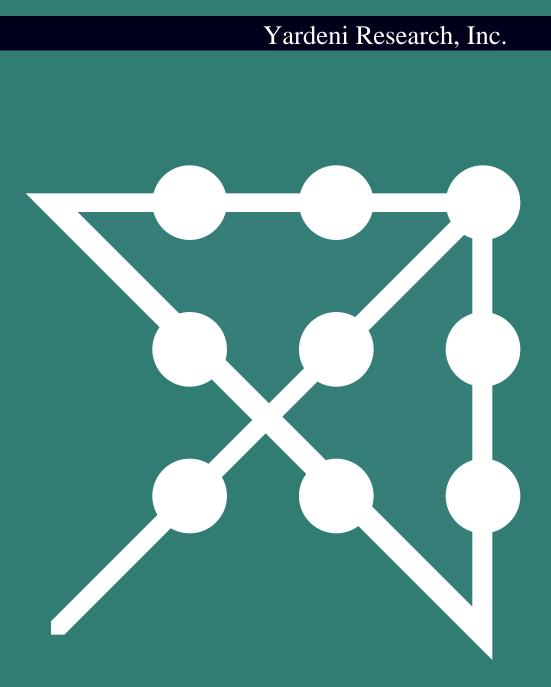
Chart Collection for Morning Briefing



thinking outside the box

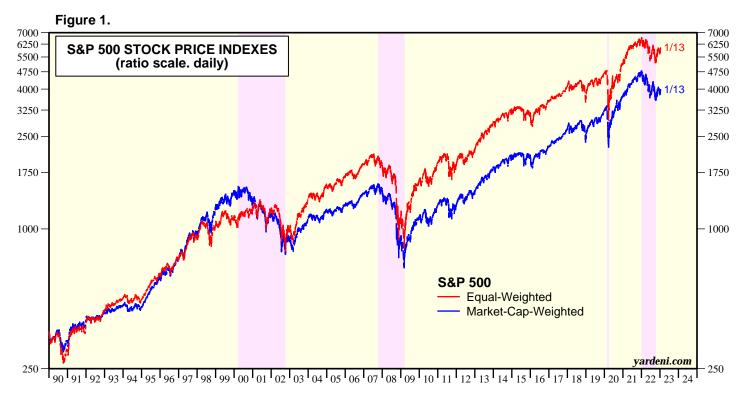
January 18, 2023

Dr. Edward Yardeni

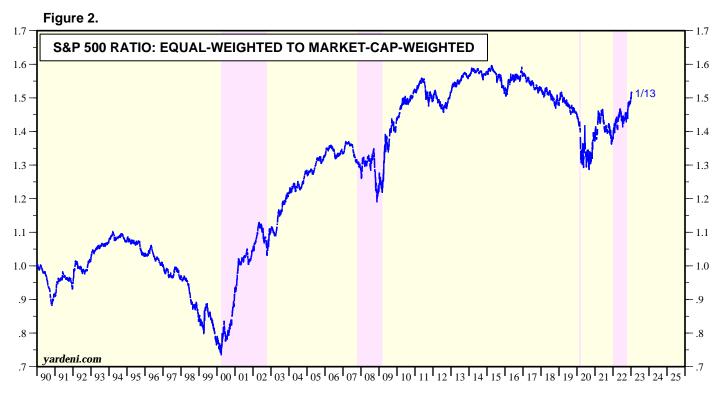
516-972-7683 eyardeni@yardeni.com

Mali Quintana 480-664-1333 aquintana@yardeni.com

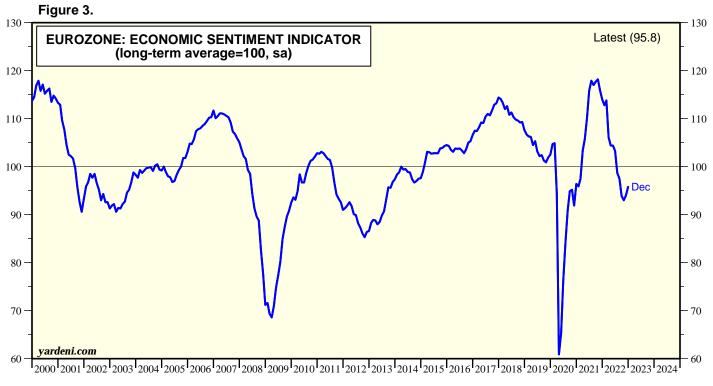
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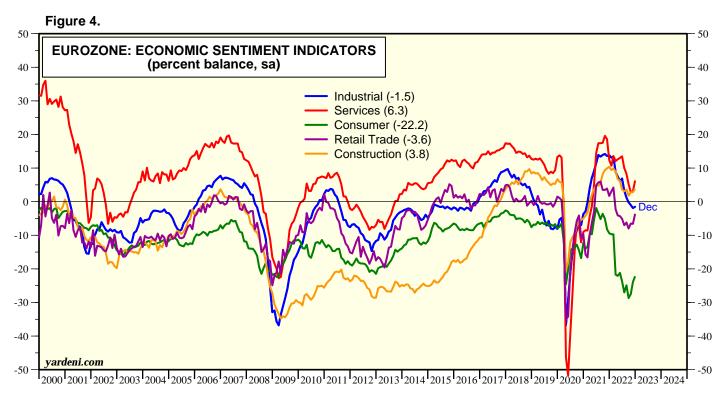
Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas are bull markets. Source: Haver Analytics and Standard & Poor's.



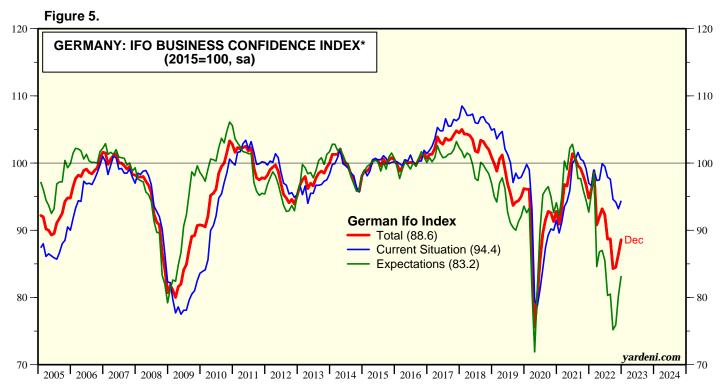
Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas are bull markets. Source: Haver Analytics and Standard & Poor's.



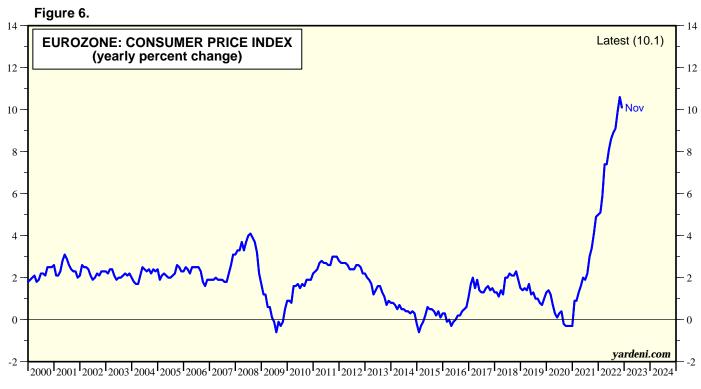
* The overall economic sentiment indicator (ESI) is derived from the industrial (weight 40%), service (30%), consumer (20%), construction (5%), and retail trade (5%) confidence indicators. Source: European Commission.



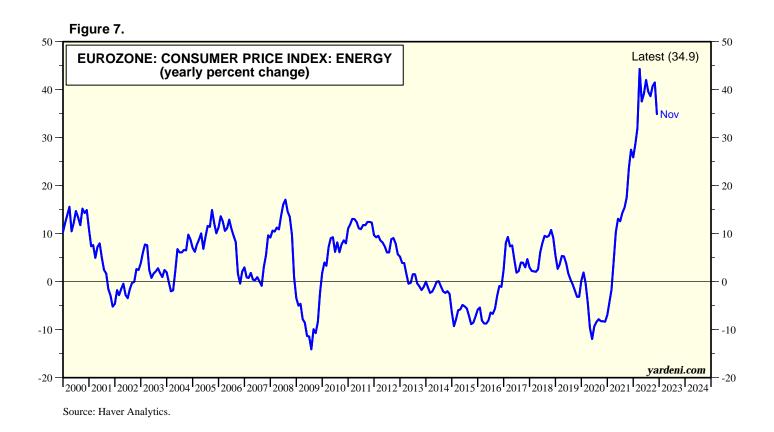
Source: European Commission.

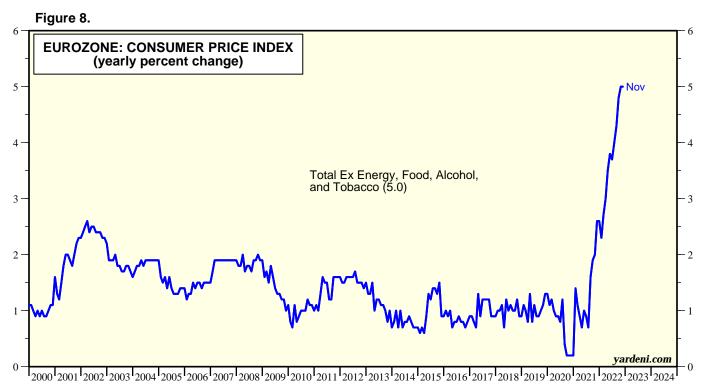


* Ifo introduced new series, which include services for the first time, drastically reducing the weight of the manufacturing sector within the measures. Source: Ifo-Institut Fur Wirtschaftsforschung.

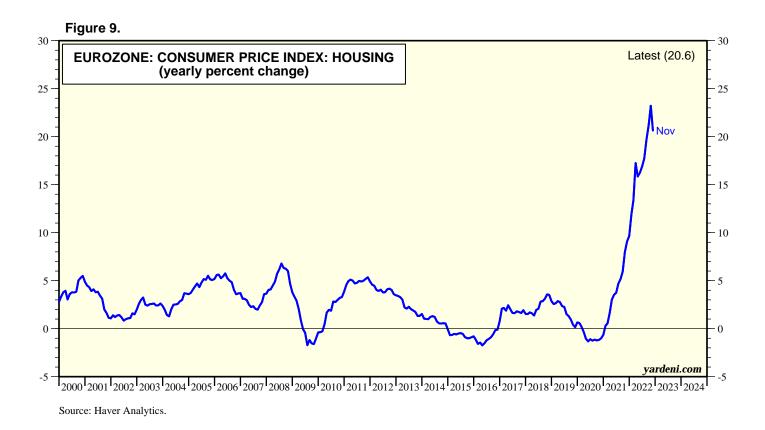


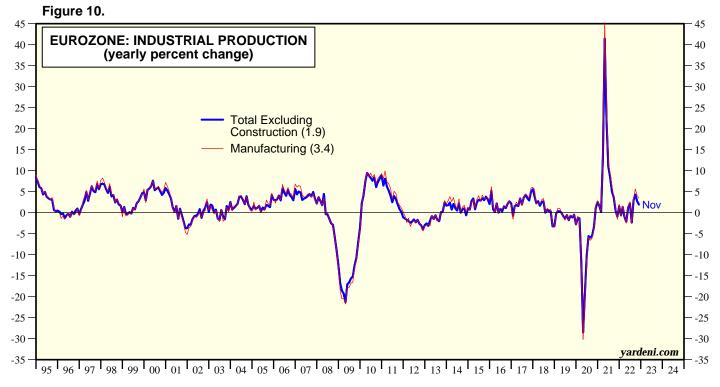
Source: Haver Analytics.



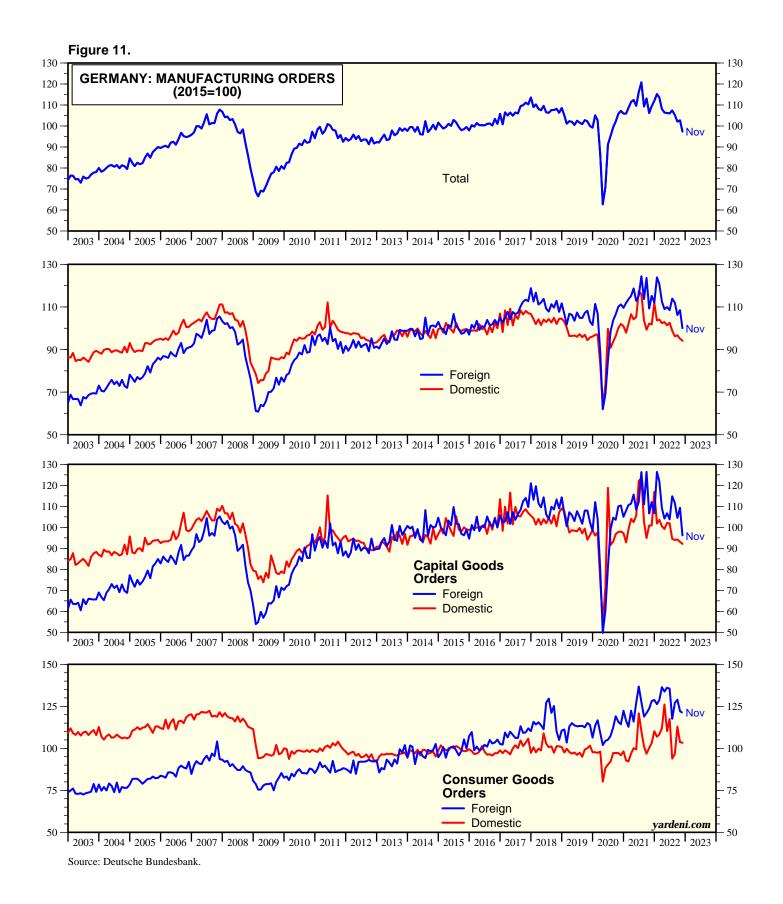


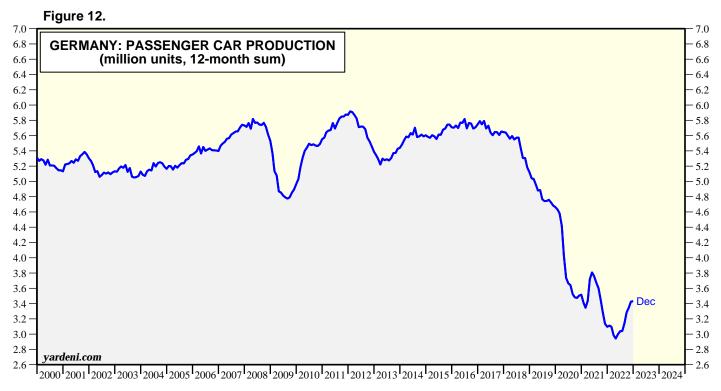
Source: Haver Analytics.



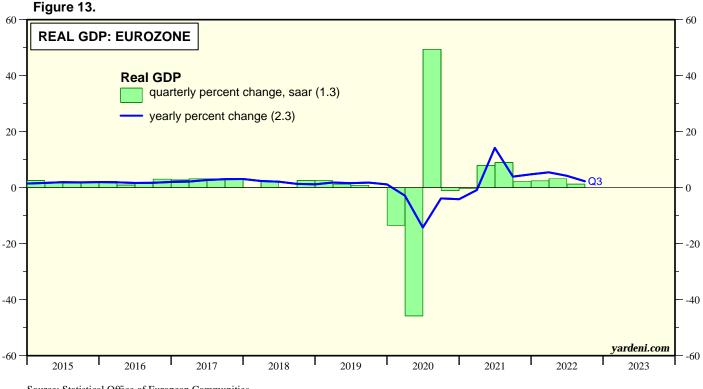


Source: Statistical Office of European Communities.

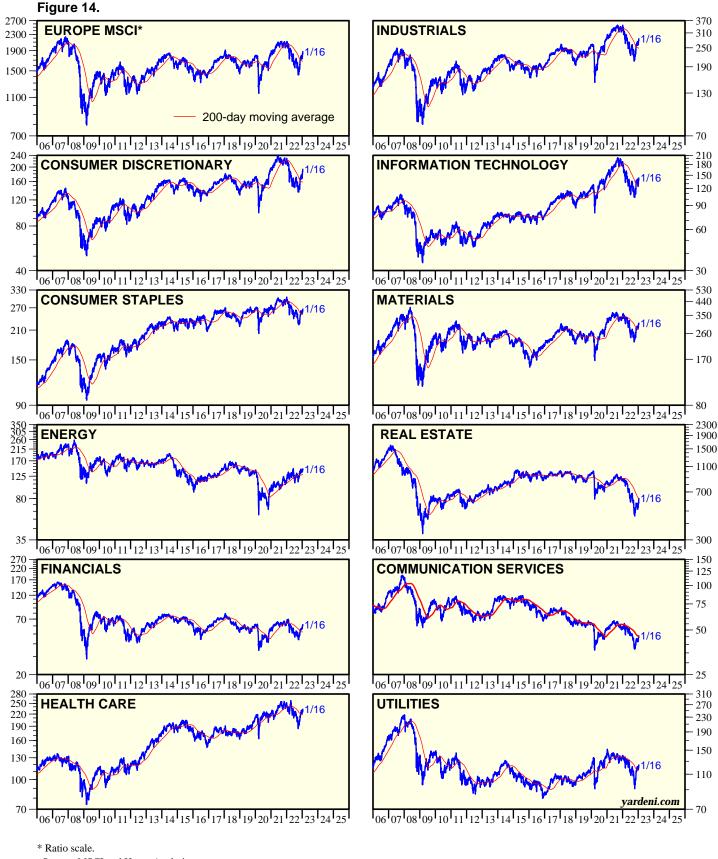


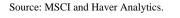


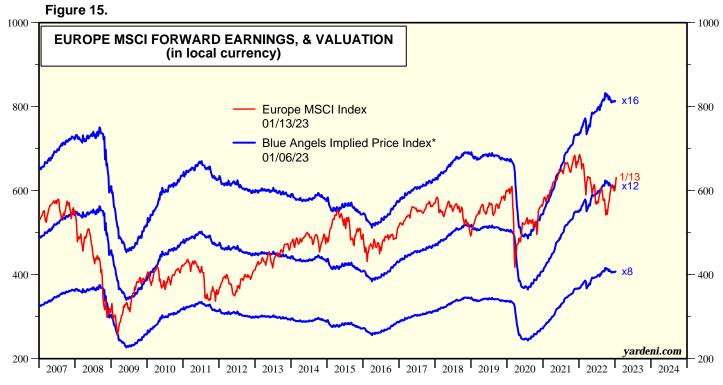
Source: Verband der automobilindustrie.



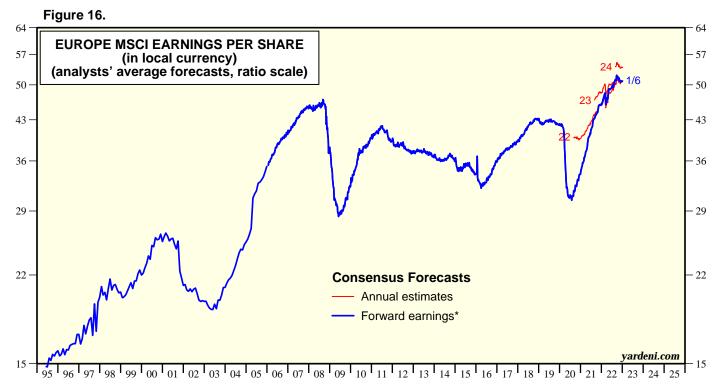
Source: Statistical Office of European Communities.







* Implied price index calculated using forward earnings times forward P/Es. Monthly through December 2005, weekly thereafter. Source: Standard & Poor's and I/B/E/S data by Refinitiv.



* Time-weighted average of consensus estimates for current year and next year. Monthly through December 2005, then weekly. Source: I/B/E/S data by Refinitiv.

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