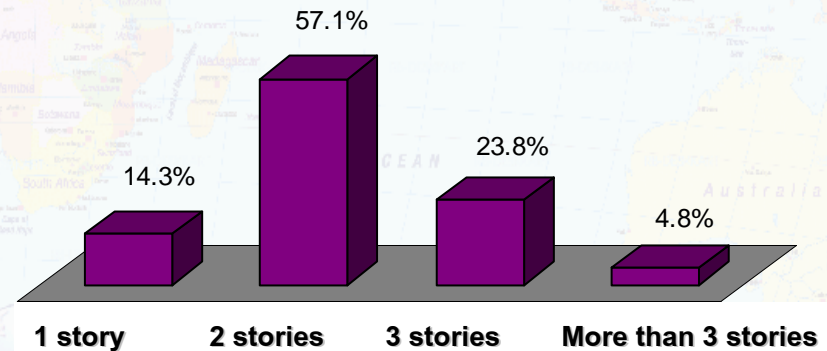
Export to South America

❖ 70.0% Wrapped by plastic film for transportation



❖ Number of stories is around 1-2 stories

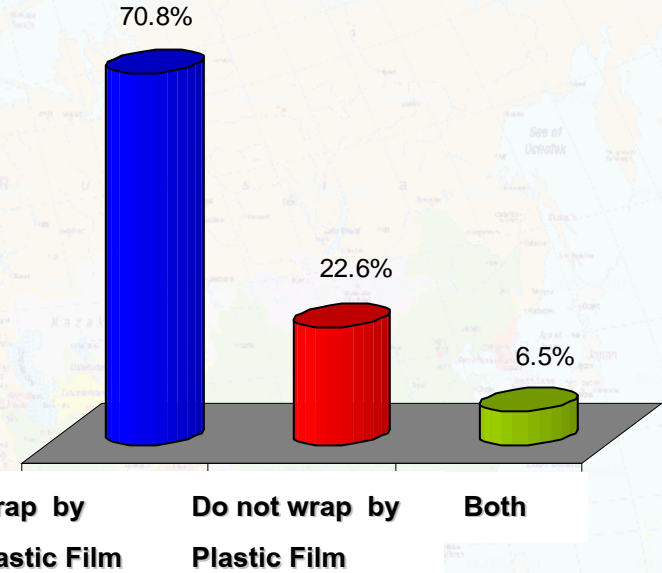
Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	64.6%	35.4%
Plastic Pallet	80.5%	19.5%



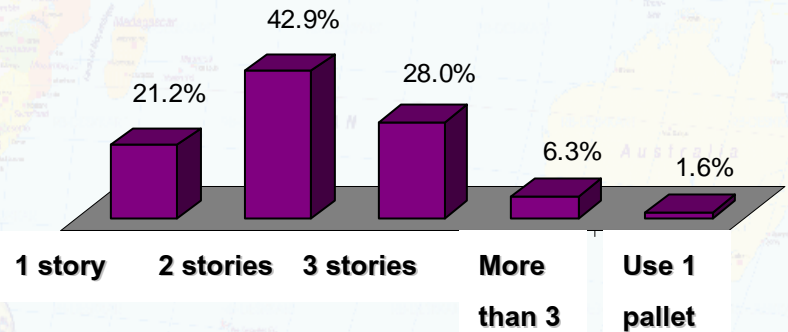
Export to Europe



❖ 70.8% Wrapped by plastic film for transportation



❖ Number of story is around 1-2 stories

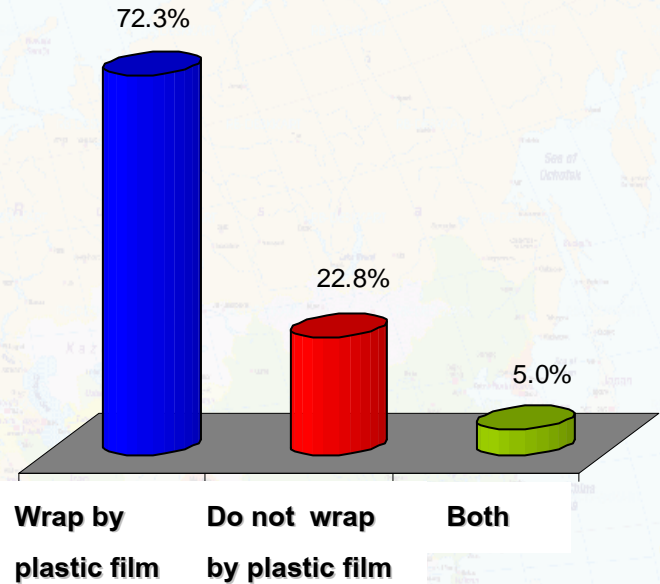


Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	60.8%	39.2%
Plastic Pallet	28.5%	71.5%
Iron Pallet	91.5%	8.5%

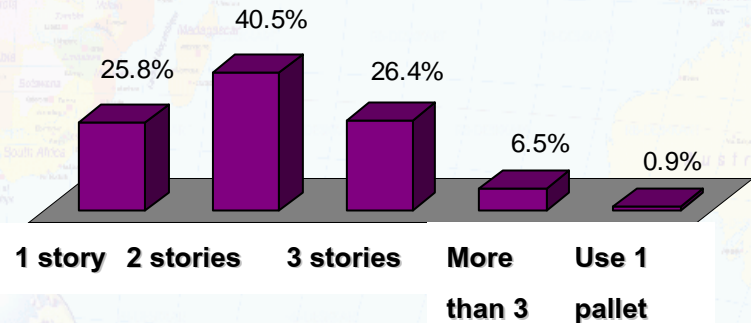
Export to Asia



❖ 72.3% Wrapped by plastic film for transportation



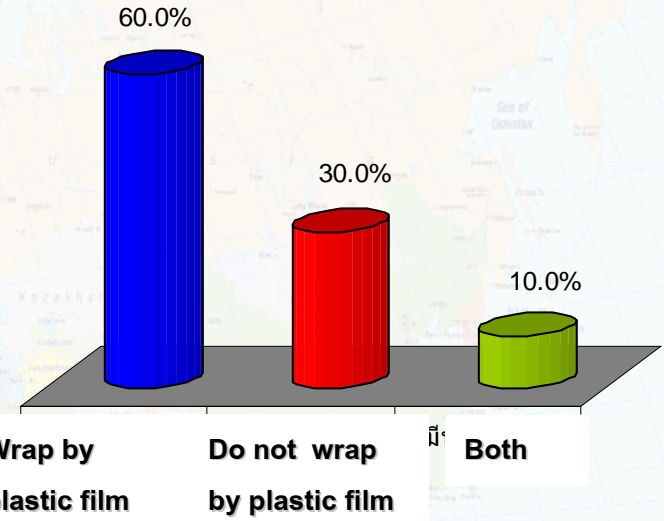
❖ Number of story is around 1-2 stories



Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	72.7%	27.3%
Plastic Pallet	91.0%	9.0%
Iron Pallet	87.8%	12.2%

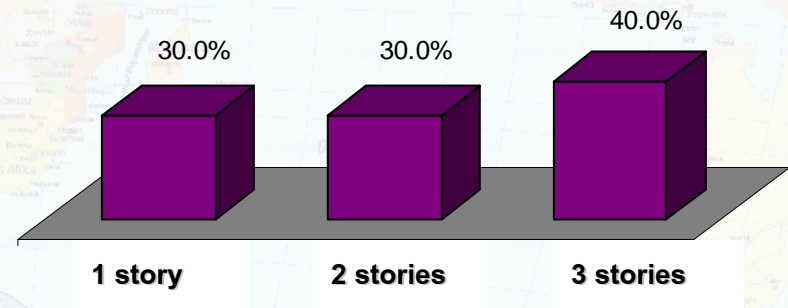
Export to Africa

❖ 60.0% Wrapped by plastic film for transportation



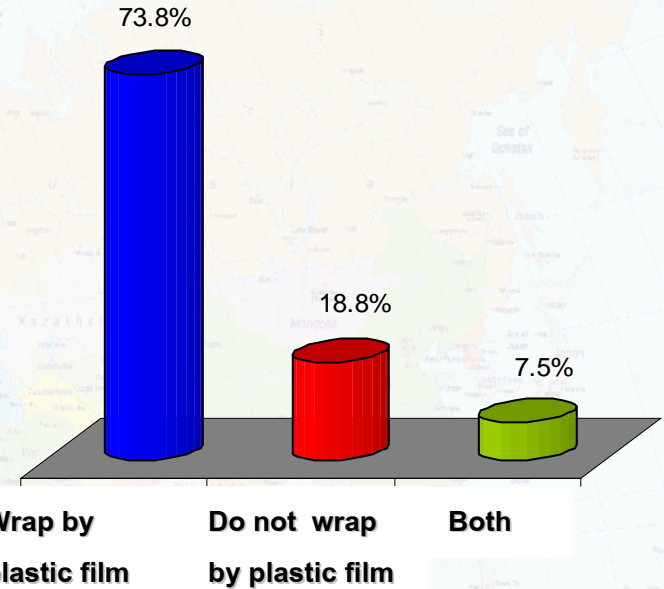
❖ Number of story is around 1-2 stories

Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	73.5%	26.5%
Plastic Pallet	100%	-



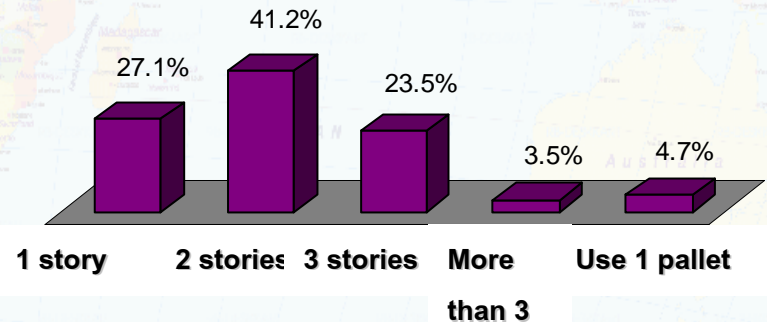
Export to Australia

❖ 73.8% Wrapped by plastic film for transportation



❖ Number of story is around 1-2 stories

Pallet Category	Returnable Pallet	One Way Pallet
Wood Pallet	80.2%	19.8%
Plastic Pallet	86.0%	14.0%



- ➔ **Most of Pallet size which has been used to export to North America is Wood Pallet size $W \times L \times H = 1.0 \times 1.2 \times 0.15$**
- ➔ **Most of Pallet size which has been used to export to South America is Wood Pallet size $W \times L \times H = 1.0 \times 1.0 \times 0.12$**
- ➔ **Most of Pallet size which has been used to export to Europe is Plastic Pallet size $W \times L \times H = 1.0 \times 1.2 \times 0.15$**
- ➔ **Most of Pallet size which has been used to export to Asia is Wood Pallet size $W \times L \times H = 1.0 \times 1.2 \times 0.15$**
- ➔ **Most of Pallet size which has been used to export to Australia is Plastic Pallet size $W \times L \times H = 1.0 \times 1.2 \times 0.15$**
- ➔ **Almost of Plastic Pallet, which use to export to North-America, South-America, Europe, Asia, Australia and Africa are wrapped by Plastic Film**
- ➔ **Export to North-America use 1-2 stories of Pallet while export to South-America use 2 stories of pallet. And export to Europe use 2-3 stories of pallet**
- ➔ **Export to Asia use 2-3 stories of pallet but export to Australia use only 1-2 stories. And export to Africa use 2-3 stories of pallet.**