

Press release: 12 980-008/23

# Construction costs in 2022 significantly above 2021

## In December, costs continued to decline in all construction sectors compared with the previous month of November 2022

Vienna, 2023-01-13 – The construction cost index for residential buildings was 10.1 % higher than in 2021, according to Statistics Austria. Costs in road construction rose by 17.3 %, in bridge construction by 11.6 % and in sanitary engineering by 12.8 % on average within one year.

“The cost of construction projects in 2022 was once again significantly higher than a year earlier. However, the pace of cost increases slowed at the end of the year: In December 2022, costs decreased in all construction sectors compared with November, after already being slightly lower in November than in the previous month,” says Statistics Austria’s Director General Tobias Thomas.

The construction cost index for construction for **residential buildings** averaged over **2022**, reached 121.6 index points. This represents an increase of 10.1 % over 2021. In comparison, the construction cost index of 2021 increased by 10.4 % over 2020. In **December 2022**, the construction cost index amounted to 120.2 points, representing an increase of 5.8 % in annual and a decrease of 0.7 % in monthly comparison.

Costs also rose in all civil engineering sectors. The index for **road construction** averaged over **2022**, increased to 126.7 index points (+17.3 % in annual comparison), the index for **bridge construction** changed to 127.5 points (+11.6 % over 2021), and the index for **sanitary engineering** reached at 121.5 points (+12.8 % in annual comparison).

In **December 2022**, the index for **road construction** reached 126.4 index points (+12.5 % in annual and -1.1 % in monthly comparison). The index for **bridge construction** increased to 123.5 points, which represents an increase of 4.8 % compared to December 2021 and a decrease by 1.6 % to November 2022. The index for **sanitary engineering** reached 121.9 points (+9.8 % in annual and -0.7 % in monthly comparison).

Compared to the year 2021, the product groups dominated by steel products recorded strong cost increases, which was particularly reflected in bridge construction. The costs for plastic products also rose significantly in annual comparison. In the sector of residential buildings, wood as well as polystyrene, foam boards were again considerable cost drivers. Material groups like diesel, fuels and bituminous mixes were significant cost drivers in the civil engineering sectors. In addition, there was a strong cost increase in the product group cast iron goods and pipes, which mainly influenced sanitary engineering.

Detailed results and further information on the construction cost index can be found on our [website](#).

**Table 1: Construction cost indices, overall costs, compared to previous year, base 2020**

| Month/Year    | Residential buildings |                      | Road construction |                      | Bridge construction |                      | Sanitary engineering |                      |
|---------------|-----------------------|----------------------|-------------------|----------------------|---------------------|----------------------|----------------------|----------------------|
|               | Index                 | Previous Year Period | Index             | Previous Year Period | Index               | Previous Year Period | Index                | Previous Year Period |
| January 2021  | 102.8                 | 3.3                  | 101.2             | 0.1                  | 103.9               | 3.6                  | 101.7                | 1.6                  |
| February 2021 | 103.9                 | 4.4                  | 102.3             | 1.6                  | 105.6               | 5.6                  | 102.7                | 3.0                  |
| March 2021    | 105.1                 | 5.6                  | 103.4             | 3.2                  | 106.7               | 7.2                  | 103.7                | 4.5                  |
| April 2021    | 106.9                 | 7.4                  | 105.5             | 6.0                  | 109.4               | 10.1                 | 104.9                | 5.7                  |
| May 2021      | 110.5                 | 10.3                 | 107.6             | 8.4                  | 114.3               | 14.5                 | 107.3                | 7.7                  |

| Month/Year                      | Residential buildings |                      | Road construction |                      | Bridge construction |                      | Sanitary engineering |                      |
|---------------------------------|-----------------------|----------------------|-------------------|----------------------|---------------------|----------------------|----------------------|----------------------|
|                                 | Index                 | Previous Year Period | Index             | Previous Year Period | Index               | Previous Year Period | Index                | Previous Year Period |
| June 2021                       | 112.4                 | 12.4                 | 108.8             | 9.5                  | 117.2               | 17.6                 | 109.0                | 9.1                  |
| July 2021                       | 113.7                 | 13.7                 | 110.0             | 10.2                 | 119.1               | 19.5                 | 110.0                | 9.8                  |
| August 2021                     | 114.4                 | 14.2                 | 110.1             | 10.2                 | 119.6               | 20.0                 | 110.1                | 9.8                  |
| September 2021                  | 114.2                 | 14.0                 | 110.4             | 10.7                 | 119.3               | 19.7                 | 110.3                | 10.1                 |
| October 2021                    | 113.9                 | 13.4                 | 111.9             | 12.0                 | 118.9               | 18.8                 | 110.8                | 10.4                 |
| November 2021                   | 113.7                 | 13.1                 | 112.7             | 12.8                 | 118.5               | 17.8                 | 111.0                | 10.6                 |
| December 2021                   | 113.6                 | 12.6                 | 112.4             | 12.1                 | 117.8               | 16.4                 | 111.0                | 10.2                 |
| Overall index 2021              | 110.4                 | 10.4                 | 108               | 8.0                  | 114.2               | 14.2                 | 107.7                | 7.7                  |
| January 2022                    | 115.0                 | 11.9                 | 113.9             | 12.5                 | 119.0               | 14.5                 | 112.9                | 11.0                 |
| February 2022                   | 115.8                 | 11.5                 | 115.1             | 12.5                 | 119.5               | 13.2                 | 114.0                | 11.0                 |
| March 2022                      | 121.1                 | 15.2                 | 125.8             | 21.7                 | 128.5               | 20.4                 | 119.9                | 15.6                 |
| April 2022                      | 124.0                 | 16.0                 | 128.2             | 21.5                 | 132.5               | 21.1                 | 121.8                | 16.1                 |
| May 2022                        | 125.9                 | 13.9                 | 129.4             | 20.3                 | 134.4               | 17.6                 | 124.2                | 15.8                 |
| June 2022                       | 124.4                 | 10.7                 | 130.0             | 19.5                 | 132.2               | 12.8                 | 124.4                | 14.1                 |
| July 2022                       | 123.4                 | 8.5                  | 130.7             | 18.8                 | 129.9               | 9.1                  | 124.4                | 13.1                 |
| August 2022                     | 122.7                 | 7.3                  | 130.5             | 18.5                 | 128.3               | 7.3                  | 123.7                | 12.4                 |
| September 2022                  | 122.9                 | 7.6                  | 131.5             | 19.1                 | 128.4               | 7.6                  | 124.0                | 12.4                 |
| October 2022                    | 122.4                 | 7.5                  | 130.7             | 16.8                 | 128.5               | 8.1                  | 124.4                | 12.3                 |
| November 2022 <sup>1</sup>      | 121.1                 | 6.5                  | 127.8             | 13.4                 | 125.5               | 5.9                  | 122.8                | 10.6                 |
| December 2022 <sup>1</sup>      | 120.2                 | 5.8                  | 126.4             | 12.5                 | 123.5               | 4.8                  | 121.9                | 9.8                  |
| Overall index 2022 <sup>1</sup> | 121.6                 | 10.1                 | 126.7             | 17.3                 | 127.5               | 11.6                 | 121.5                | 12.8                 |

Q: STATISTICS AUSTRIA.

1) preliminary results: t+75 final results.

**Table 2: Construction cost indices, overall costs, compared to previous month, base 2020**

| Month/Year         | Residential buildings |                 | Road construction |                 | Bridge construction |                 | Sanitary engineering |                 |
|--------------------|-----------------------|-----------------|-------------------|-----------------|---------------------|-----------------|----------------------|-----------------|
|                    | Index                 | Previous Period | Index             | Previous Period | Index               | Previous Period | Index                | Previous Period |
| January 2021       | 102.8                 | 1.9             | 101.2             | 0.9             | 103.9               | 2.7             | 101.7                | 1.0             |
| February 2021      | 103.9                 | 1.1             | 102.3             | 1.1             | 105.6               | 1.6             | 102.7                | 1.0             |
| March 2021         | 105.1                 | 1.2             | 103.4             | 1.1             | 106.7               | 1.0             | 103.7                | 1.0             |
| April 2021         | 106.9                 | 1.7             | 105.5             | 2.0             | 109.4               | 2.5             | 104.9                | 1.2             |
| May 2021           | 110.5                 | 3.4             | 107.6             | 2.0             | 114.3               | 4.5             | 107.3                | 2.3             |
| June 2021          | 112.4                 | 1.7             | 108.8             | 1.1             | 117.2               | 2.5             | 109.0                | 1.6             |
| July 2021          | 113.7                 | 1.2             | 110.0             | 1.1             | 119.1               | 1.6             | 110.0                | 0.9             |
| August 2021        | 114.4                 | 0.6             | 110.1             | 0.1             | 119.6               | 0.4             | 110.1                | 0.1             |
| September 2021     | 114.2                 | -0.2            | 110.4             | 0.3             | 119.3               | -0.3            | 110.3                | 0.2             |
| October 2021       | 113.9                 | -0.3            | 111.9             | 1.4             | 118.9               | -0.3            | 110.8                | 0.5             |
| November 2021      | 113.7                 | -0.2            | 112.7             | 0.7             | 118.5               | -0.3            | 111.0                | 0.2             |
| December 2021      | 113.6                 | -0.1            | 112.4             | -0.3            | 117.8               | -0.6            | 111.0                | 0.0             |
| Overall index 2021 | 110.4                 |                 | 108               |                 | 114.2               |                 | 107.7                |                 |
| January 2022       | 115.0                 | 1.2             | 113.9             | 1.3             | 119.0               | 1.0             | 112.9                | 1.7             |
| February 2022      | 115.8                 | 0.7             | 115.1             | 1.1             | 119.5               | 0.4             | 114.0                | 1.0             |
| March 2022         | 121.1                 | 4.6             | 125.8             | 9.3             | 128.5               | 7.5             | 119.9                | 5.2             |
| April 2022         | 124.0                 | 2.4             | 128.2             | 1.9             | 132.5               | 3.1             | 121.8                | 1.6             |

| Month/Year                 | Residential buildings |                 | Road construction |                 | Bridge construction |                 | Sanitary engineering |                 |
|----------------------------|-----------------------|-----------------|-------------------|-----------------|---------------------|-----------------|----------------------|-----------------|
|                            | Index                 | Previous Period | Index             | Previous Period | Index               | Previous Period | Index                | Previous Period |
| May 2022                   | 125.9                 | 1.5             | 129.4             | 0.9             | 134.4               | 1.4             | 124.2                | 2.0             |
| June 2022                  | 124.4                 | -1.2            | 130.0             | 0.5             | 132.2               | -1.6            | 124.4                | 0.2             |
| July 2022                  | 123.4                 | -0.8            | 130.7             | 0.5             | 129.9               | -1.7            | 124.4                | 0.0             |
| August 2022                | 122.7                 | -0.6            | 130.5             | -0.2            | 128.3               | -1.2            | 123.7                | -0.6            |
| September 2022             | 122.9                 | 0.2             | 131.5             | 0.8             | 128.4               | 0.1             | 124.0                | 0.2             |
| October 2022               | 122.4                 | -0.4            | 130.7             | -0.6            | 128.5               | 0.1             | 124.4                | 0.3             |
| November 2022 <sup>1</sup> | 121.1                 | -1.1            | 127.8             | -2.2            | 125.5               | -2.3            | 122.8                | -1.3            |
| December 2022 <sup>1</sup> | 120.2                 | -0.7            | 126.4             | -1.1            | 123.5               | -1.6            | 121.9                | -0.7            |

Q: STATISTICS AUSTRIA.

1) preliminary results: t+75 final results.

**Information on methodology:** In the base year of an index period, the mean annual index number is standardised to the value 100.0. This index period is defined as the base year. The mean index number of the construction cost index for the year 2020 is therefore 100.0.

**If you have any questions on this topic, please contact:**

Lukas Karbun. phone: +43 1 711 28-7432 | e-mail: [lukas.karbun@statistik.gv.at](mailto:lukas.karbun@statistik.gv.at)

**Media owner, producer and publisher:**

STATISTICS AUSTRIA | Federal Institution under Public Law | Guglgasse 13 | 1110 Vienna | [www.statistik.at](http://www.statistik.at)

Press: phone: +43 1 711 28-7777 | e-mail: [presse@statistik.gv.at](mailto:presse@statistik.gv.at)

© STATISTICS AUSTRIA