Travelling within Europe? Take the train!

At Leiden University, we are working hard to reduce our environmental impact. Travelling more sustainably is key, since business trips are a major contributor to our CO₂ emissions.

For work trips, we always take the train if our destination is up to 500km away or reachable in six hours. Many cities further away are also easily reached by train.

This map helps you to make greener travel choices. It tells you:

- Travel time by train from Leiden;
- CO₂ emissions for your trip;
- How a journey by plane compares.

Thank you in advance for choosing the train instead of flying! Every rail journey supports our goal of 25% fewer carbon emissions from business trips by 2027 (compared to 2019).

Simply click on your destination country to get started.

P.S. <u>Click here</u> to learn more about sustainability at Leiden University. Do you have questions or ideas for us? We'd love to hear from you! <u>duurzaamheid@leidenuniv.nl</u>



We want you to travel in the most sustainable way possible. The University therefore decided that trips of six hours or less must be taken by train rather than plane.







Sustainability at Leiden University

Sustainability is high on Leiden University's strategic agenda. Together with our employees and students, we are creating a work and study environment that both inspires people and has a positive impact on our world.

We integrate sustainability initiatives in our teaching, research and daily operations.

By making sustainability themes and issues part of our courses, we help students gain the knowledge and skills needed to contribute to the sustainability transition.

Through research, we contribute insights and solutions for a habitable world.

On campus, we are also taking action to cut waste, to recycle more, and to create green and biodiverse spaces – to name a few of many measures. By 2050, we aim to cut energy use in our buildings by 95% (compared to 1990).

Roll up your sustainable sleeves!

Travelling more sustainably, and less often, is one concrete way to help create a greener university. You can also:

- Read about our sustainability strategy on the university website.
- Follow the Leiden University Green Office on <u>Instagram</u> or <u>LinkedIn</u>. They host events and promote sustainability initiatives.
- Join the Sustainability Network on Teams. Connect with colleagues and students who are committed to sustainability.
- <u>Use our booking agency Uniglobe</u>, when you have to fly. Booking through Uniglobe means that the CO₂ emissions from your flight will be compensated and will be included in our annual sustainability report.





| P Destination | Time by train* | ? Transfers | CO ₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|--------------------------|-----------------|--------------------------|
| Austria | | | | | |
| Graz | 15h | 4 | 69kg | 4h 40m | 473kg |
| Innsbruck | 9h 40m | 3 | 66kg | 4h 25m | 403kg |
| Linz | 9h 48m | 2 | 60kg | 5h 50m 🚡 | 476kg |
| Vienna | 11h 9m | 2 | 66kg | 4h 40m | 471kg |
| Salzburg | 10h 6m | 3 | 61kg | 4h 30m | 415kg |



^{*} Train times from Leiden Central are based on the fastest train time.

Train journeys with transfer times of less than 5 minutes have been filtered out here.





[₫] Including **train** and/or **bus**

^{**} Flight times include travel to the airport, time for check-in and customs, and travel to the center from the airport in the destination country. For this reason, 3 hours has been added to the total flight time.

| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Belgium | | | | | |
| Antwerp | 1h 26m | 1 | 9kg | N/A | - |
| Brussels | 2h 4m | 1 | 10kg | 3h 45m | 233kg |
| Ghent | 2h 29m | 2 | 10kg | N/A | _ |
| Liège | 3h 8m | 2 | 13kg | N/A | _ |



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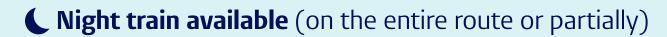




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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Czechia | | | | | |
| Prague | 11h 39m | 4 | 83kg | 4h 30m | 395kg |



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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Denmark | | | | | |
| Aarhus | 11h | 3 | 85kg | 5h 30m 🚡 | 331kg |
| Copenhagen | 11h 14m | 3 | 70kg | 4h 25m | 374kg |
| Kolding | 10h 42m | 3 | 74kg | 4h 5m | 327kg |
| Odense | 9h 59m | 4 | 64kg | 5h 45m 🚡 | 390kg |



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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|--------------------------------|-----------------|--------------------------|
| France | | | | | |
| Bordeaux | 7h 11m | 2 | 25kg | 4h 40m | 460kg |
| Brest | 8h 10m | 2 | 25kg | 6h 35m | 384kg |
| Cannes | 9h 10m | 2 | 30kg | 5h 30m | 478kg |
| Clermont-Ferrand | 8u 14m | 2 | 22kg | 6h 35m | 405kg |
| Lille | 2h 48 m | 2 | 12kg | N/A | - |
| Lyon | 6h 52m | 2 | 23kg | 4h 35m | 403kg |
| Marseille | 7h 52m | 2 | 27kg | 5h 5m | 479kg |
| Montpellier | 7h 55m | 2 | 26kg | 4h 50m | 475kg |
| Nantes | 7h 15m | 2 | 22kg | 4h 30m | 403kg |
| Nice | 10h 54m | 2 | 30kg | 5h | 476kg |
| Paris | 3h 35m | 1 | 17kg | 4h 20m | 304kg |
| Rennes | 6h 21m | 2 | 22kg | 4h 35m | 381kg |
| Strasbourg | 6h 34m | 2 | 23kg | 4h 10m | 324kg |
| Toulouse | 8h 36m | 3 | 29kg | 4h 50m | 482kg |

- Night train available
 (on the entire route or partially)
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| P Destination | Time by train* | Transfers | CO ₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|------------------|--------------------------|-----------------|--------------------------|
| Germany | | | | | |
| Berlin | 6h 42m | 1 | 58kg | 4h 20m | 362kg |
| Bielefeld | 4h 20m | 2 | 38kg | 5h 10m | 290kg |
| Bonn | 3h 47m | 2 | 25kg | n/a | - |
| Bremen | 5h 6m | 2 | 31kg | 3h 55m | 270kg |
| Dortmund | 3h 15m | 2 | 24kg | n/a | _ |
| Dresden | 9h 18m | 3 | 74kg | 4h 15m | 374kg |
| Düsseldorf | 2h 42m | 1 | 19kg | 3h 45m | 239kg |
| Essen | 2h 49m | 2 | 20kg | n/a | - |
| Frankfurt | 4h 34m | 2 | 35kg | 4h 5m | 295kg |
| Hamburg | 5h 50m | 2 | 37kg | 4h | 299kg |
| Hanover | 4h 58m | 1 | 35kg | 3h 55m | 285kg |
| Heidelberg | 5h 6m | 2 | 40kg | 5h 25m | 306kg |
| Cologne | 3h 30m | 1 | 21kg | N/A | - |
| Leipzig | 7h 55m | 2 | 57kg | 5h 40m 🚡 | 371kg |
| Munich | 7h 35m | 2 | 56kg | 4h 25m | 383kg |
| Münster | 3h 50m | 2 | 26kg | n/a | - |
| Nuremberg | 6h 49m | 2 | 27kg | 4h 15m | 346kg |
| Stuttgart | 5h 30m | 2 | 44kg | 4h 10m | 337kg |

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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|--------------------------------|-----------------|--------------------------|
| Hungary | | | | | |
| Budapest | 14h 42m | 3 | 84kg | 5h | 533kg |



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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Italy | | | | | |
| Bologna | 11h 39m | 5 | 84kg | 4h 45m | 480kg |
| Milan | 10h 14m | 4 | 40kg | 4h 40m | 429kg |
| Rome | 12h 48m | 5 | 112kg | 5h 10m | 572kg |
| Turin | 14h 59m | 3 | 35kg | 4h 40m | 428kg |

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^{**} Flight times include travel to the airport, time for check-in and customs, and travel to the center from the airport in the destination country. For this reason, 3 hours has been added to the total flight time.

| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Luxembourg | | | | | |
| Luxembourg | 5h 34m | 2 | 21kg | 4h | 280kg |



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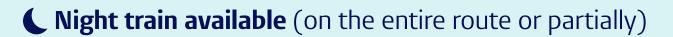




including **train** and/or **bus**

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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Poland | | | | | |
| Gdańsk | 13h 43m | 2 | 160kg | 4h 40m | 464kg |
| Kraków | 14h 45m | 2 | 178kg | 4h 50m | 505kg |
| Poznań | 10h 31m | 3 | 96kg | 4h 40m | 429kg |
| Warsaw | 13h 12m | 3 | 159kg | 4h 40m | 513kg |
| Wroclaw | 11h 44m | 2 | 121kg | 4h 40m | 437kg |



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including **train** and/or **bus**

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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Slovakia | | | | | |
| Bratislava | 12h 45m | 3 | 68kg | 5h 50m | 485kg |



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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Slovenia | | | | | |
| Ljubljana | 14h 49m | 3 | 73kg | 4h 45m | 475kg |



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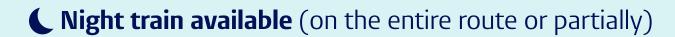




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| P Destination | Time by train* | ? Transfers | CO₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Spain | | | | | |
| Barcelona | 11h 16m | 2 | 38kg | 5h 20m | 555kg |
| Madrid | 14h 57m | 4 | 78kg | 5h 40m | 621kg |



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| P Destination | Time by train* | ? Transfers | CO ₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|--------------------------|-----------------|--------------------------|
| Sweden | | | | | |
| Gothenburg | 15h 37m | 5 | 91kg | 4h 30m | 412kg |
| Stockholm | 17h 46m | 4 | 93kg | 5h | 529kg |



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|----------------------|----------------|-------------|---------------------|-----------------|--------------------------|
| Switzerland | | | | | |
| Basel | 7h 17m | 2 | 54kg | 4h 20m | 352kg |
| Bern | 8h 18m | 2 | 57kg | 5h 20m 🚡 | 352kg |
| Geneva | 7h 15m | 2 | 25kg | 4h 30m | 388kg |
| Zürich | 8h 22m | 2 | 61kg | 4h 30m | 365kg |



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| P Destination | Time by train* | • Transfers | CO ₂ Emission | Time by plane** | CO ₂ Emission |
|----------------------|----------------|-------------|--------------------------|-----------------|--------------------------|
| United Kingdom | | | | | |
| Aberdeen | 11h 51m | 3 | 129kg | 4h 30m | 395kg |
| Bath | 7h 29m | 2 | 48kg | 4h 30m 🚡 | 343kg |
| Birmingham | 7h 23m | 3 | 47kg | 4h 15m | 317kg |
| Bristol | 6h 54m | 2 | 49kg | 4h 20m | 341kg |
| Cambridge | 5h 26m | 2 | 38kg | 4h 45m | 288kg |
| Cardiff | 8h 2m | 2 | 54kg | 4h 15m | 354kg |
| Edinburgh | 9h 20m | 2 | 95kg | 4h 30m | 383kg |
| Exeter | 8h 13m | 3 | 60kg | 5h 20m | 361kg |
| Glasgow | 10h | 2 | 102kg | 4h 35m | 399kg |
| Leeds | 7h 12m | 2 | 62kg | 4h 10m | 323kg |
| Liverpool | 8h | 2 | 63kg | 4h 25m | 341kg |
| London | 4h 32m | 1 | 29kg | 4h 20m | 285kg |
| Manchester | 7h 29m | 2 | 71kg | 4h 20m | 330kg |
| Newcastle | 7h 48m | 2 | 75kg | 4h 15m | 341kg |
| Norwich | 7h 18m | 3 | 50kg | 3h 50m | 257kg |
| Oxford | 6h 13m | 2 | 51kg | 5h 50m 🚡 | 295kg |
| Sheffield | 7h | 3 | 57kg | 5h 5m | 328kg |
| Southampton | 6h 47m | 4 | 42kg | 4h 10m | 319kg |
| York | 6h 48m | 2 | 67kg | 4h 30m | 327kg |

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