

RaboResearch Food & Agribusiness

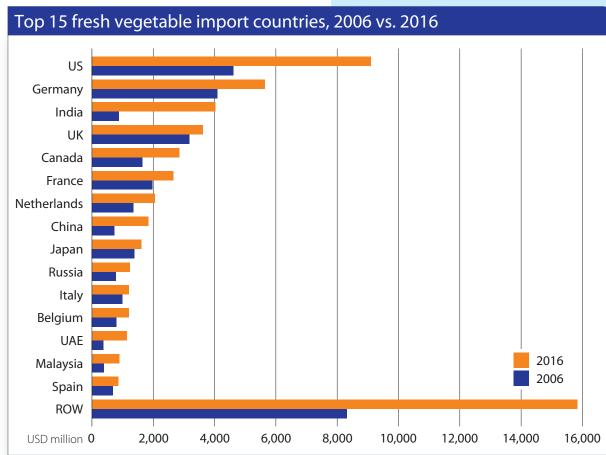
Rabobank Group is a Netherlands-based international financial services provider focused on F&A, with operations in 42 countries. Visit far.rabobank.com to learn more about our knowledge and services in the various F&A sectors.

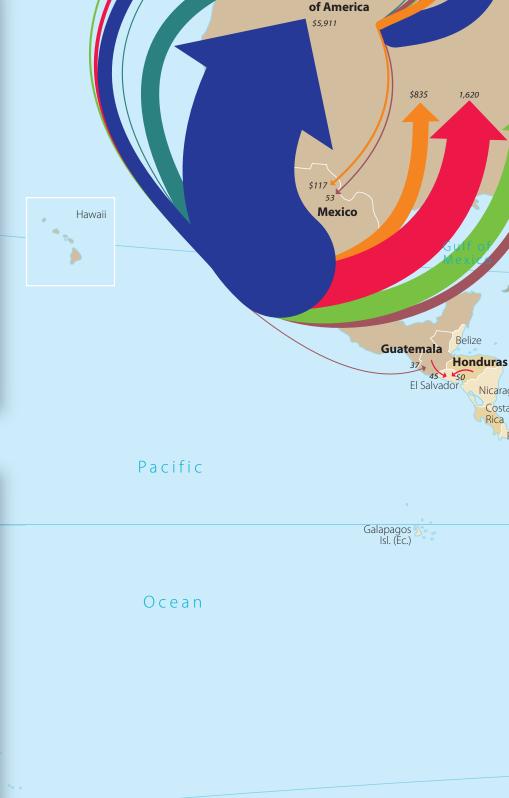
far.rabobank.com





2016 Morocco 2006 Germany ROW 4,000 6,000 8,000 10,000 12,000 14,000 16,000 2,000 USD million **0** 





stimated greenhouse vegetable production area and vertical farming concentrations Total global area of vegetables and herbs grown in greenhouses (permanent structures) is estimated at about 500,000 hectares, of which about 40,000 hectares in glasshouses and the remainder in plastic greenhouses. 2,931 ha e type mainly glass North and Central Ame 3,600 ha 41,384 ha use type mainly plastic 51,787 ha Greenhouse type + about 10% glass, 90% plastic 82,000 ha , mainly plastic 20,000 ha 44,700 ha Greenhouse type mainly plastic Area 20,000 ha Trend + Greenhouse type mainly plastic Egypt Area 6,800 ha Trend -/+ Greenhouse type mainly plastic South America Area 900 ha Trend + Greenhouse type about 20% glass, 80% plastic 14,000 ha 1,300 ha 200 Commercial vertical farming businesses (growers and technology suppliers) Vertical farming is food (mainly vegetables and herbs) grown in vertically stacked layers (such as a skyscraper, warehouse, or shipping container). Vertical farming makes use of indoor farming techniques and controlled-environment agriculture technology, New Zeeland such as artificial control of light, climate, and fertigation. Area 310 ha Trend + Greenhouse type plastic and glass

This map is published in line with Rabobank's long-term commitment to international food and agribusiness. It is one of the products undertaken by

RaboResearch Food & Agribusiness. Clients of Rabobank can obtain a copy of this map from their Relationship Manager.

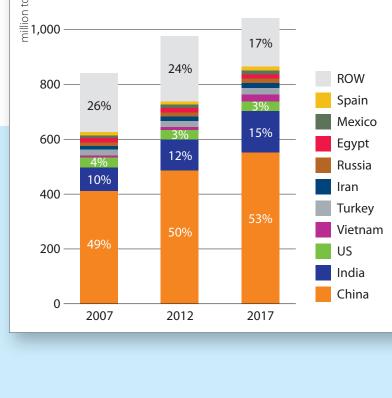
Published Utrecht, January 2018

Note: Includes vegetables and melons; excludes mushrooms. Some countries' data includes strawberries.

Availability

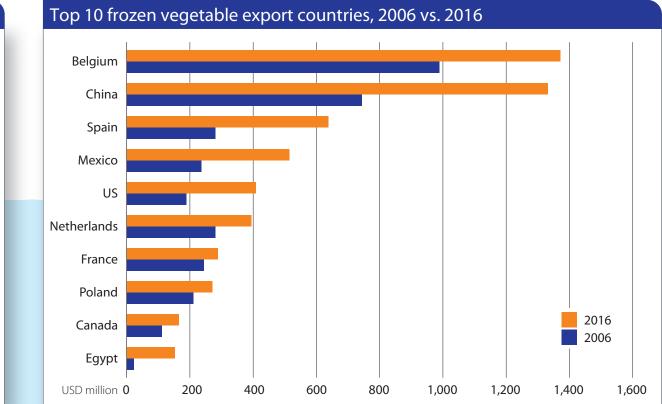
2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

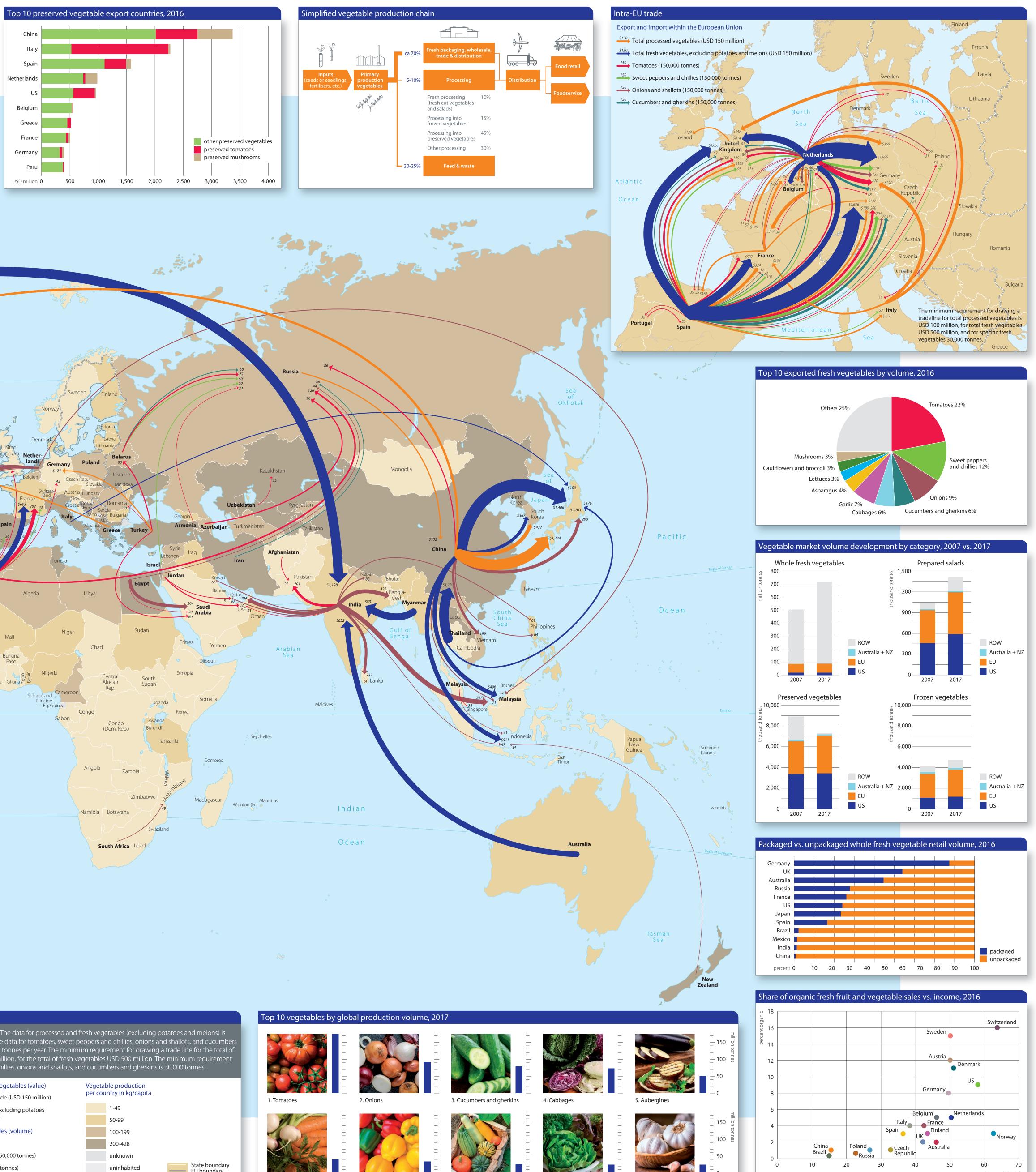
**Printing** De Groot Drukkerij bv, Goudriaan, the Netherlands

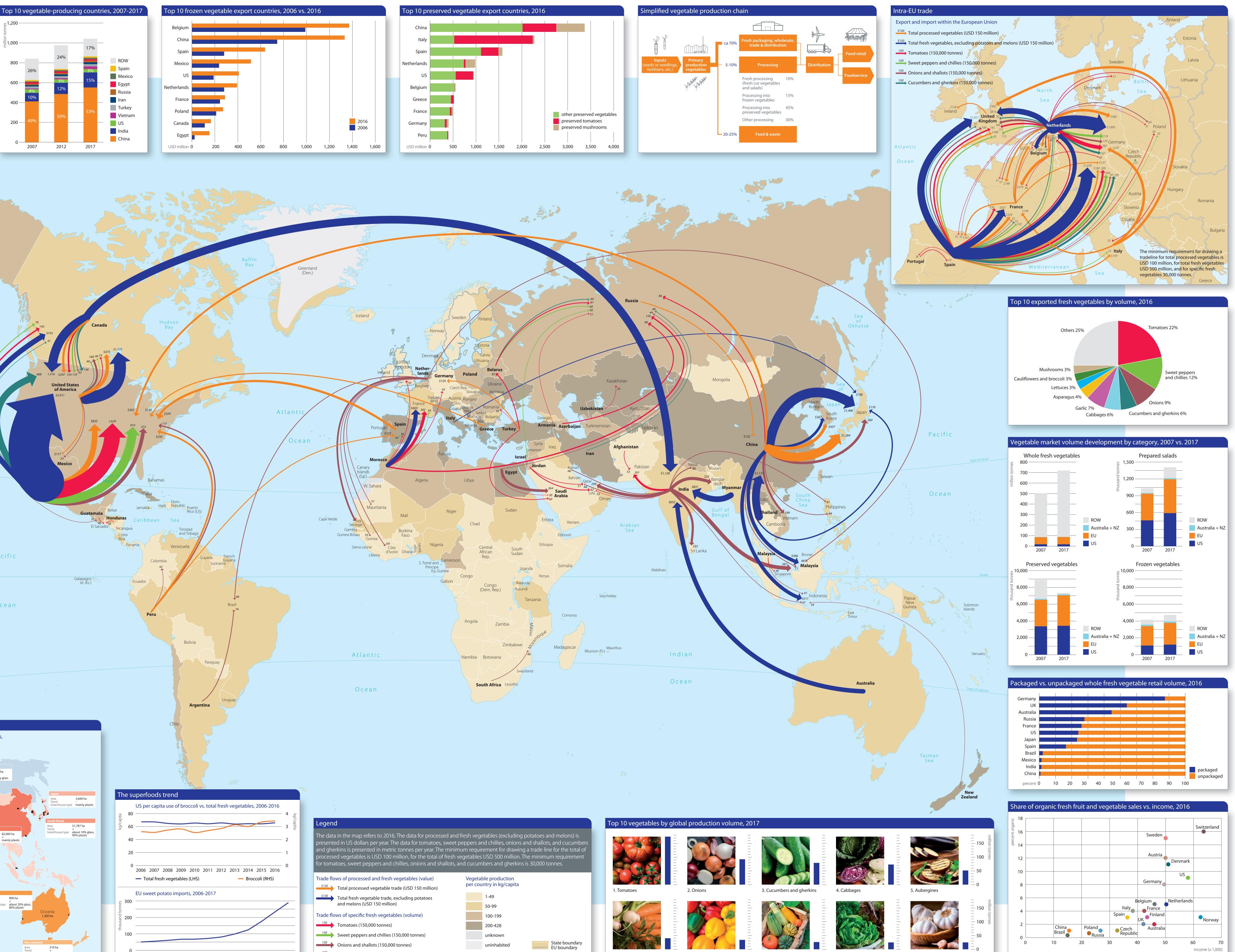


United States

∧ 1.20







Sources UN Comtrade, Food and Agriculture Organization of the United Nations, Euromonitor, Eurostat, World Bank, USDA, IFOAM, Rabobank, 2017.

Cucumbers and gherkins (150,000 tonnes)

Cover Photo Shutterstock

Sweet peppers and chillies

other boundaries in this map are taken from authoritative sources and are believed to be accurate as of the date of publication of this map.

8. Pumpkins and squash

9. Lettuce and chicory

10. Garlic Disclaimer

Note: Income is gross national income in purchasing power parity, expressed in current international USD.

The information on this map is based upon or drawn from various authoritative sources and whilst all reasonable care has been taken in the preparation of this map no warranties can be given as to its accuracy and/or no reliance should be placed upon the same without further detailed inspection and survey. Therefore, the publishers cannot accept any liability or responsibility for any loss or damage and indeed would be grateful to receive notification of any errors or inconsistencies.