

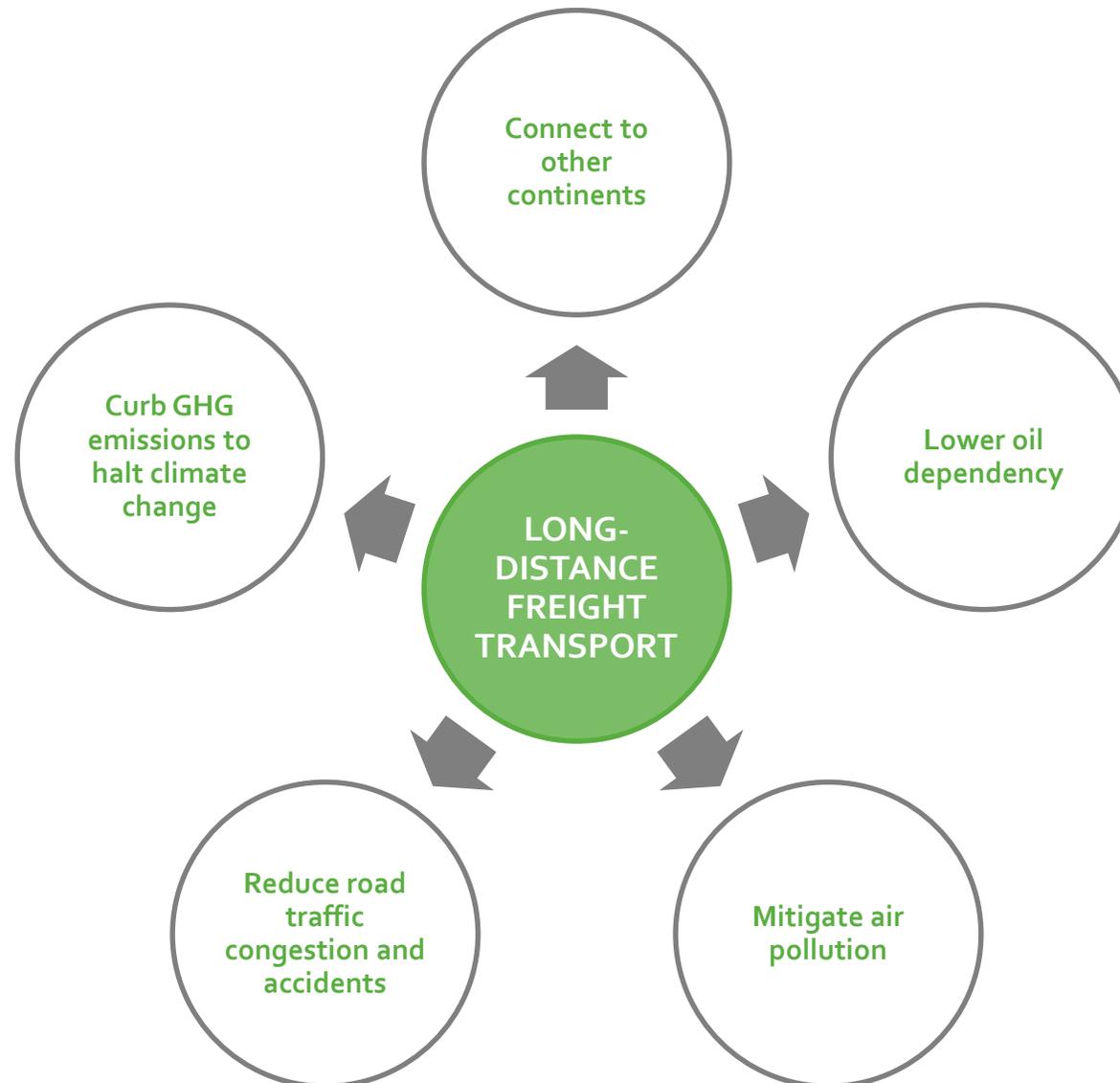
European Intermodal Summit 2020

COMBINED TRANSPORT AND THE SOLUTIONS OF THE PAST



Ralf-Charley SCHULTZE
President

The freight transport challenges of the past





- **The shipping container:**
an invention of the 1950s to accelerate loading/unloading at ports
- **Versatile:**
capable of holding all kinds of manufactured or semi-finished goods as well as raw materials



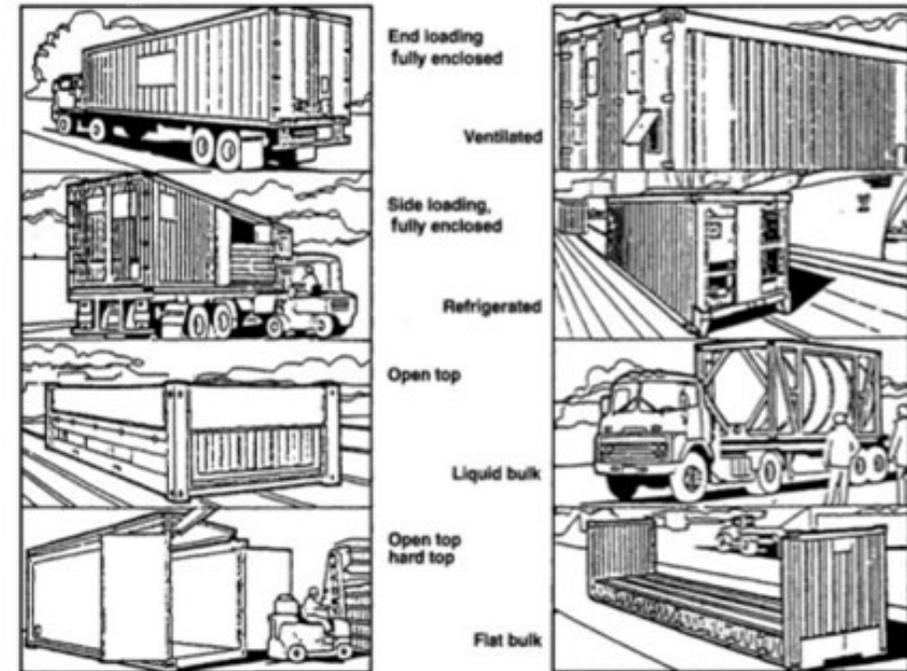
Lower oil dependency: forwarding continental units

- **The Huckepack concept:**
truck on a train - one mode carrying another
- **Long distances:**
trucks can cover longer distance sections of continental transport-chains by using rail or waterborne assistance



Mitigate air pollution: a loading unit for every type of cargo

- Liquids: tank containers
- Perishable goods: refrigerated containers
- Open top or flat rack: for odd sized bulky cargo





- Accompanied Combined Transport: full trucks with drivers (RoLa)
- Unaccompanied Combined Transport of semi-trailers: vertical transshipment and horizontal transshipment of trailers onto trains



- **Electric trains:**
electric trains of 750 length and 2000t gross weight carry up to 56 truckloads of cargo



- **Modern barges:**
up to 100 truckloads can be carried on the most modern barges