## Real Estate Research

November, 2023



## **Student Housing in Europe**

# Resilient demand and constrained supply expected to sustain rental outperformance in key university cities

#### IN A NUTSHELL

- Potential for strong rental growth in student housing is containing yield expansion in this sector through the current period of price correction.
- Demand for student housing continues to grow due to a combination of demographics and increasing educational attainment rates both in Europe and in key countries exporting students to Europe.
- Germany stands out in having excellent educational offering and low quality and quantity of purpose-built student accommodation (PBSA), suggesting there is potential for strong rental growth in better quality stock.
- Southern Europe has the largest shortfall in student accommodation but key university cities in the UK, France, and the Netherlands also require investment to meet demand.
- Understanding microlocation and letting strategy remain critical factors for outperforming assets.

### 1. Why Student Housing?

#### Rent growth and resilience

Following several years of pandemic-related slowdown, recent investor surveys<sup>1</sup> show that student housing is back at the top of investors' wishlists. Undersupply is a feature of most European markets and demand continues to rise. Educational attainment rates are still growing in many European countries, particularly Southern and Eastern Europe. In addition, international students continue to find Europe an attractive study destination due to the concentration of high-quality universities and cultural offering. As a result, the sector has seen strong rental growth, which is likely to continue for the next few years as demand/supply imbalances persist.

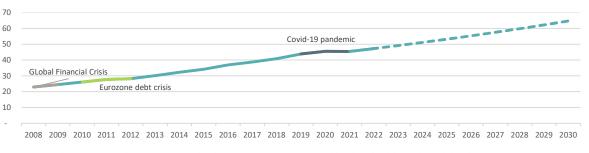
<sup>1</sup> ULI/PwC, 2024, 'Emerging Trends in Real Estate' Europe report. CBRE, 2023, 'Investor Intentions Survey Report'.

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#### Number of students studying abroad, millions



Source: UNESCO, November 2023; DWS, October 2023. Forecasts are based on assumptions, estimates, views and hypothetical models or analyses, which might prove inaccurate or incorrect. Forecasts are not a reliable indicators of future performance.

In addition, at a time when market uncertainty is at a cyclical high due to a rapid rate hikes, geopolitical tensions and the possibility of recession, investors are looking for sectors which offer resilience through economic cycles. Student housing returns have tended to be less sensitive to economic cycles in the past. In the UK, where data goes back to before the Global Financial Crisis (GFC), rental growth actually increased in 2009 when real GDP growth fell by 4% as the newly unemployed returned to education or existing students chose to prolong their studies. The correlation between student housing and GDP is weaker than for offices, offering the potential to boost portfolio performance during an economic downturn.

#### 2. Scoring Methodology

#### DWS model to identify outperforming markets

Given the positive demand and supply dynamics in the sector, student housing looks set for a strong run of rental growth. To identify which markets are most likely to outperform, we have put together a scoring model to compare 73 European markets across 15 different variables.

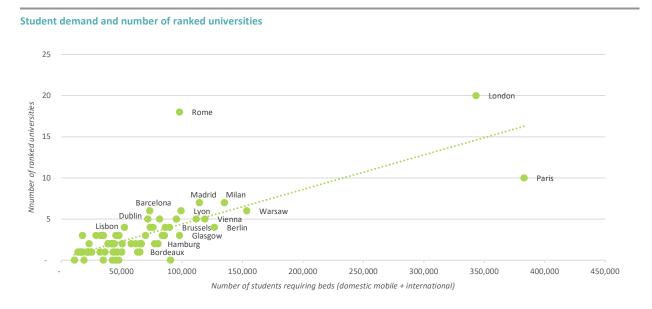
Demand (50%)	Supply (30%)	Investment Appeal (20%)
Growth in international student numbers	Provision rate (beds/domestic mobile+international students)	Historic transaction volumes
Growth in domestic student numbers	Pipeline of beds	Overall market liquidity
umber of students (domestic and international)	Vacancy rate of residential market	Currency risk
Number and ranking of universities	Relative cost of student housing compared to private rented sector	Summer hotel income potential
Future demographic trends		
Cost of tuition		
Cost of living		

Source: BONARD, September 2023; RCA, November 2023; Green Street, October 2023; QS Universities, October 2023; Oxford Economics, October 2023; STR, October 2023; Numbeo, October 2023

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#### 2.1. Demand

The factor given most weight in our scoring model is demand. This is largely determined by the quality and quantity of universities on offer. Not only do high quality universities attract more domestic mobile students, they can also draw from overseas.



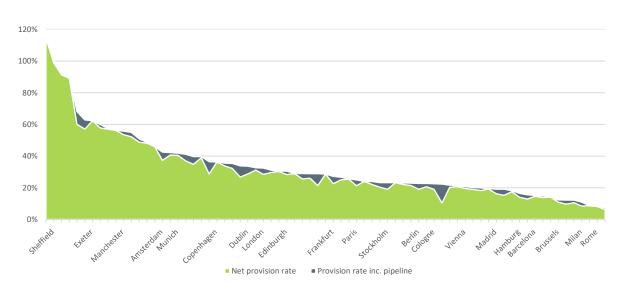
Source: BONARD, September 2023

In addition, educational attainment levels are still growing across much of Europe, albeit at a slower pace today than in the past 20 years. Southern and Eastern Europe in particular have a smaller proportion of the population achieving a university degree than the European average and are now catching up. Not only is there room for growth in Europe, but tertiary attainment rates continue to increase rapidly in countries with large populations such as India where a few percentage points of growth result in millions of additional students. The growth in educational attainment in India has resulted in intense competition for university places to the extent that The University of Delhi has a lower acceptance rate than Harvard. In this context, it is not surprising that India is one of the fastest-growing exporters of students to the U.K.

Demographic trends are also a supporting factor of student demand, although this is not true for every European country. The U.K, Sweden, Spain, and Poland still have strong growth in the number of 15-24 year-olds over the next decade. Most other European countries have some growth, while the Netherlands, Denmark, and Portugal are forecast to see numbers of domestic students decline.<sup>2</sup> Attracting international students by offering English-taught programmes will be important for universities in these markets to sustain student numbers.

#### 2.2. Supply

The other main part of the equation is supply. With the exception of a handful of UK markets, most of Europe lacks supply of student housing to meet demand. In Italy, Poland, Portugal, and Spain, the issue is particularly acute. In Milan in early 2023 there were even student protests against the exorbitant rental prices students faced in the city.



Provision rate, total beds as % of students requiring accommodation (international + domestic)

Source: RCA. October 2023

#### 2.3. Investment appeal

The final area to consider is liquidity. In 2013, investment into student housing in Europe totalled €3.5 billion but by 2022, this figure was over €15 billion. While this still only represents 5% of overall real estate investment volumes, the growth is significant. A major source of this development in the market has been the growth in investment opportunities in European markets outside the UK. Ten years ago, the UK represented over 80% of investment volumes into the student housing sector in Europe. By 2022, this figure had fallen to two thirds of the total, despite a rise in total UK volumes.





Source: RCA, October 2023

The growth in investment, however, does not guarantee liquidity. Beyond the UK, most European markets do not have a track record of investment going back more than 5 years. It is therefore important to consider the level of liquidity across all real estate sectors in each market as a way to assess whether there is significant depth of investor demand to assess this risk.

#### 3. Results

The results from the scoring showed that gateway cities in Germany combine a lack of supply with a high quality of educational offering and long track record of investment. The UK, Ireland, and Southern Europe also performed well in the analysis due to the chronic lack of supply.

Overall Results			_
Country	Primary Target Markets	Secondary Target Markets	
Germany	Berlin	Hamburg	
		Munich	
		Frankfurt	
UK & Ireland	London	Edinburgh	
		Dublin	
France	Paris	Lyon	
Italy	Milan	Rome	
Netherlands	Amsterdam	Rotterdam	

Source: BONARD, September 2023; RCA, November 2023; Green Street, October 2023; QS Universities, October 2023; Oxford Economics, October 2023; STR, October 2023; Numbeo, October 2023; QS Universities, October 2023; Oxford Economics, October 2023; STR, October 2023; Numbeo, October 2023; Street, October 2023; QS Universities, October 2023; Oxford Economics, October 2023; STR, October 2023; Street, October 2023; Stre

#### 3.1. Spotlight on...

#### 3.1.1. Hamburg

For international investors, Hamburg might not be an obvious pick as a promising PBSA market but a closer look reveals a combination of high quality universities and highly limited supply of accommodation. There are almost 30 universities in this city, two of which are ranked internationally. The top university in this city, the University of Hamburg, has expanded its offering of English-taught Masters. These can be taken as a two or one-year course and have attracted an increasing number of international students requiring accommodation for a shorter study period. In addition, at least half of the over 110,000 students in this city have come from other parts of Germany and require accommodation. The small number of beds available mean that Hamburg has the lowest provision rate of the cities we analysed in Germany. Availability in the private rented sector is low, suggesting the conditions are right for strong rental growth for PBSA.

#### 3.1.2. Milan

Milan performed well in the scoring analysis largely because of a massive demand/supply imbalance in this market. The city is home to over 30 universities, seven of which are internationally renowned. The growth of English-taught programmes at these universities has helped attract international students from a wider range of countries, fuelling strong growth in student numbers. While the current offering of PBSA is both limited in quantity and quality, schemes can charge high prices as students have such limited options. A new generation of student housing is slowly emerging, but so far the high price point of these schemes is doing little to address affordability issues for most students. There is therefore a significant gap in provision at a lower price point of the market. With yields for student housing at around 5.5% (although there is limited market evidence at present), we estimate levered IRRs (post tax) in excess of 7% over a 10-year hold.

#### 3.1.3. Madrid

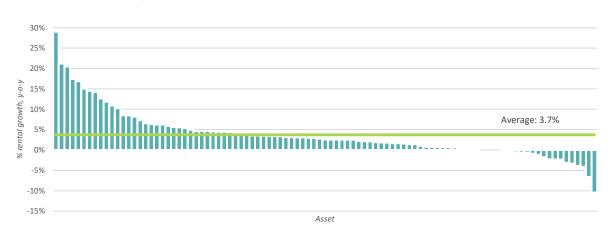
In addition to being one of the most popular destinations for ERASMUS students, universities in Madrid have the benefit of being able to attract students from Latin America who comprise the largest group of non-European students. Over 50 universities in total are located in Madrid, seven of which are internationally renowned, drawing a high proportion of domestic mobile as well as international students. The total student population is over 270,000, approximately half of whom have come from other parts of Spain or

abroad and require housing. The number of beds is just under 20,000 at present, so the student to bed ratio is about 1:5. In addition, the private rented sector in Madrid is supply constrained and finding affordable accommodation can be a challenge, so there is ample scope to expand supply of PBSA.

The Spanish student housing market is unique in many ways. Religious orders play a significant role in providing student housing and, while the accommodation is relatively cheap, segregation of male and female student accommodation and curfews are common. Most students will live at home during their studies and for those who study outside their home region, catering is expected as part of the accommodation package. The international student population, on the other hand, is less likely to require catering. Getting the mix of services and amenities right for the target student group is therefore a key element of success in this market.

#### 4. Importance of Microlocation and Operating Strategy

While the scoring model can tell us which markets are most attractive overall, the complexity of operating student housing and the paramount importance of location can result in a wide range of performance on an asset-by-asset basis.





Each bar represents each asset for which BONARD has data. Source: BONARD, September 2023

Rental growth is difficult to generate when an asset is further away from the university than competing schemes. How this plays out in different cities is a topic for further analysis. As a general rule, the closer to campus, the more demand, allowing operators to achieve high occupancy rates and drive rental growth when rooms become scarce. However, an unsophisticated operator can book out a scheme too quickly, missing out on rental growth that could have been captured by saving some rooms for booking later in the cycle. Choosing the right microlocation, the right operator, and the right incentive structure for that operator are therefore key in fulfilling the rent growth potential of an asset.

#### 5. Summary and Conclusion

Student housing is once again proving its resilience through an economic downcycle. Having analysed as large a sample as possible of European student housing markets, we are now able to target specific markets which we believe are likely to offer the most attractive return on investment. Germany is one example. Existing stock often fails to meet expectations of international students who are attracted by the excellence of the educational offering available. With a clear view on which markets offer most opportunity and a strategy for expanding institutional stock, this market could deliver strong returns. Despite being a mature market for student housing, there is still room in the UK for rental outperformance in certain cities. Select markets in France such as Paris and Lyon also look attractive. Spain and Italy are most acutely undersupplied, particularly at the affordable end of the market.

In deploying capital in these markets, it will be important not to compromise on microlocation and operator choice as these two elements can define the performance of the asset on a long term basis.

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