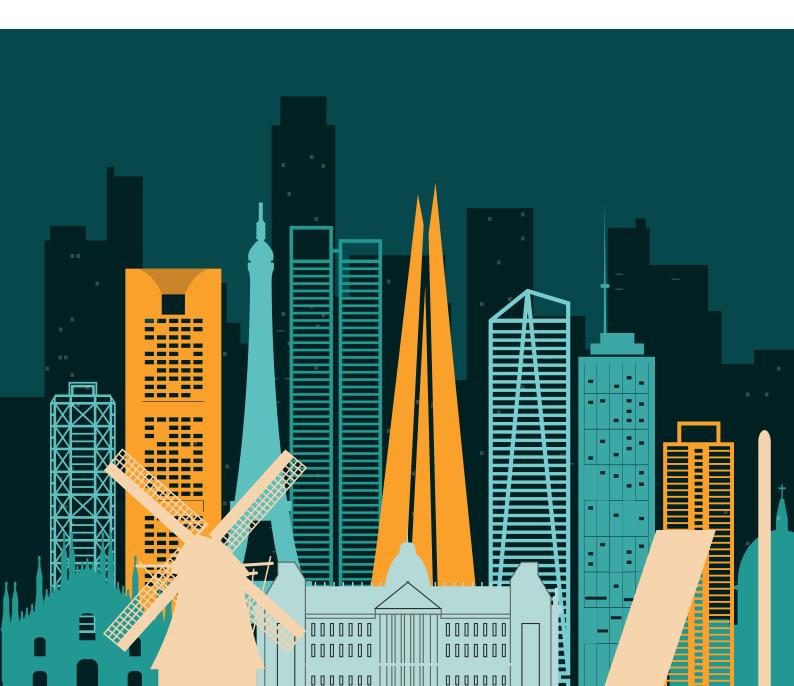


European office outlook

Winter 2019



EUROPEAN OUTLOOK

Europe saw moderate stabilisation in Q3 2019, with Germany avoiding recession and the overall Eurozone economy recording a 0.2% GDP growth rate over the quarter, in line with expectations.

ovish monetary environment is D expected to support the overall European economic environment, despite continued global geopolitical headwinds. For example, in November the ECB resumed net purchases at a monthly pace of €20bn, while interest rates remain unchanged for now.

European Office investment volumes increased by 9% q-q to €29bn in Q3 2019. Cross border investment volumes totalled just under half of this number, at €14bn.

A significant contributor to cross border capital investment across Europe have been South Korean investors. In the year to Q3 2019, the South Korean market share of cross border investment into European Offices increased by 10% to 16%, compared to the year prior. Excluding the UK from the European figures, the South Korean market share grows from 5% to 19% over the same period.

Looking ahead to 2020, we expect demand for European commercial real estate to strengthen. In the current lower for longer interest environment, over half of Eurozone government bonds are negative yielding, an amount of circa €4.6 trillion. In this context, the positive yield and income feature of commercial real estate could look relatively attractive. This is particularly relevant for liability matching investors, notwithstanding regulatory considerations.

Specifically, according to Capital Economics, over €40 billion of German government bonds with a coupon

of 3% or higher are due to mature in 2020. These bond-holders are either going to have to realign their income expectations or look to other asset classes such as commercial real estate, to find similar expected returns.

Compared to such a low yielding bond environment, the average prime office yield across our European survey area is 4.08%.

However, there is evidence from across the risk spectrum of demand for

Fig 1. European commercial property investment volumes

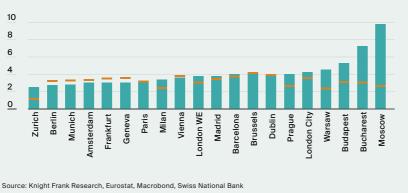


Q1 Q2 Q3 Q4 - Q1-Q3 Average



Q3 2019 — Yield gap

Source: Real Capital Analytics/Knight Frank



If just 1% of the negative yielding government bonds were re-allocated to real-estate. this would equate close to €46bn of additional capital, which is 20% more than the total commercial investment for France in 2018.

MIKE BOWDEN PARTNER, CAPITAL MARKETS

real estate. At the more risk seeking end, Preqin estimates that in Q3 2019 alone, \$14 billion of dry power targeting European real estate was raised by Private Equity.

Alongside continued investment prospects in 2020, we also anticipate further growth in the occupier markets in Europe. Across the survey area, prime Office rents grew by 1.9% q-q and 4.3% over the year, with Berlin and Amsterdam experiencing close to 17% and 16% rental growth year-onyear, respectively. 32% of the survey area, including Bucharest, Madrid, Barcelona, and Warsaw still have room to grow compared to previous cycle rents. This is reaffirmed by low vacancy rates across the survey area, which have continued to drop both over the quarter (-0.1%) and year-on-year (-0.8%) to just 6.4%. The combination of growing rents and falling vacancy rates is indicative of the occupier appetite in European Prime Offices, and we expect this to continue into 2020.

Take-up also supports this view, as the survey area experienced growth in take-up by 14% over the quarter and 11% year-on-year. Cities including Berlin, Brussels, Budapest and Moscow contributed significantly to this. We expect this positive momentum to continue in the occupier market over the coming quarters.

THE ASCENT OF SINGLE **ASSET MEGA-DEALS**

2019 has been an exceptional year for European fund raising, further highlighting the volumes at a similar trading level to last year. But what is clear is the increase in large single asset transactions. In the 12-months to Q3 2019, excluding the UK, €200m+

Of the 10 largest single asset Office transactions across Europe over the last 12 months, 70% were in Paris. The largest single asset transaction was the Lumiere tower building spanning 69,000 sq m located in Frankfurt CBD was sold for €670m to

transactions, worth €5.4bn year-on-year in Q3 2019.



EXCEPTIONAL EUROPEAN FUNDRAISING DRIVING DEMAND



PARIS TOP FOR LARGE SINGLE **ASSET TRANSACTIONS**



CROSS-BORDER CAPITAL DRIVING DEMAND

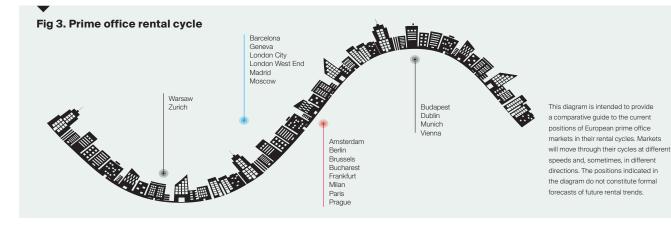
EUROPEAN MARKET INDICATORS

The average European Office yield fell 18bps year-on-year in Q3 2019. Just over a quarter of prime Office yields are expected to experience yield compression into 2020.

COMMERCIAL PROPERTY PRIME RENTS, YIELDS AND OUTLOOKS

	OFFICES		LOGISTICS		SHOPPING CENTRES		HIGH STREETS	
CITY	PRIME RENTS (€/SQ M/YR)	PRIME YIELDS (%)	PRIME RENTS (€/SQ M/YR)	PRIME YIELDS (%)	PRIME RENTS (€/SQ M/YR)	PRIME YIELDS (%)	PRIME RENTS (€/SQ M/YR)	PRIME YIELDS (%)
Amsterdam	475 🔺	3.00 >	85 🔺	4.25 🕨	N/A	N/A	3,000 🗸	3.50 🕨
Barcelona	276 🔺	4.00 >	82 🕨	5.00 🕨	600 🕨	4.50 🕨	3,480 🕨	3.50 🕨
Berlin	450 🔺	2.75 👻	84 🕨	4.50 🕨	1,380 🕨	3.75 🕨	3,900 🕨	2.50 🕨
Brussels	320 🕨	4.00 >	55 ▶	5.25 🕨	1,650 🕨	4.25 🕨	1,800 🕨	3.75 🕨
Bucharest	216 🕨	7.25 💌	48 🕨	8.25 👻	N/A	N/A	840 🕨	7.25 🕨
Budapest	300 🔺	5.25 👻	N/A	N/A	N/A	N/A	N/A	N/A
Dublin	673 🕨	4.00 >	105 🕨	5.25 🕨	3,500 🕨	4.50 🕨	7,000 🕨	3.50 🕨
Frankfurt	540 🔺	3.00 🕨	80 🔺	3.90 🕨	N/A	N/A	N/A	N/A
Geneva	644 🕨	3.00 🕨	184 🕨	4.75 💌	1,049 🕨	4.25 🔺	3,680 🕨	3.75 🕨
London	1,369 (WE) 🔺 882 (City) 🔺	3.75 (WE) > 4.25 (City) >	195 🕨	4.00 🕨	N/A	N/A	10,949 🗸	2.75 🕨
Madrid	372 🕨	3.75 •	66 🕨	5.00 🕨	600 🕨	5.00 🔺	3,600 🕨	3.25 🔺
Milan	580 🕨	3.40 🕨	55 ▶	5.25 🕨	900 🕨	5.00 🕨	11,500 🕨	2.75 🕨
Moscow	722 🔺	9.75 🔸	69 🔺	11.75 🕨	3,181 🕨	10.00 🕨	N/A	N/A
Munich	456 🕨	2.80 🗸	84 🕨	3.90 👻	N/A	N/A	4,400 ▶	2.90 🕨
Paris	855 🔺	3.00 🕨	58 🕨	4.25 💌	1,800 👻	4.25 🔺	20,000 🕨	2.90 🕨
Prague	276 🔺	4.00 🗸	60 🔺	5.00 👻	N/A	N/A	2,760 🔺	3.50 🕨
Vienna	312 🕨	3.60 🕨	72 🕨	5.15 🕨	1,920 🕨	4.10 🕨	7,200 🕨	3.30 🕨
Warsaw	300 🕨	4.50 🕨	60 🕨	6.00 🕨	1,200 🕨	4.75 🕨	N/A	N/A
Zurich	782 🕨	2.50 🕨	230 🕨	5.25 🕨	1,380 👻	4.50 🕨	8,279 🕨	2.50 🕨

Source: Knight Frank Research. All yields are in local convention, net yields are in red.



European Research

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