

Housing market developments – 1st quarter 2020

Strong house price growth outside the Randstad

Average house prices increased in the province of Groningen with 9.4% year on year. The municipality Groningen is currently registering the second fastest growth of all the municipalities in the Netherlands with 10.3%. The two largest cities, Amsterdam and Rotterdam, show average house price increases of respectively 5.8% and 10.8%. The Hague and Utrecht show average house price increases of respectively 8.8% and 7.1.

Transactions remain stable and number of homes for sale drops

The annual number of sales increased in five years from 137 thousand to 272 thousand houses. The number of homes for sale continues to decline. The ratio between the number of sales and supply has reached a factor 0.3 (sales > supply).

Housing affordability improves

On average, 13.5% of net household income was required to service housing costs, in 2008 the housing affordability peaked with 27.0%. The relatively good affordability is mainly the result of the current low mortgage interest.

Content WOX:

| Introduction | 1 |
|-------------------------------|----|
| House prices and development | 2 |
| Segment analyses and forecast | 3 |
| House prices by region | 4 |
| Affordability | 5 |
| House sales | 6 |
| Market liquidity | 8 |
| Mortgage market | 11 |
| Foreclosures | 11 |
| Dutch housing market summary | 13 |
| Appendices | 14 |

CALCASA INDEXES 2020 Q1

| Calcasa House Price Index (WOX) (1995Q1=100) | 344 |
|---|-------|
| Calcasa WOX Top 15 Cities Index (1995Q1=100) | 403 |
| Residential price change | |
| WOX price change (year-on-year) | 7.2% |
| WOX price change (quarter-on-quarter) | 2.7% |
| WOX price change corrected for inflation (year-on-year) | 4.5% |
| House price forecast | |
| Yearly price change 2020 Q2 | 7.9% |
| Quarterly price change 2020 Q2 | 1.6% |
| Housing affordability | |
| Affordability index | 13.5% |
| Yearly change in housing affordability | 9.2% |
| Quarterly change in housing affordability | 13.1% |
| Transactions | |
| Number of transactions on a yearly basis (x 1,000) | 272 |
| Yearly change in the number of transactions | 4.8% |
| Quarterly change in the number of transactions | 2.0% |
| | |

^{*}Housing stock January 1st, 2020, municipal reclassification 2019

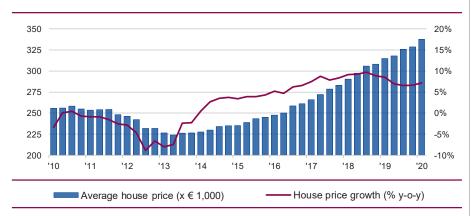
Table 1

Calcasa key numbers Q1 2020 Source: WOX Monitor Calcasa



Average house price keeps rising

- The WOX (1995 = 100) currently stands at 344 points.
- Average house price: 337 thousand euro.
 - » Q-O-Q price development: +2.7%.
 - » Y-O-Y price development: +7.2%.
- The current Dutch inflation rate is 2.7% (which is the average rate for Q1 2020 according to Statistics Netherlands). In the first quarter of 2020, inflation-adjusted house prices rose by 4.5% y-o-y.



- Average price of a single-family house: 353 thousand euro.
 - » Q-O-Q price development of single-family houses: +2.5%.
 - » Y-O-Y price development of single-family houses: +6.7%.
- Average price for apartments: 296 thousand euro.
 - » Q-O-Q price development of apartments: +3.4%.
 - » Y-O-Y price development of apartments: +8.7%.

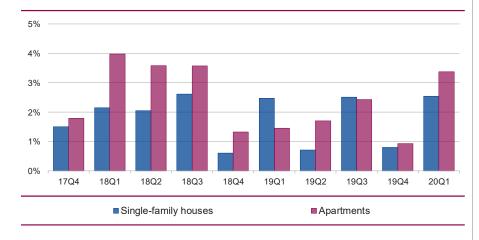


Figure 1

Average house price (x EUR1,000) and yearly price change per quarter in the Netherlands.

Source: WOX Monitor Calcasa

Figure 2

Q-O-Q price change per housing type in the Netherlands.

Source: WOX Monitor Calcasa



Highest price increase for less than 150,000 euro class

- Based on house price levels, Calcasa has divided the market into five price classes. Homes in the price class less than 150 thousand euros performed best with an annual average house price rise of 9.7%.
- The most expensive houses worth 500k or more increased the least in value; over the past year these homes increased in value by 4.1%.

| Price development y-o | |
|-----------------------|--|
| 9.7% | |
| 8.9% | |
| 7.5% | |
| 6.1% | |
| 4.1% | |
| 7.2% | |
| | |

Older apartments show biggest price increase

- The value of apartments saw the biggest price growth in the past year; their average price rose by 8.6%.
- Apartments built between 1945 and 1979 are registering the fastest growth. Their value increased by 9.1% in the past year.

Development (y-o-y) Construction year

| Housing type | <1944 | 1945-1979 | >1980 | >2000 | Total |
|-----------------------|-------|-----------|-------|-------|-------|
| (semi) detached | 6.2% | 6.2% | 6.5% | 5.6% | 6.2% |
| Terraced/corner house | 6.9% | 7.2% | 7.4% | 6.2% | 7.0% |
| Apartment | 8.1% | 9.1% | 8.3% | 8.9% | 8.6% |
| Total | 7.3% | 7.6% | 7.4% | 7.2% | 7.2% |

Forecast house price development in Q2 2020

Q-O-Q price change: +1.6%.

Y-O-Y price change: 7.9% (Q2 2019 - Q2 2020).
 Y-O-Y price change single-family homes: 7.6%.

» Y-O-Y price change apartments: 8.5%.

Calcasa publishes region-specific house price forecasts for four specific areas of the Netherlands, reflecting the diversity and variety displayed across the region.

Western part: 7.8%
Eastern part: 7.4%
Northern part: 8.2%
Southern part: 8.2%

Table 2a

Netherlands - price development per price class and transaction distribution over the last year.

Source: Calcasa

Table 2b

Netherlands - annual price development per construction year and housing type.

Source: Calcasa



Strong house price growth in Groningen

- Average house prices increased the most in the province of Groningen, with an annual increase of 9.4% in value.
- Apartments in South-Holland and Friesland are in demand, with values going up by 10.8% and 10.7% respectively.
- The lowest price increase was measured for houses in the provinces of North-Holland (6.3%) and Zeeland (6.4%).

| | Average price | Average price | Price change |
|-----------------|---------------|---------------|----------------|
| Q1 2020 | single-family | apartments | (year-on-year) |
| | houses | | |
| Groningen | 245,000 | 236,000 | 9.4% |
| Friesland | 270,000 | 227,000 | 6.7% |
| Drenthe | 280,000 | 207,000 | 7.9% |
| Overijssel | 296,000 | 294,000 | 7.2% |
| Flevoland | 242,000 | 211,000 | 7.9% |
| Gelderland | 341,000 | 239,000 | 6.5% |
| Utrecht | 486,000 | 317,000 | 7.4% |
| North-Holland | 456,000 | 420,000 | 6.3% |
| South-Holland | 391,000 | 272,000 | 8.1% |
| Zeeland | 250,000 | 238,000 | 6.4% |
| North-Brabant | 354,000 | 262,000 | 6.7% |
| Limburg | 269,000 | 205,000 | 7.5% |
| The Netherlands | 353,000 | 296,000 | 7.2% |

Table 3

Average price and y-o-y price development on province level Source: WOX Monitor Calcasa

Overig Groningen fastest growing region

- The largest annual price increase of 9.7% is measured for houses in the NUTS III region of Overig Groningen. In this region the value of single-family homes rose by 8.6% and the value of apartments by 12.1%.
- Second-largest annual price increase is seen in the NUTS III region Groot-Rijnmond with an annual growth rate of 9.5%, here the value of singlefamily homes rose by 8.1% and the value of apartments by 11.8%.
- The NUTS III regions with the smallest price increases are Delft en Westland (4.4%) and Haarlem (5.4%).
- In 12 of the 40 NUTS III regions the annual increase for houses prices is more than 8%.



Housing affordability

On average, 13.5% of net household income was required to service housing costs in the first quarter of 2020, compared to mid-2008 when housing costs represented 27.0% of net income.

- Q-O-Q change in net housing costs: -13.1%.
- Y-O-Y change in net housing costs: -9.2%.



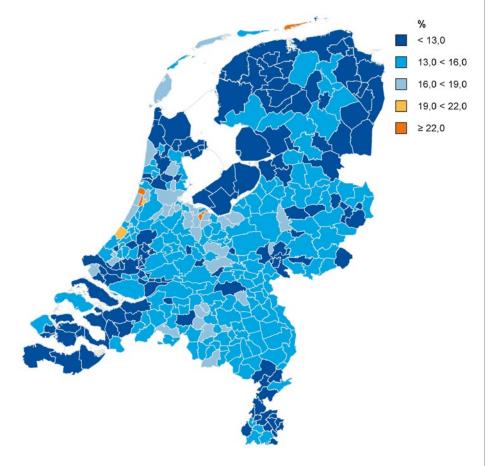


Figure 3

Housing affordability index* (in % of household income) in the Netherlands. Source: WOX Monitor Calcasa

Figure 4

Affordability index per municipality (in %). Source: WOX Monitor Calcasa

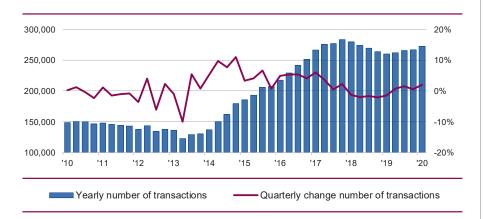
*The index measures the affordability of Dutch owner-occupied houses. It is calculated taking into account net housing costs, current average mortgage costs (current interest rate, maintenance costs, local taxes and fiscal treatment.



Number of sales

The annual number of transactions has increased. 272 thousand residential properties were sold during the past year.

- Y-O-Y development, number of annual sales: +4.8%.
- Q-O-Q development, number of annual sales: +2.0%.



Number of sales by housing type

- Transactions of semi-detached houses increased with 9.1% in the last quarter. Transactions of corner houses increased with 8.5%.
- Apartments sales increased the least this quarter with 0.6% year-on-year. This is partly caused by a shrinking supply of apartments.

Transaction development y-o-y

| Haveley tops | 204004 | 204000 | 204002 | 204004 | 202004 |
|----------------|--------|--------|--------|--------|--------|
| Housing type | 2019Q1 | 2019Q2 | 2019Q3 | 2019Q4 | 2020Q1 |
| Detached | -2.1% | 0.5% | 2.7% | 3.3% | 6.1% |
| Semi-detached | -4.8% | -0.4% | 3.2% | 6.3% | 9.1% |
| Corner house | -5.5% | -2.2% | 1.0% | 3.4% | 8.5% |
| Terraced house | -7.3% | -5.7% | -2.7% | 0.2% | 4.4% |
| Apartment | -11.6% | -9.0% | -6.0% | -2.8% | 0.6% |
| Total | -7.1% | -4.5% | -1.4% | 1.2% | 4.8% |
| Total | -7.1% | -4.5% | -1.4% | 1.2% | 4.8% |

Figure 5

Number of annual sales* and y-o-y change in number of sales in the Netherlands.

Source: Statistics Netherlands, Land Registry, adaptation by Calcasa

* Calcasa shows the number of housing sales on an annual basis for a reliable picture of the long term trend (corrected for seasonal effects).

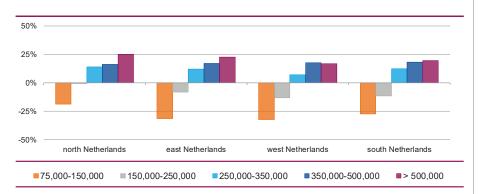
Table 4

Y-o-y transaction development by period and property type Source: WOX Monitor Calcasa



Sales in expensive price class increased

- The sale of homes in the price range 350 to 500 thousand euros increased by 17.3% in the past year, whilst homes above 500 thousand euros increased by 18.2%.
- Especially in the east (22.5%) and in the north (25.1%) of the Netherlands more expensive homes (>500 thousand euros) were sold.
- In the south the highest increase in sales was measured for houses in the price range above 500 thousand euros (19.4%).
- The lowest price segment (75 to 150 thousand euros) decreased the most in the western part of the Netherlands by 32.4%.



33% of housing sales within 150 to 250 thousand euros

- In the past year 33% of housing sales were within the price class of 150 to 250 thousand euros.
- The percentage of transactions in the price class 75 to 150 thousand euros decreased in four years time from 23% to 8%.
- The price segment 350 to 500 thousand euros increased in four years time from 9% to 18%.
- 12% of housing sales were within the price class of 500 thousand euros or more. Four years ago this was 6%.

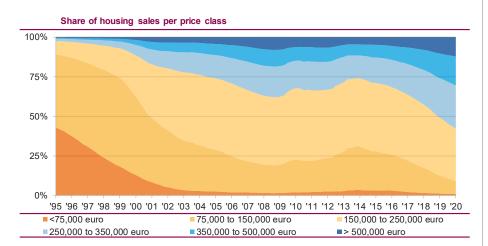


Figure 6

Growth (%) of share of housing sales per price class in North, East, West and South Netherlands in Q1 2020 compared to Q1 2019

Source: WOX Monitor Calcasa

Figure 7

Share of housing sales per price class Source: WOX Monitor Calcasa



Groot-Amsterdam highest market liquidity

- In the NUTS III region Groot-Amsterdam 7.2% of the housing supply was sold during the past year. The regions of The Hague and Groot-Rijnmond follow with 7.1% and 6.9% respectively.
- The NUTS III region Noord-Limburg had the lowest market liquidity: 5.1%.

| | Percentage | | Percentage |
|------------------|-------------------|------------------------|-------------------|
| | of housing supply | | of housing supply |
| NUTS III region | sold last year | NUTS III region | sold last year |
| Groot-Amsterdam | 7.2% | Noord-Limburg | 5.1% |
| 's-Gravenhage | 7.1% | Midden-Limburg | 5.3% |
| Groot-Rijnmond | 6.9% | IJmond | 5.4% |
| Flevoland | 6.9% | Zuid-Limburg | 5.5% |
| Overig Groningen | 6.8% | Twente | 5.6% |
| Oost-Groningen | 6.6% | Achterhoek | 5.6% |
| Zuidwest-Drenthe | 6.6% | Leiden en Bollenstreek | 5.6% |
| Veluwe | 6.6% | Delft en Westland | 5.7% |
| Overig Zeeland | 6.6% | Noord-Drenthe | 5.8% |
| Noord-Friesland | 6.5% | Zuidwest-Overijssel | 5.8% |

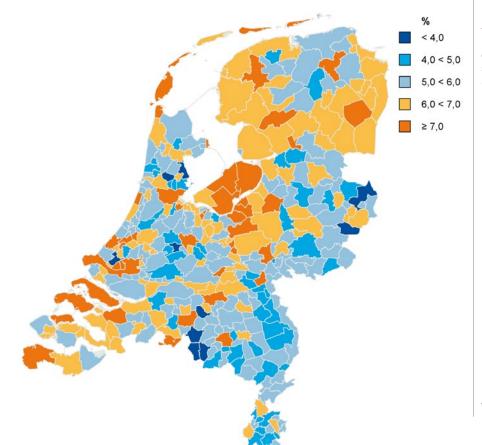


Table 5

Top 10 NUTS III regions with highest and lowest percentage of housing supply sold last year

Source: WOX Monitor Calcasa

Figure 8

Market liquidity: sold homes as percentage of total number of owner occupied housing stock for previous year per municipality Source: WOX Monitor Calcasa



Market liquidity: number of sales surpassed supply

- The annual ratio of houses for sale vs. sold has decreased to 0.3. This is an improvement compared to last year when this ratio was still 0.4.
- The annual number of houses sold: 272 thousand.
 - » Y-O-Y development: 4.8%
- Homes for sale in Q1 2020: 73 thousand
 - » Y-O-Y development: -20.2%
- The market liquidity is best in the municipality of Groningen with a factor of 0.16
- In the municipality of Wassenaar the market liquidity is highest (worst) with a factor of 0.61, followed by the municipality of Bladel with a factor of 0.50.





- The relationship between the supply of owner-occupied housing and total owner-occupied housing stock is also a component of market liquidity. The percentage of the total owner-occupied housing stock that sold last year is 6.2% for the Netherlands.
 - o The percentage of family homes sold previous year: 6.5%.
 - The percentage of apartments sold previous year: 5.5%.
- The share of owner occupied housing stock which was sold last year is highest in the city of Zeewolde with 10.3%.
- In the municipality of Edam-Volendam only 3.3% of the existing stock of owner-occupied homes has changed owners.

Figure 9a

Annual number of properties for sale versus number of properties sold over the period 2014-2020 in the Netherlands.

Source: Multiple real estate agents, adaptation Calcasa

Figure 9b

Annual number of properties for sale versus number of properties sold over the period 2040-2020 in the Randstad.

Source: Multiple real estate agents, adaptation Calcasa

CALCASA® Member of the European AVM Alliance

The WOX® Quarterly Q1 2020

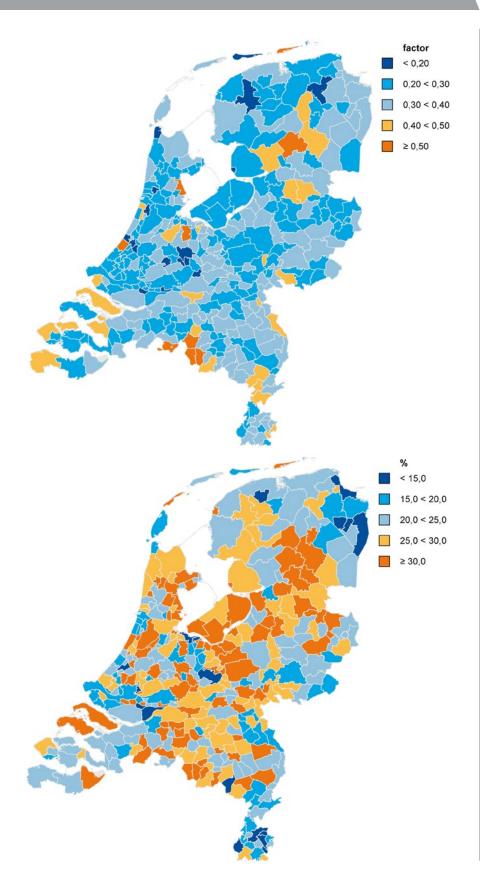


Figure 10

Supply/Sales ratio all properties per municipality

Source: WOX Monitor Calcasa

Figure 11

Percentage of properties with energy label A per municipality

Source: WOX Monitor Calcasa



Mortgage approvals

Approximately 394 thousand mortgages were approved last year.

- Y-O-Y development, number of annual mortgages: 13.4%.
- Q-O-Q development, number of annual mortgages: 4.7%.



Figure 12

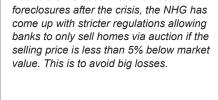
Number of mortgages Source: Statistics Netherlands, Land Registry and adaptation Calcasa

Number of foreclosures

Over the last four quarters, 444 foreclosures have been registered by the land registry.

- o Y-O-Y development amount of annual foreclosures: -30.4%.
- o Q-O-Q development amount of annual foreclosures: -10.8%.
- The share of foreclosure sales versus total sales is 0.2%.
- The highest share of foreclosure sales to total sales is 1.9% in the municipality of Nederweert.
- 184 municipalities had no foreclosure sales in the past year. The largest municipality without foreclosure sales is Meierijstad.

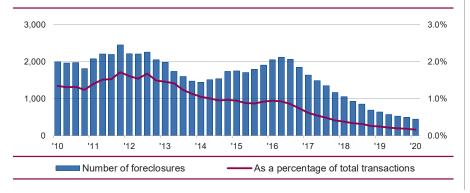
Note that many foreclosed properties will be sold via the public market and not via auction. The reason is that proceeds of a sale of a home through a forced auction can be up to 40 percent less compared to a sale via the public market.



Due to the increase in the number of



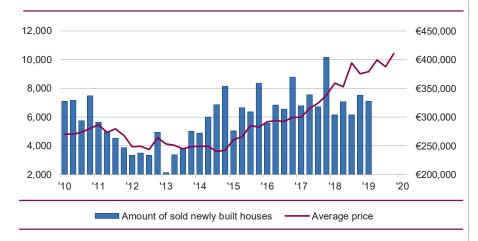
Number of yearly foreclosures and amount of foreclosures as a % of the total number of transactions in the Netherlands. Source: Statistics Netherlands, Land Registry and adaptation Calcasa





Average price newly built homes increased

- In the first quarter of 2019 the total amount of sales for newly built homes was 7 thousand. This is a increase of 15.4% year-on-year.
- During the fourth quarter of 2019 the average price for newly built houses was 411 thousand euros. This is an increase of 9.4% compared to a year ago.



Amount of households in arrears decreased

- Since 2015 the number of homeowners with payment problems decreased with 38%.
- Currently there are 70 thousand homeowners who have difficulty paying their mortgage: this is a decrease of 12.5% compared to a year ago.

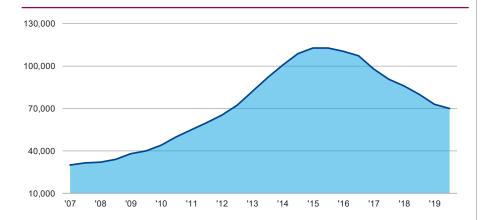


Figure 14

Average sales price for newly built houses per quarter in the Netherlands compared to the quarterly amount of newly built houses sold.

Source: CBS

Figure 15

Number of borrowers with mortgage payment arrears

Source: BKR

CALCASA® Member of the European AVM Alliance

The WOX® Quarterly Q1 2020

Dutch Housing Market Summary Amsterdam 433,000 61,000 470,220 11,849 9.021 Rotterdam 311.000 87.000 225.000 34% 64% 644,620 324,540 The Hague 257,000 59,000 198,000 42% 56% 537,830 263,370 8,295 67,000 84,000 45% 54% 352,870 5,363 Utrecht 151,000 180,370 Groningen 113,000 46,000 67,000 42% 57% 231,300 135,080 3,943 Eindhoven 109.000 67.000 43.000 45% 54% 231.640 119.540 3.777 Provinces Groningen 277,000 183.000 94.000 55% 44% 583.990 293,740 10.126 2.551 243,000 11,594 221,000 182,000 33% 8,978 38,000 65% 492,170 217,830 2,783 Drenthe 500.000 384.000 38% 503,840 17.398 4.673 116.000 60% 1.156.430 Overiissel Flevoland 166,000 132.000 34.000 64% 35% 416.550 173.590 7.284 1.661 Gelderland 894 000 676.000 218 000 60% 39% 2.071.970 923 360 33 034 9 213 Utrecht 572,000 365,000 207,000 58% 41% 1,342,160 604,570 20,359 5,020 North-Holland 1,318,000 670,000 648,000 50% 49% 1,362,850 43,264 11,034 South-Holland 1,663,000 824,000 839,000 51% 48% 3,673,890 1,701,650 55,079 13,720 Zeeland 185,000 151,000 34,000 65% 34% 383,030 175,080 7,956 2,443 North-Brabant 1,116,000 847,000 269,000 61% 38% 1,146,310 40,567 11,612 2,544,810 Limburg 529.000 390,000 139.000 60% 39% 1.116.140 529.710 16.847 5.421 7,741,000 5,047,000 2,694,000 57% 42% 17,282,160 7.924.690 272,486 73,260

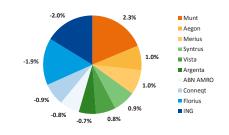




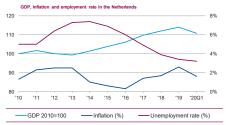
Mortgage developments

| Amount | Change |
|---------|-----------------------------------|
| 24,200 | 8.0% |
| 92 | -47.1% |
| 70,000 | -12.5% |
| 393,519 | 13.4% |
| 723B | 1.3% |
| | 24,200 92 70,000 393,519 |





Macro-economic figures



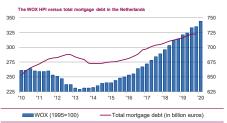


Table 6

Key figures for the Dutch housing market Source: Statistics Netherlands, Land Registry

Figures 16 & 17

Source figure left: Statistics Netherlands Source figure right: Calcasa

Table 7 & Figure 18

Source table left: Statistics Netherlands, NHG, BKR, Land Registry Source figure right: Calcasa, IG&H

Figures 19 & 20

Source figure left: DNB, Statistics Netherlands Source figure right: Calcasa, Statistics Netherlands



Appendices

| | | | | | All |
|---------------|----------|----------|---------|----------|---------------|
| Provinces | Detached | Semi- | Corner | Terraced | single-family |
| | houses | detached | houses | houses | dwellings |
| Groningen | 275,000 | 226,000 | 203,000 | 201,000 | 245,000 |
| Friesland | 314,000 | 229,000 | 194,000 | 175,000 | 270,000 |
| Drenthe | 354,000 | 249,000 | 209,000 | 185,000 | 280,000 |
| Overijssel | 407,000 | 269,000 | 242,000 | 221,000 | 296,000 |
| Flevoland | 495,000 | 320,000 | 251,000 | 233,000 | 242,000 |
| Gelderland | 481,000 | 332,000 | 283,000 | 248,000 | 341,000 |
| Utrecht | 771,000 | 532,000 | 397,000 | 366,000 | 486,000 |
| North-Holland | 618,000 | 497,000 | 389,000 | 347,000 | 456,000 |
| South-Holland | 606,000 | 458,000 | 352,000 | 324,000 | 391,000 |
| Zeeland | 350,000 | 240,000 | 209,000 | 194,000 | 250,000 |
| North-Brabant | 518,000 | 348,000 | 300,000 | 267,000 | 354,000 |
| Limburg | 386,000 | 251,000 | 234,000 | 215,000 | 269,000 |
| Netherlands | 460,000 | 339,000 | 305,000 | 285,000 | 353,000 |

Table 8

Average house price for single-family dwellings, per property type and per province in the Netherlands (in euros). Source: Calcasa

| | | | | Up/ |
|-----------|-------|---------|---------|------------|
| Provinces | Porch | Gallery | Maison- | downstairs |

| | flat | flat | nette | apartment | apartments | |
|---------------|---------|---------|---------|-----------|------------|--|
| Groningen | 207,000 | 184,000 | 200,000 | 212,000 | 236,000 | |
| Friesland | 207,000 | 172,000 | 182,000 | 190,000 | 227,000 | |
| Drenthe | 211,000 | 184,000 | 185,000 | 215,000 | 207,000 | |
| Overijssel | 192,000 | 189,000 | 208,000 | 206,000 | 294,000 | |
| Flevoland | 256,000 | 214,000 | 232,000 | 206,000 | 211,000 | |
| Gelderland | 228,000 | 201,000 | 222,000 | 247,000 | 239,000 | |
| Utrecht | 293,000 | 256,000 | 306,000 | 319,000 | 317,000 | |
| North-Holland | 301,000 | 273,000 | 357,000 | 393,000 | 420,000 | |
| South-Holland | 237,000 | 225,000 | 267,000 | 272,000 | 272,000 | |
| Zeeland | 264,000 | 270,000 | 212,000 | 221,000 | 238,000 | |
| North-Brabant | 259,000 | 224,000 | 248,000 | 259,000 | 262,000 | |
| Limburg | 202,000 | 180,000 | 206,000 | 207,000 | 205,000 | |
| Netherlands | 248,000 | 228,000 | 273,000 | 304,000 | 296,000 | |

Table 9

ΑII

Average house price for apartments, per property type and per province in the Netherlands (in euros).

Source: Calcasa



| | Highest | | Lowest |
|---------------------|-----------------|-------------------|-----------------|
| | property values | | property values |
| Municipalities | (x 1,000) | Municipalities | (x 1,000) |
| Bloemendaal | 845 | Delfzijl | 176 |
| Wassenaar | 687 | Oldambt | 184 |
| Heemstede | 636 | Veendam | 194 |
| Gooise Meren | 566 | Heerlen | 197 |
| De Bilt | 534 | Kerkrade | 200 |
| Wijdemeren | 522 | Brunssum | 201 |
| Zeist | 501 | Leeuwarden | 203 |
| Bergen (NH.) | 493 | Terneuzen | 204 |
| Utrechtse Heuvelrug | 490 | Noardeast-Fryslân | 209 |
| Huizen | 484 | Waadhoeke | 210 |

| Municipalities | Highest | | Lowest annual price |
|------------------------|--------------|-----------------|---------------------|
| | annual price | | |
| | development | Municipalities | development |
| Rotterdam | 10.8% | Delft | 4.2% |
| Groningen | 10.3% | Midden-Delfland | 4.3% |
| Schiedam | 10.0% | Westland | 4.6% |
| Vlaardingen | 9.6% | Bloemendaal | 4.9% |
| Capelle aan den IJssel | 9.2% | Heemstede | 5.0% |
| Midden-Groningen | 9.2% | Tilburg | 5.1% |
| Maassluis | 9.1% | Leudal | 5.1% |
| Ridderkerk | 9.1% | Gooise Meren | 5.1% |
| 's-Gravenhage | 8.8% | Roerdalen | 5.2% |
| Venlo | 8.7% | Huizen | 5.2% |

Table 10

Top 10 highest and lowest property values, per municipality containing over 5,000 owner-occupied dwellings.

Source: Calcasa

Table 11

Top 10 highest and lowest price developments, per municipality with over 5,000 owner-occupied dwellings. Source: Calcasa

CALCASA® Member of the European AVM Alliance

The WOX® Quarterly Q1 2020

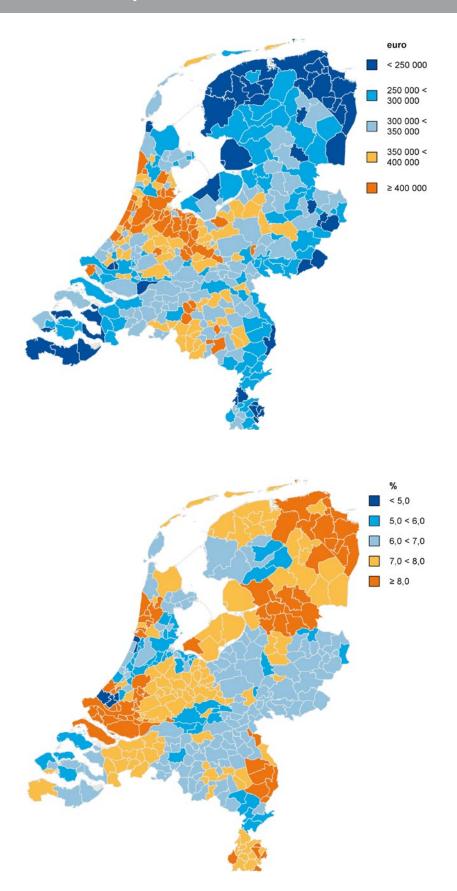


Figure 21

Average house price per municipality (EUR). Source: Calcasa

Figure 22

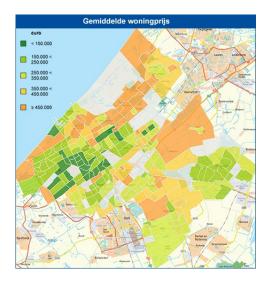
Year-on-year price change per municipality (%).

Source: Calcasa



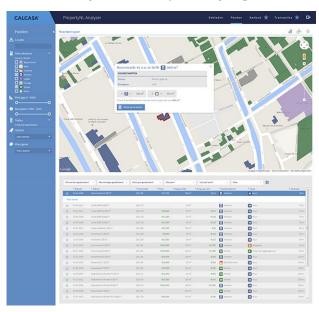
The WOX Monitor: All housing market data for every neighborhood

More information on price developments in various regional levels (neighborhood, municipality, province) is available via the WOX monitor.



Calcasa PropertyNL Analyzer

Analyzing the commercial real estate market is possible through the Calcasa PropertyNL Analyzer ("CPA"). CPA is an online application with information that is easily accessible for the office, retail and industrial markets. This tool increases the transparency in the property market. For more information contact Mr. Rogier van der Hijden: Rogier@Calcasa.nl





About Calcasa

Calcasa is an independent technology company specializing in the statistical analysis and valuation of real estate. The Calcasa Automated Valuation Model (AVM) for valuation of individual homes is unique due to its high coverage and accuracy. It is internationally recognized by the three major rating agencies and regulators. Mortgage lenders, investors, intermediaries, validation institutes, housing corporations, consumer organizations, real estate companies, broker organizations, government agencies and regulators rely daily on the solutions Calcasa. www.calcasa.co.uk

Calcasa WOX: A reliable house price index

Calcasa WOX is demonstrably the most reliable house price index in the Netherlands. Every quarter, Calcasa calculates a reliable house price index for each province, municipality, borough and neighborhood in the Netherlands. The house price index is calculated using the national data on transactions starting from 1993 and additional house and location characteristics from the database. The source data is screened for integrity, such that non-representative data is omitted for the index calculation. The developed methodology takes into account any over or under representation of sold properties, compared to the existing housing stock in that area. Unlike most house price indices, the Calcasa WOX does not simply calculate the coincidental development of sales for a specific area; rather it calculates the development of prices of the total housing stock.

European AVM Alliance (EAA)

Calcasa is a founding member of the EEA which was launched as a pan-European initiative at the end of 2012. The mission is to promote and standardize the usage of AVM's resulting in a consistent approach to automated valuations in Europe. Other members include Hometrack (UK), Eiendomsverdi (Norway), Värderingsdata (Sweden), CRIF (Italy), Tinsa (Spain), On-Geo (Germany) and On-Geo (Austria).

Calcasa

Koornmarkt 41
2611 EB Delft
The Netherlands
T 0031 15 214 88 34
Visit calcasa.co.uk for more information