

UT TRAIN MAP EUROPE

Are you travelling for study, work – or just to visit new places? Do you want to travel comfortably, but limit your impact on the environment as much as possible?

This map shows what destinations can easily be reached by train instead of airplane – and how much CO_2 you save by choosing this option. The University of Twente encourages train travel and considers the train the default mode of travel for all blue coloured destinations.

Click on the city you want to travel to see a comparison of the travel time, number of transfers and $\rm CO_2$ -emissions for train, airplane, E-car and car.

Interested to know more about sustainability and sustainable mobility@UT, check out the <u>sustainability</u> website and the mobility page.

UNIVERSITY OF TWENTE.



DISCLAIMER

LEGEND

Blue = The train is the default mode of travel to these cities

- Green = The train is the recommended mode of travel to these cities
- Yellow = The train is a challenging mode of travel to these cities

ABOUT THE TRAIN MAP

Commuting and business travel together cause around 64% of the CO_2 -footprint of the University of Twente. Therefore, mobility is one of the priority areas to focus on for improving the sustainability of our organisation. The Train Map was developed as an easy-to-use guide to help members of our community reduce their footprint through travelling by train instead of flying.

The map shows the cities that members of the UT community regularly travel to. These cities are divided into three categories; cities where UT considers the train the default mode of travel, cities where the train is recommended, and cities where the train is considered a challenging option. The criteria for these options are detailed below.

The cities on the map are selected based on the number of times a work trip was booked through the University of Twente's travel agency, including locations where the UT has a partner institution (Erasmus, ECIU, CESAER, etc.). This list is not meant to be exhaustive, but it aims to give a good overview which locations you can reach by train.

CATEGORIES

Cities are categorized into three markers, based on the ease of travel to that city by train, according to the following criteria:

spoor

Train is the default mode of travel (blue marker):

- Travel distance is 800km maximum
- Travel duration is 8 hours maximum
- 3 train transfers maximum

Train is the recommended (green marker)

- Travel time by train is 12 hours maximum
- 4 train transfers maximum

Train is **challenging** (yellow marker)

• Train travel time is more than 12 hours

Some cities may be placed in a different category based on other considerations, for example, if it takes a little over 8 hours by train to reach a city but the train is still just as fast or faster than the plane, it will be placed in the blue category (example: Nantes). If there is a particularly good night train connection to a city, it will be placed in the green category even if the journey takes more than 12 hours (example: Vienna).

CALCULATION OF TRAVEL DURATION AND EMISSIONS

The calculated travel duration and carbon emissoins takes into consideration the aspects below:

- The CO₂ emissions in this document are calculated with <u>www.ecopassenger.org</u>, an online tool that compares the energy consumption, CO₂, and exhaust atmospheric emissions for planes, cars, and trains for passenger transport.
- The methodology of Ecopassenger to calculate emissions is based on internationally-accepted, evidence-based standards. For more information, please see the Ecopassenger Methodology Report.
- The fastest option is visualized for all travel options, with a "sustainable" indicator for the least emitting transport method.
- Travel time is based on travel from the centre of Enschede to the centre of the destination city (station to station).
- It is assumed flights are taken from Schipol Airpot and that travel to

Schipol is by train. Therefore, 2 hours of travel time to Schipol Airport is taken into account.

- For plane travel, check-in, security, and luggage drop-off and retrieval at Schipol Airport and the destination airport are taken into account. Therefore, 2.5 hours of extra travel time is added.
- Effective working time is considered zero for plane travel as opposed to on a train, due to lack of space on a plane and often more uncomfortable situations. Effective working time is considered zero for plane travel because of regular interruptions due to boarding, taking off, landing procedures, and lack of physical working space.
- The number of transfers includes transfers includes transfers from train to plane and from plane to train, car or taxi at the destination city.
- The travel duration and number of transfer information for each mode of transport is obtained from various travel resources such as NS International, Deutsche Bahn, Google Maps, and the Trainline.
- Duration of travel by car and electric assume that the journey is non-stop, which does not include rest and recharging/refueling time. This allows the user to determine their own car travel duration time based on the given indication and their driving habits.
- All travel times and emissions are an indication: they may differ based on the day, time of travel, and the exact route.
- Electric vehicle carbon emissions are based on the electricity mix of geographic locations. Depending on the route, the electricity used to charge the battery comes from different sources which effects carbon emissions. For example, the Polish electricity mix contains more non-renewable resources than the Norwegian electricity mix. However, regional energy mixes may have improved, since publishing this map which in reality would result in lower CO₂ emissions when driving electrically.

This map is created using static data that is updated periodically. Therefore, changes in connections may occur over time. If you have any remarks or questions about this train map, please send an email to sustainability@utwente.nl.

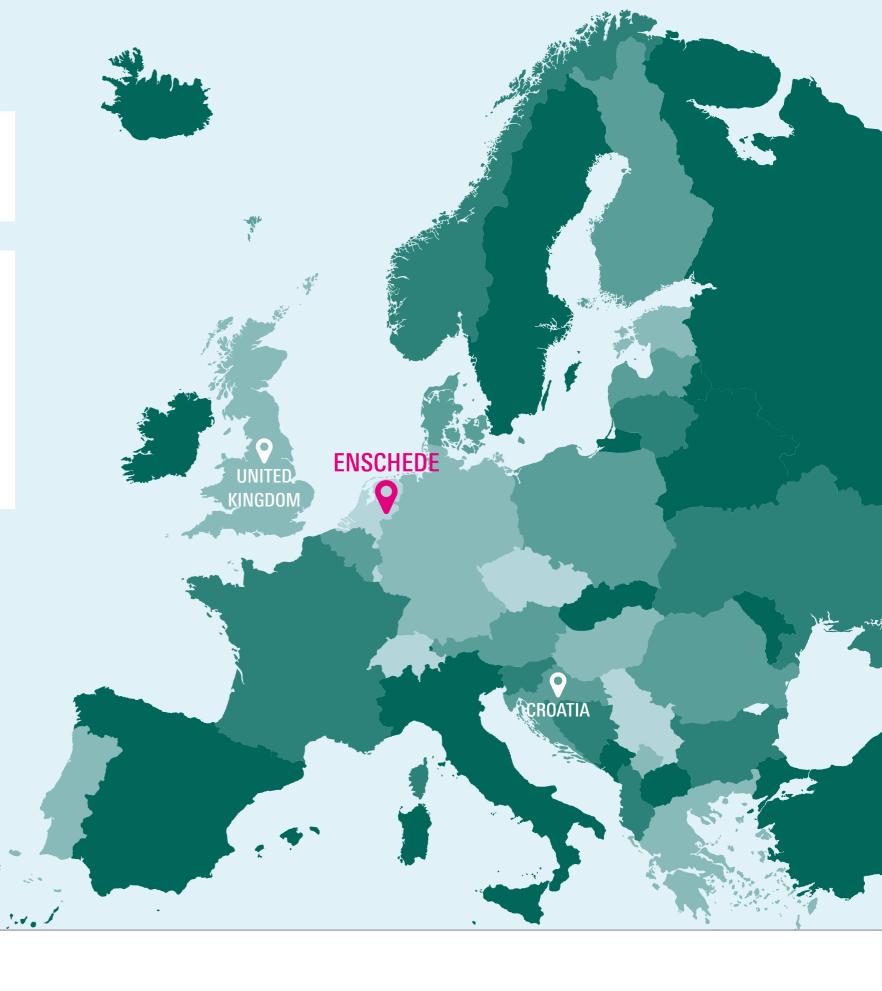
YOUR EXPERIENCE AND FEEDBACK

We are always open to feedback about the UT Train Map and are curious about your experiences with international train travel. Do you have remarks or questions for us? Or ideas on how UT can improve your international trips? Please send an email to sustainability@utwente.nl.



HOW TO USE THE UT TRAIN MAP

- Click on the country you wish to visit to go to the corresponding map.
- From there, you can click through to your destination city.
- You can go back to the main map with a single click from each page.Questions? Remarks? Please send an email to
- sustainability@utwente.nl.



TRAIN MAP

LEGEND

O The train is default

Over the train is recommended

• The train is challenging



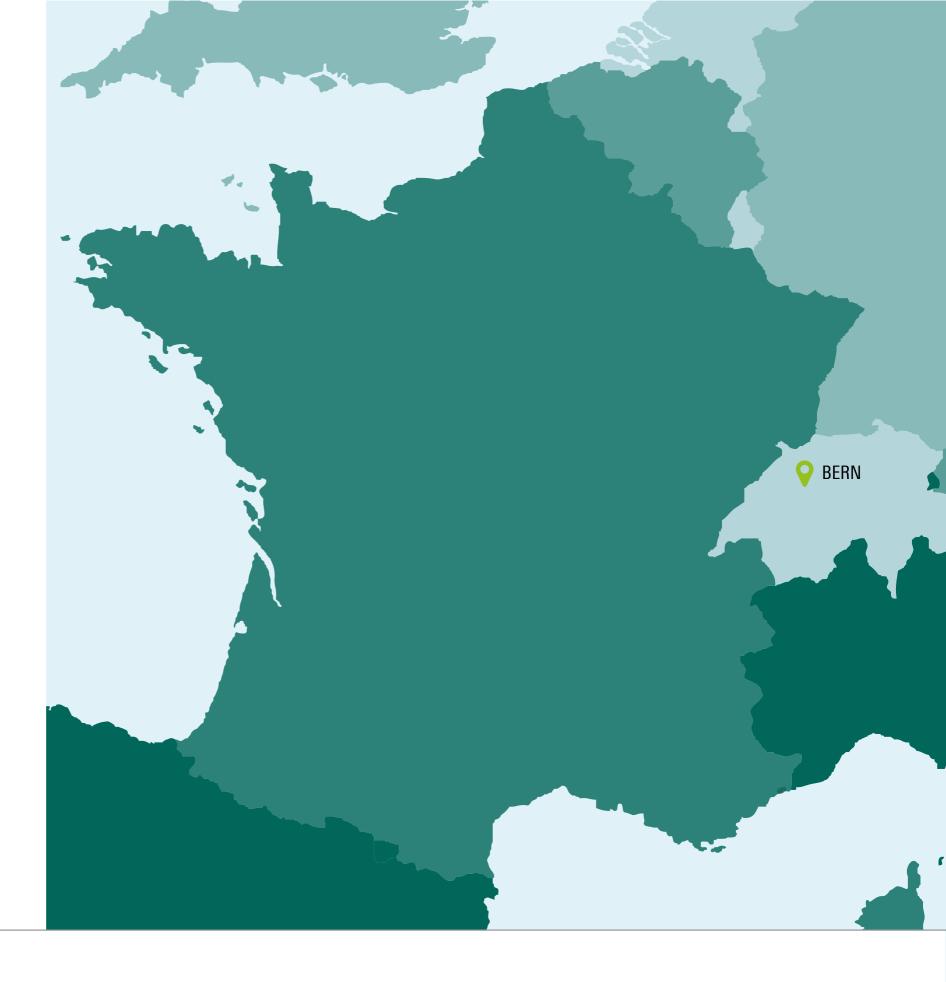
TRAIN MAP SCOTLAND, UNITED KINGDOM

- **O** The train is default
- The train is recommended
- The train is challenging



TRAIN MAP BELGIUM, FRANCE, LUXEMBOURG

- The train is default
- **P** The train is recommended
- **P** The train is challenging



TRAIN MAP NORWAY, SWEDEN FINLAND, DENMARK

- **O** The train is default
- The train is recommended
- The train is challenging



TRAIN MAP SWITZERLAND, LIECHTENSTEIN, ITALY, CROATIA, SLOVAKIA

- The train is default
- **P** The train is recommended
- The train is challenging



TRAIN MAP

POLAND, CZECH REPUBLIC, SLOWAKIA, AUSTRIA, ROMANIA

LEGEND

The train is default

V The train is recommended

The train is challenging



TRAIN MAP HUNGARY, ROMANIA, BULGARIA

LEGEND

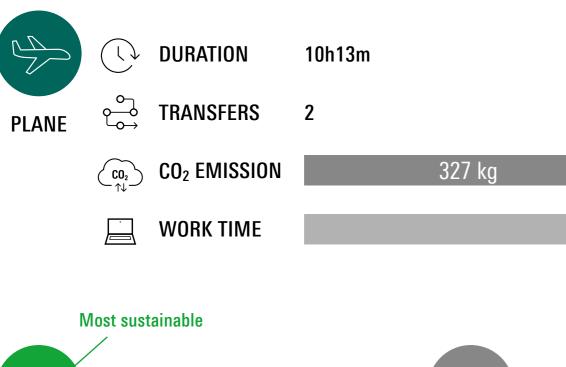
• The train is default

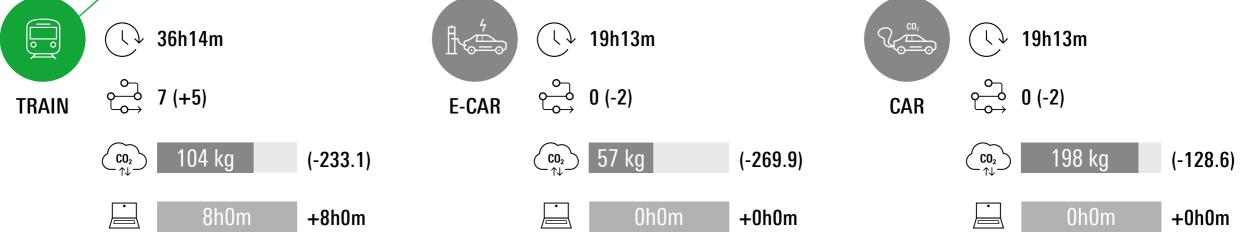
V The train is recommended

• The train is challenging

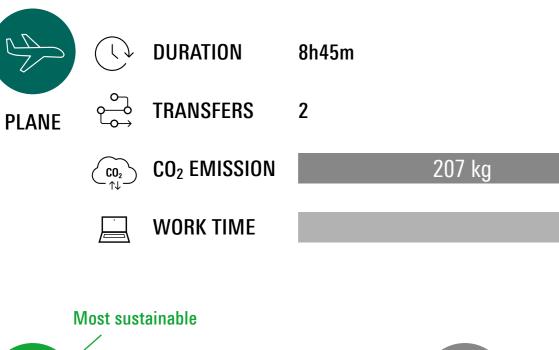


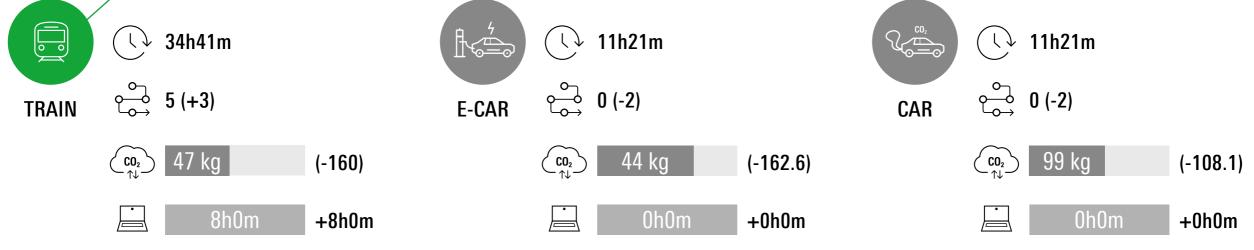
TRIP ADVICE TRONDHEIM



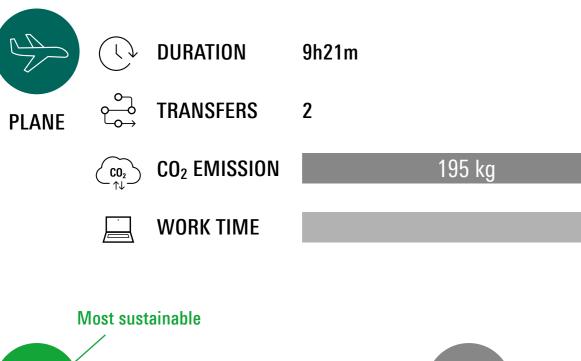


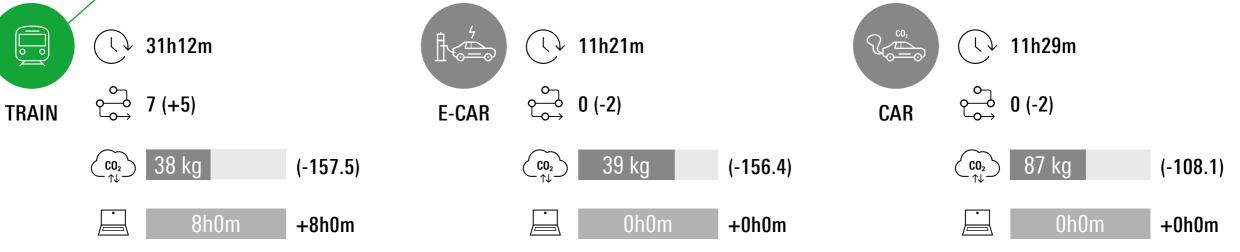
TRIP ADVICE **STAVANGER**





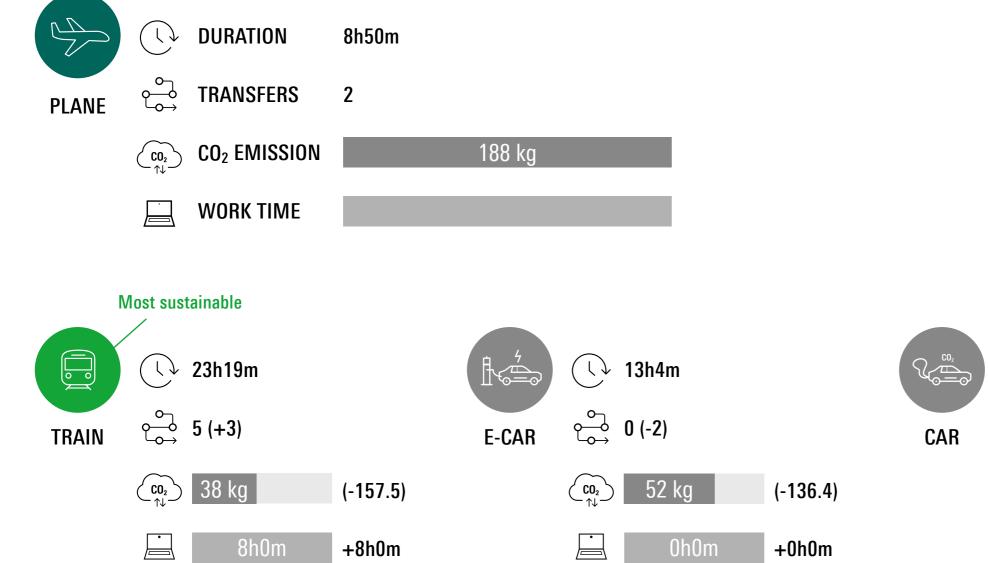
TRIP ADVICE KRISTIANSAND

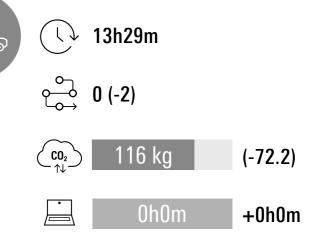




TRIP ADVICE **OSLO**



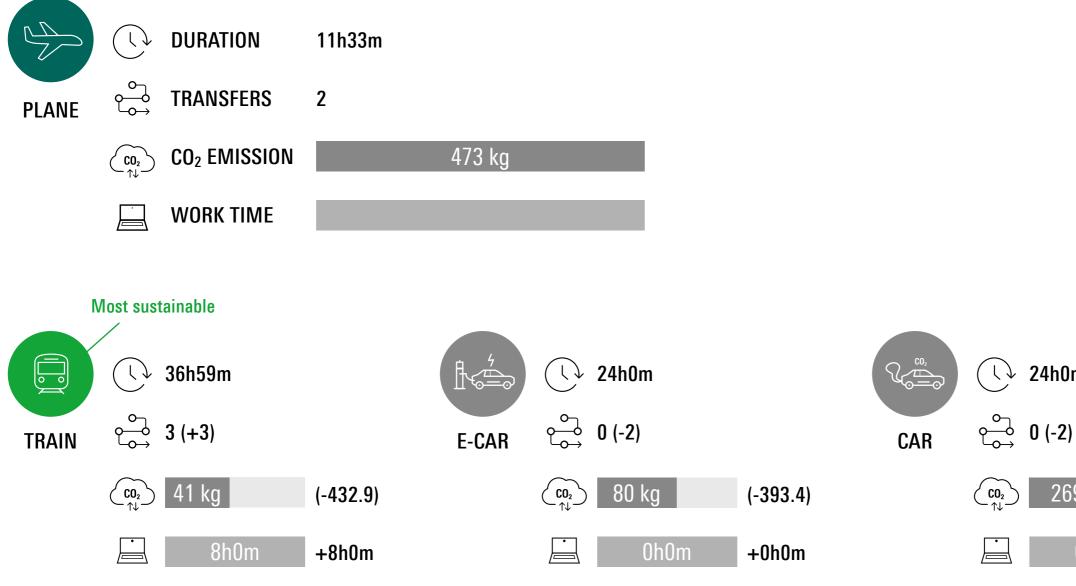




TRIP ADVICE LULEA

The best way to get to this destination is by plane.





24h0m

269 kg

(-204.3)

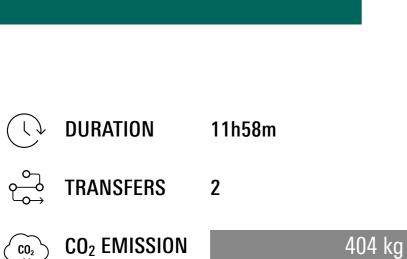
+0h0m

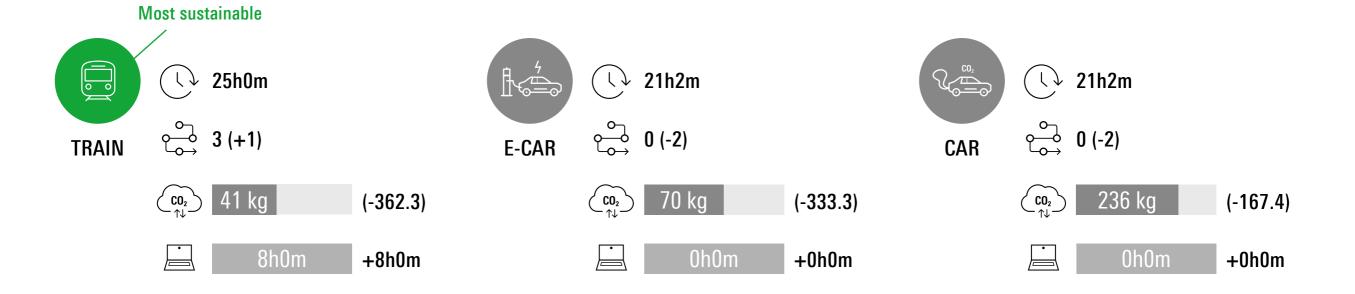
TRIP ADVICE **UMEA**

PLANE

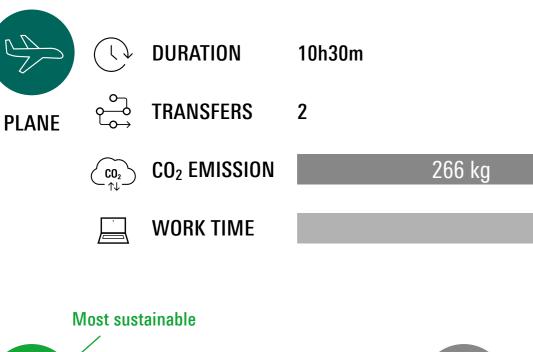
The best way to get to this destination is by plane.

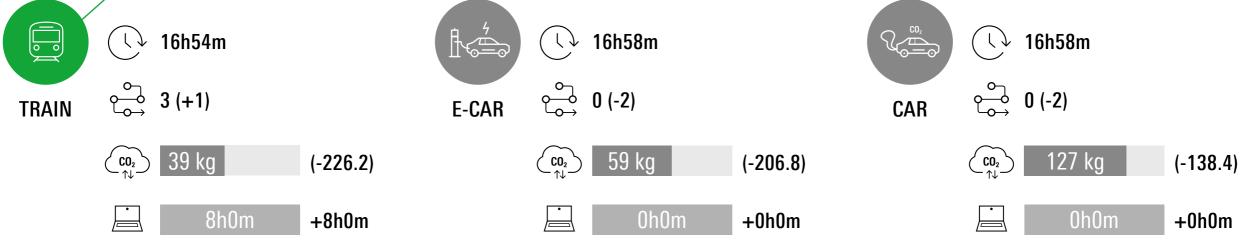
WORK TIME





TRIP ADVICE VASTERAS





TRIP ADVICE STOCKHOLM

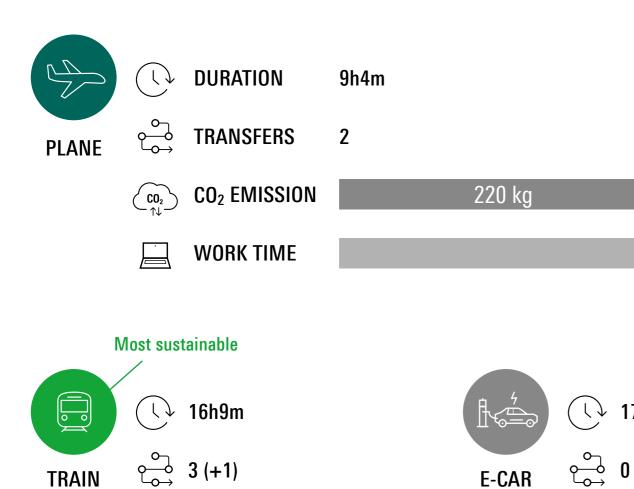
TRAIN

The best way to get to this destination is by plane.

37 kg

8h0m

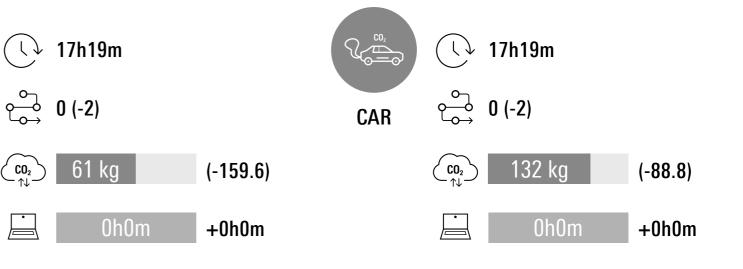
′ CO2



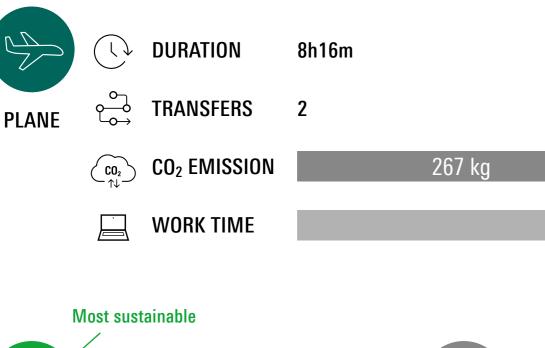
(-183.6)

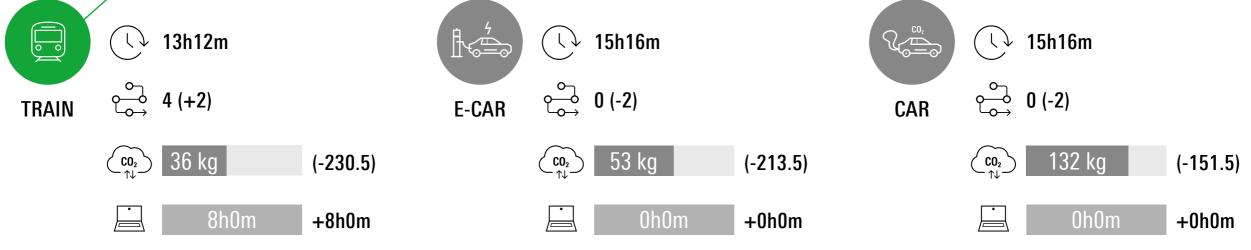
+8h0m

CO₂



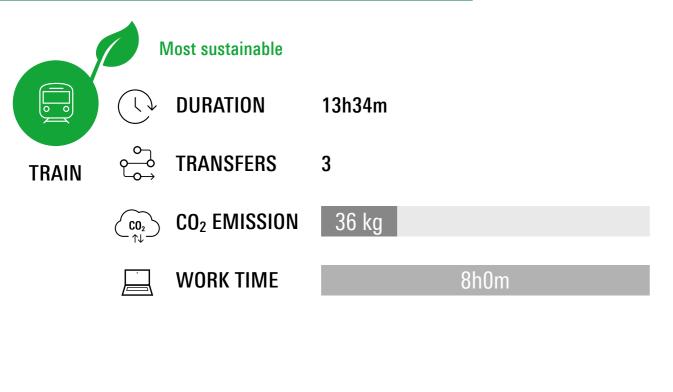
TRIP ADVICE LINKÖPING

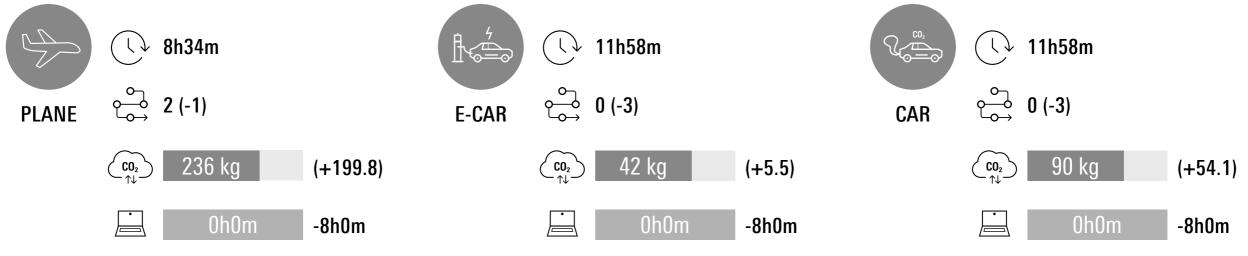




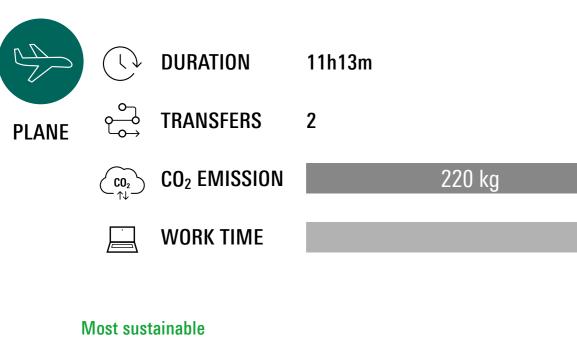
TRIP ADVICE **GÖTEBORG**

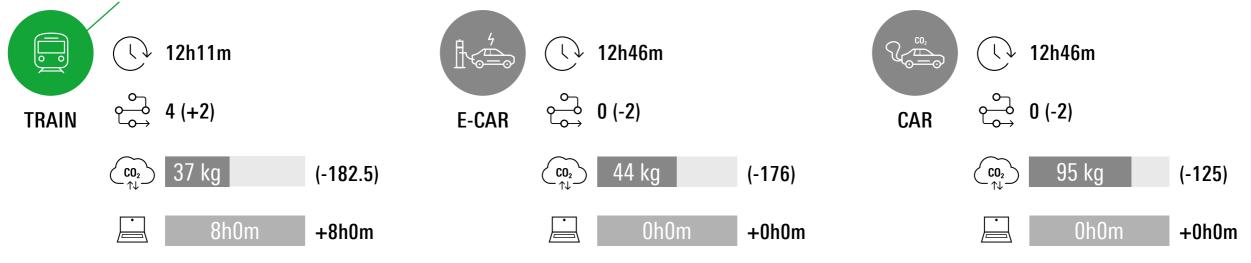






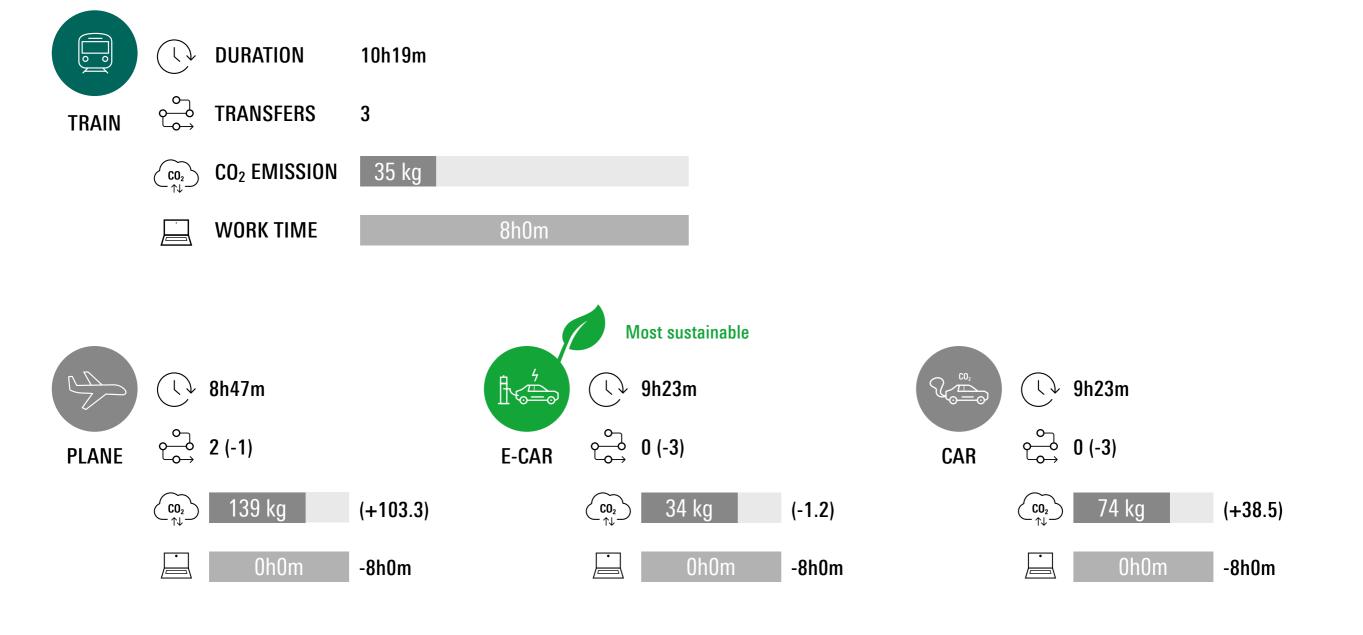




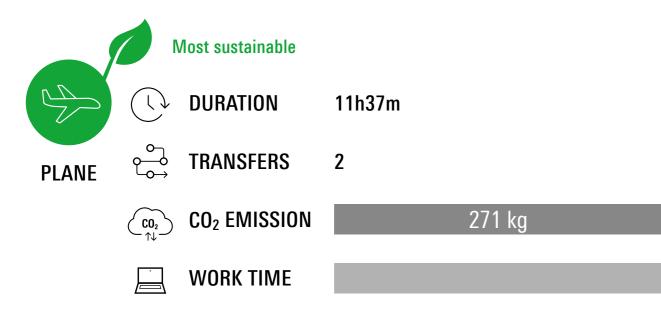


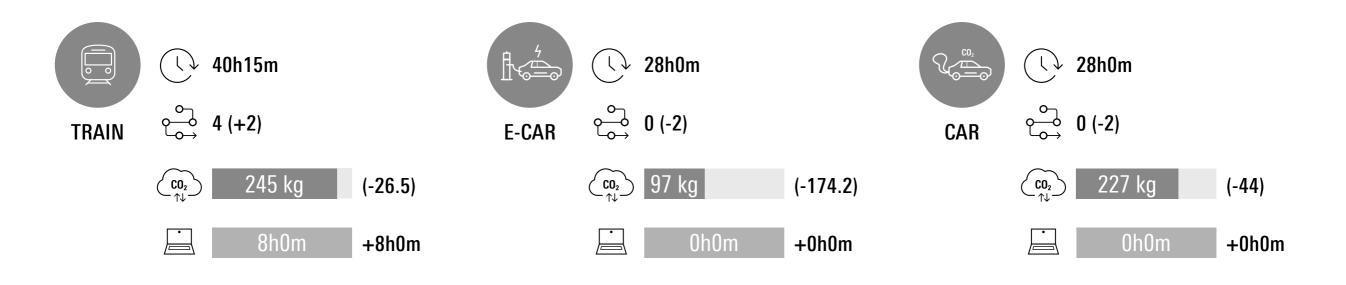
TRIP ADVICE





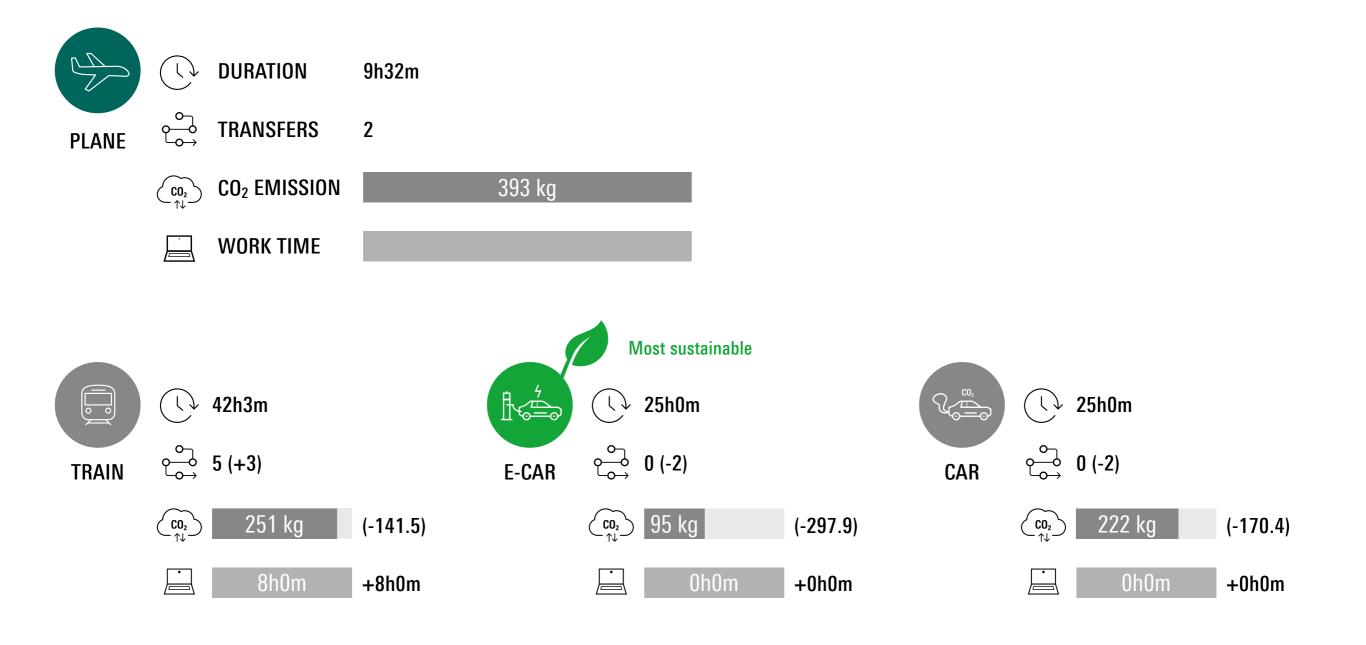
TRIP ADVICE





TRIP ADVICE HELSINKI

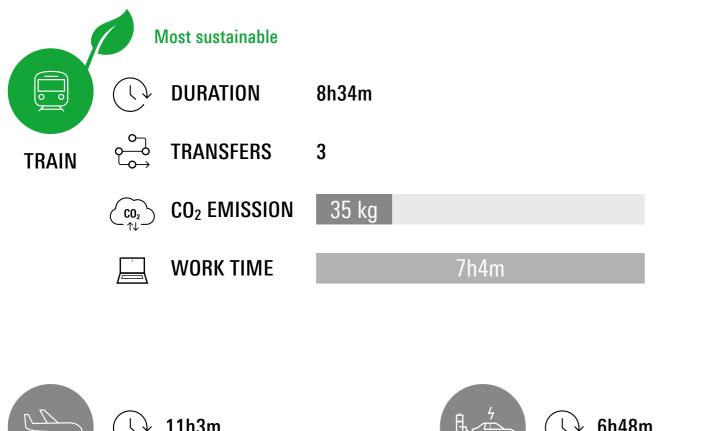


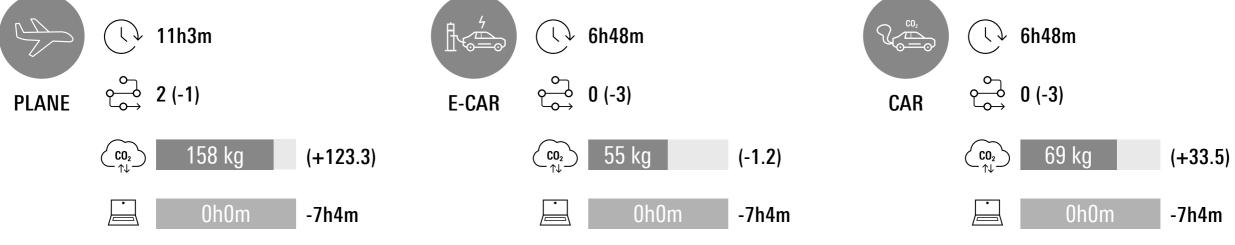


TRIP ADVICE



The best way to get to this destination is by train



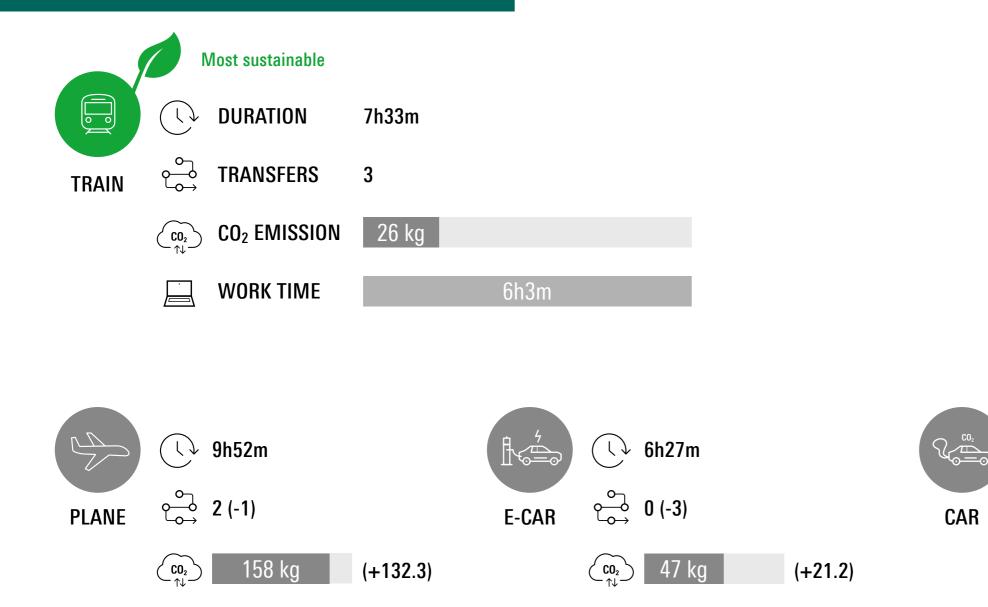


 \leftarrow SCANDINAVIA

TRIP ADVICE **ODENSE**

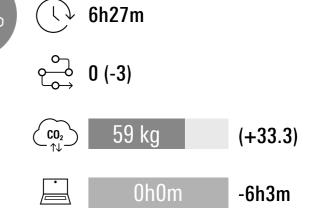


The best way to get to this destination is by train



0h0m

-6h3m



 \leftarrow SCANDINAVIA

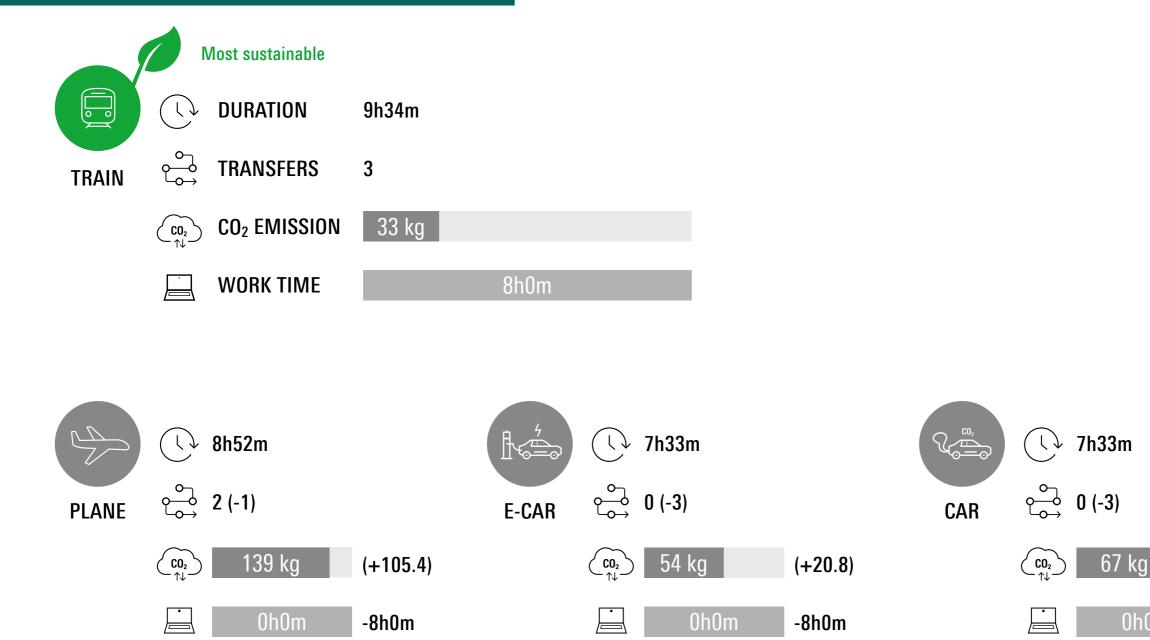
-6h3m

0h0m

TRIP ADVICE ROSKILDE



The best way to get to this destination is by train



(+33.3)

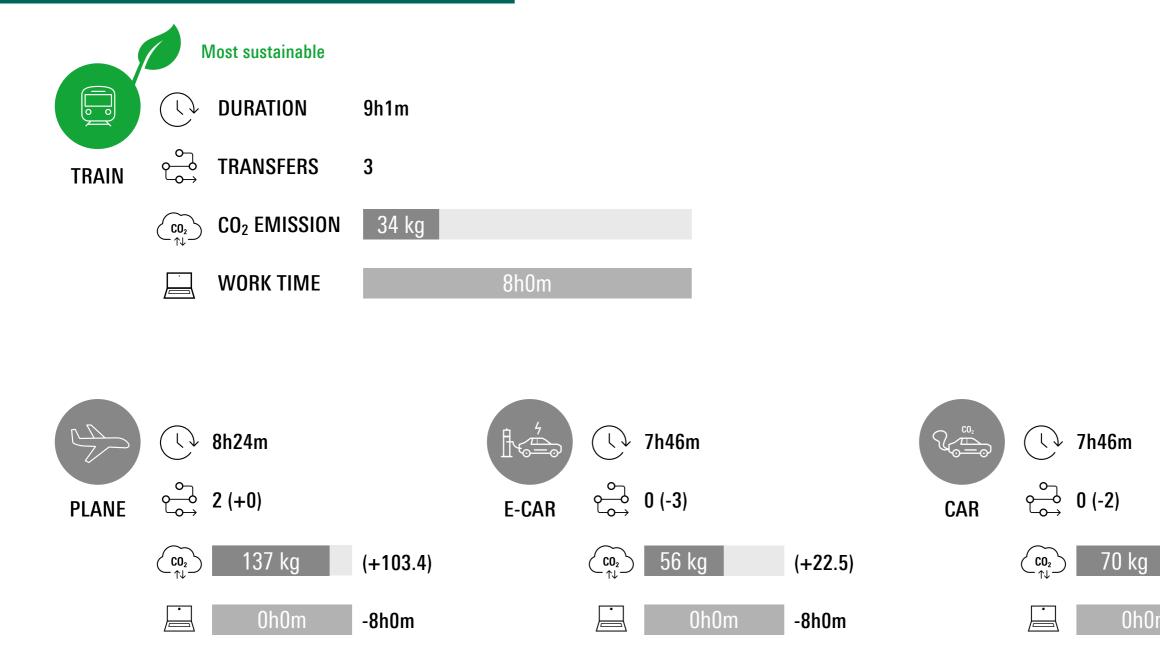
-8h0m



TRIP ADVICE COPENHAGEN



The best way to get to this destination is by train



(+35.9)

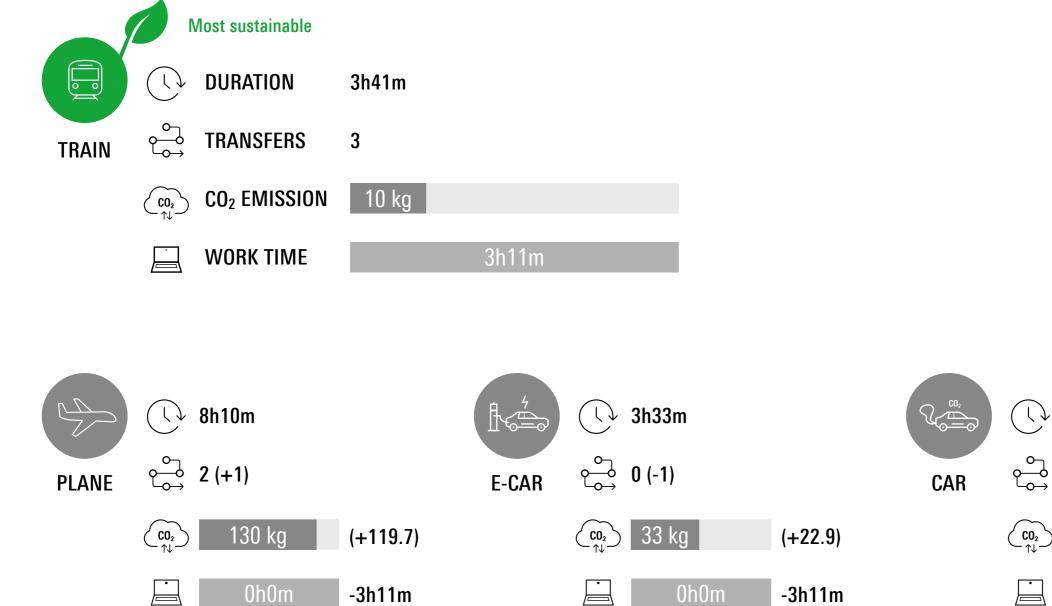
-8h0m

 \leftarrow SCANDINAVIA

TRIP ADVICE HAMBURG



The best way to get to this destination is by train



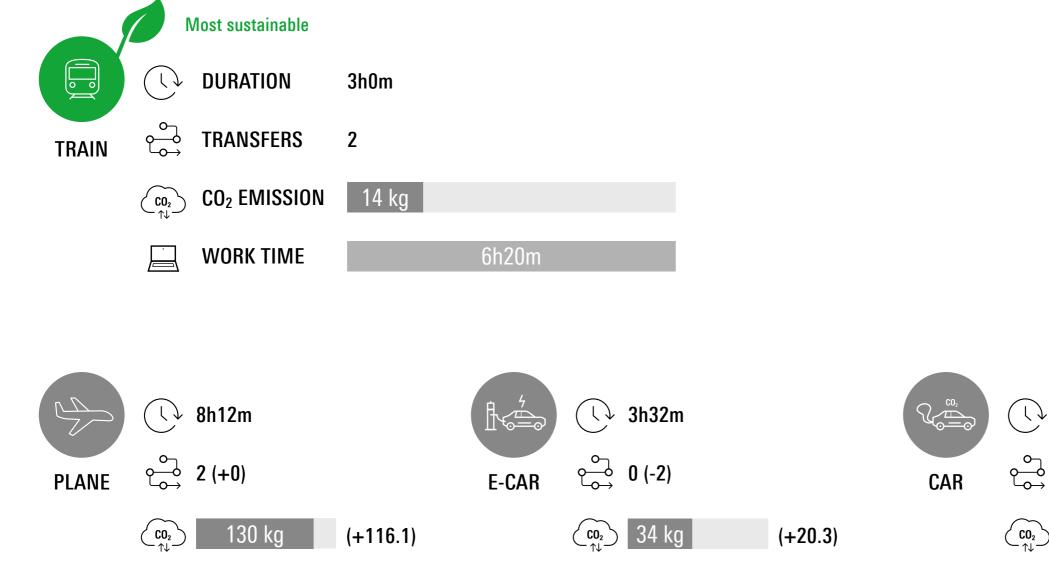


3h33m

TRIP ADVICE LÜNEBURG



The best way to get to this destination is by train



0h0m

-6h20m

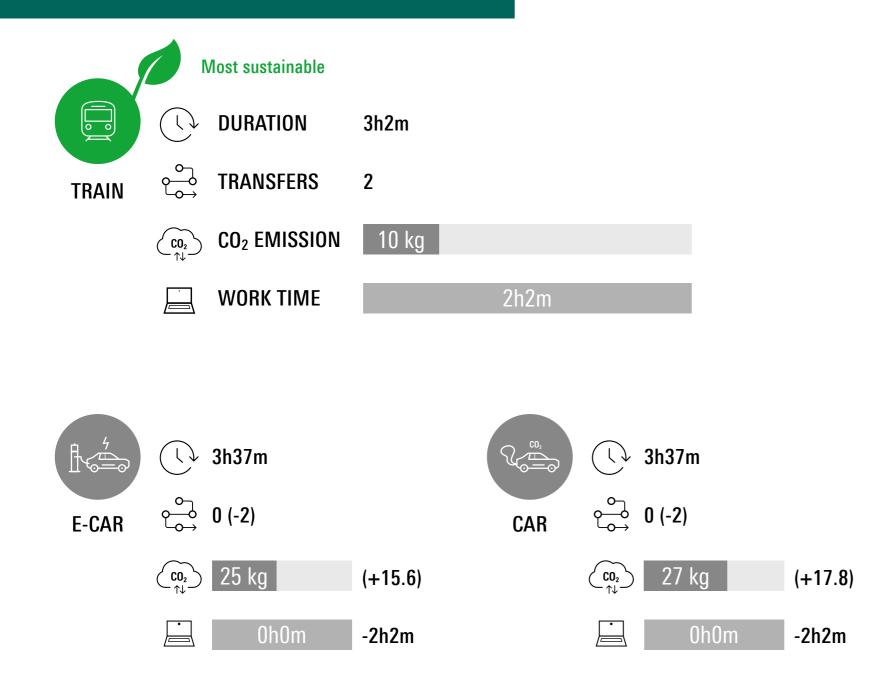


0h0m

-6h20m

TRIP ADVICE **HANNOVER**

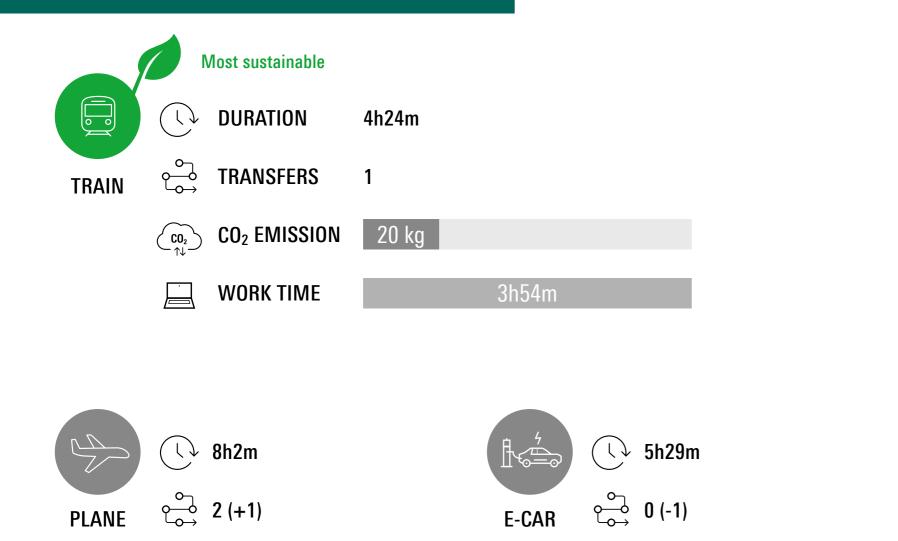




TRIP ADVICE **BERLIN**



The best way to get to this destination is by train



(+118.2)

-3h54m

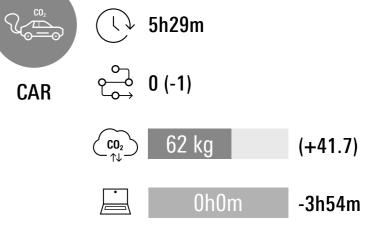
57 kg

0h0m

່ CO₂ `

(+36.9)

-3h54m

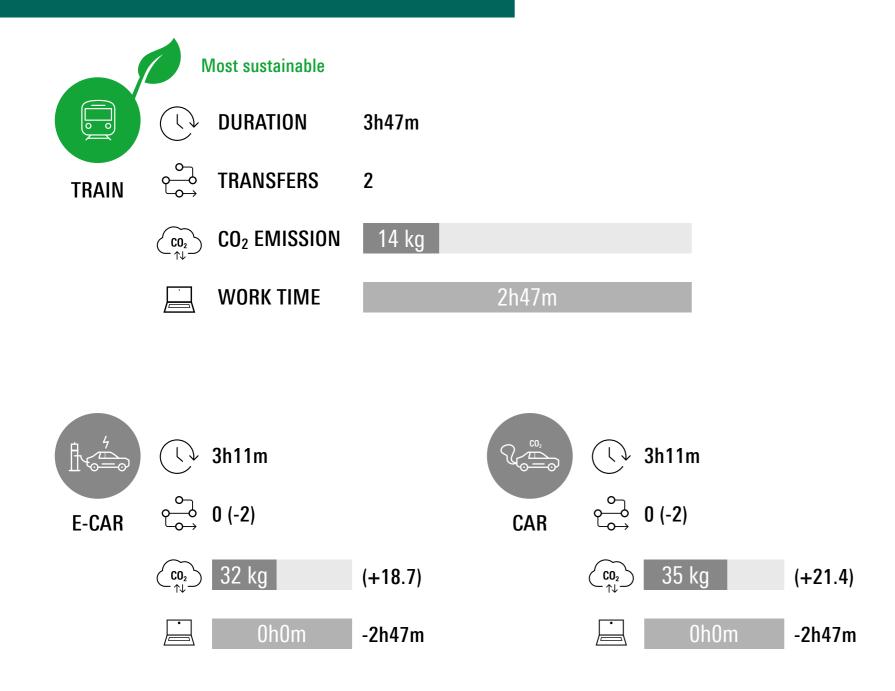


139 kg

0h0m

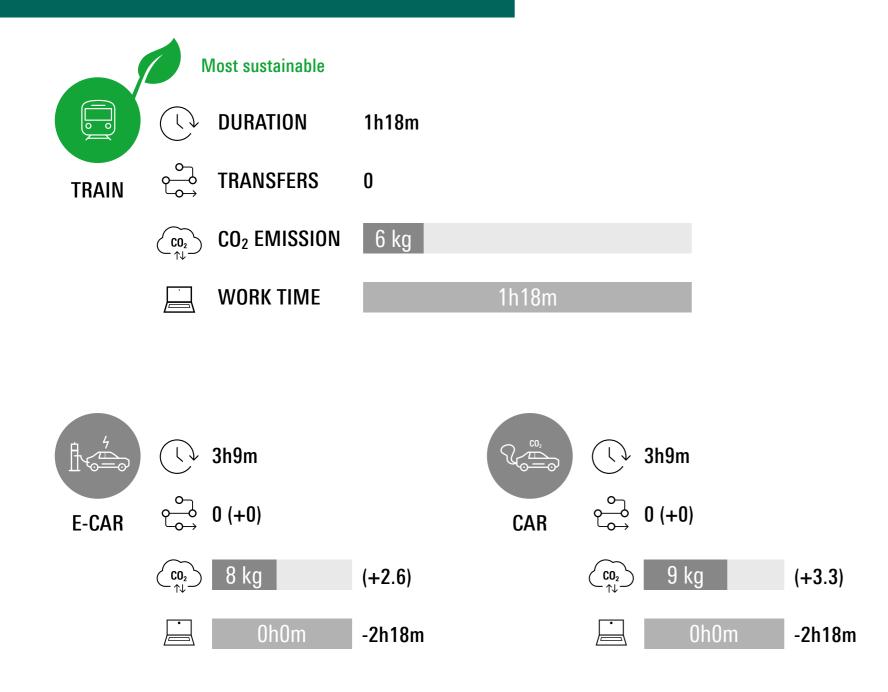
TRIP ADVICE BRAUNSCHWEIG





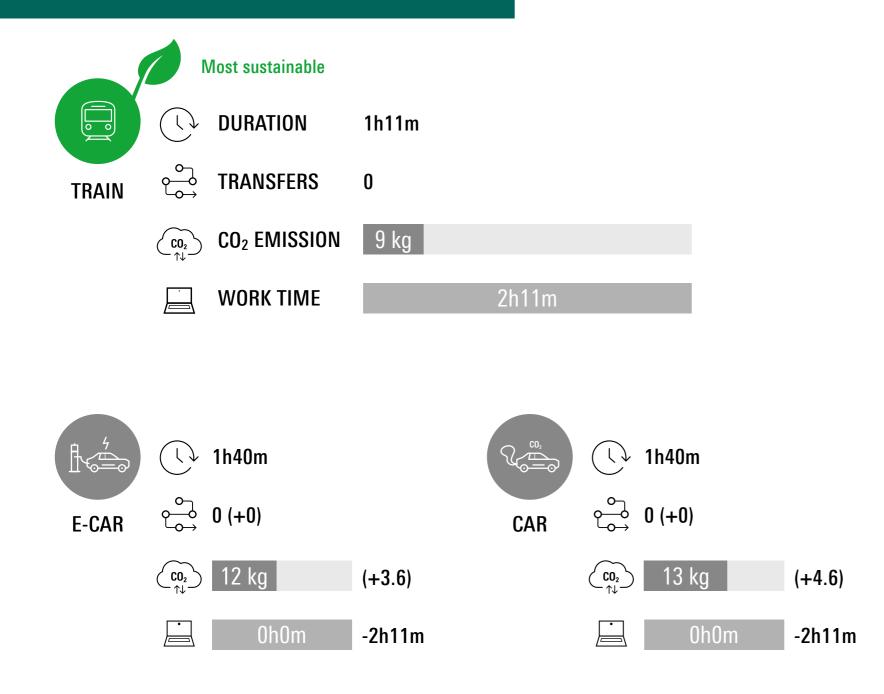
TRIP ADVICE MÜNSTER





TRIP ADVICE **DORTMUND**

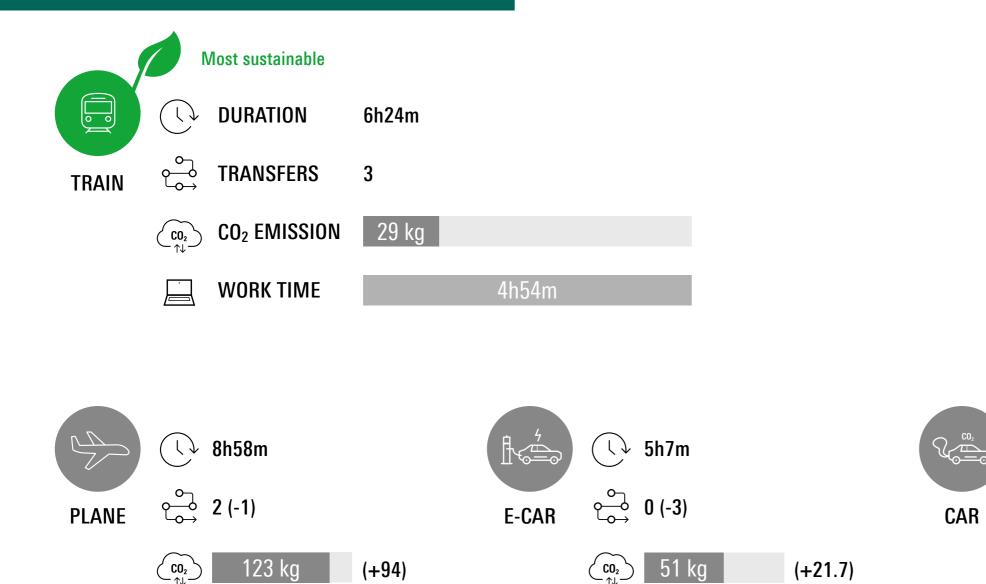




TRIP ADVICE



The best way to get to this destination is by train



0h0m

-4h54m



5h7m

(しか

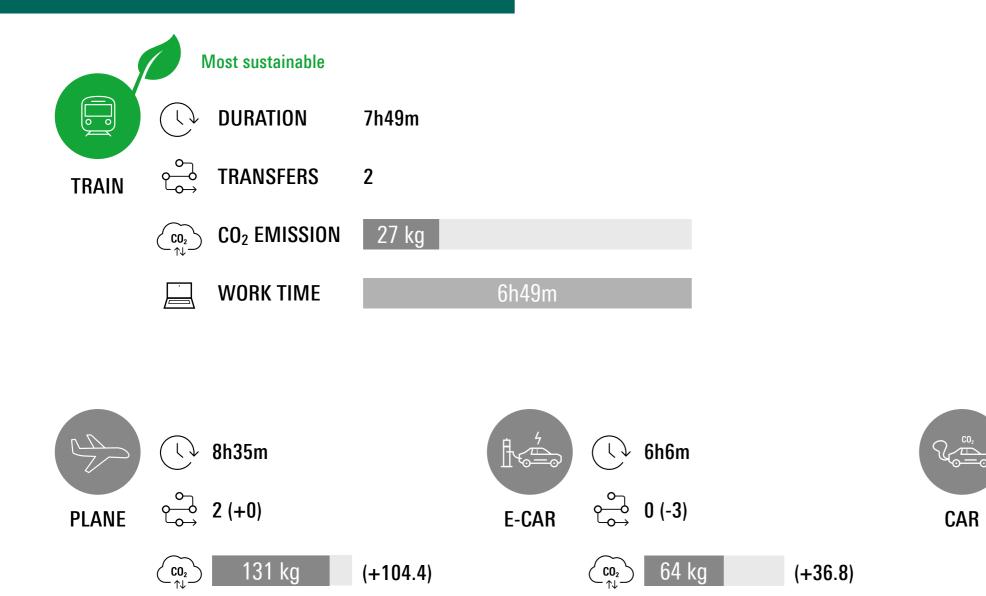
0h0m

-4h54m

TRIP ADVICE DRESDEN



The best way to get to this destination is by train



0h0m

-6h49m



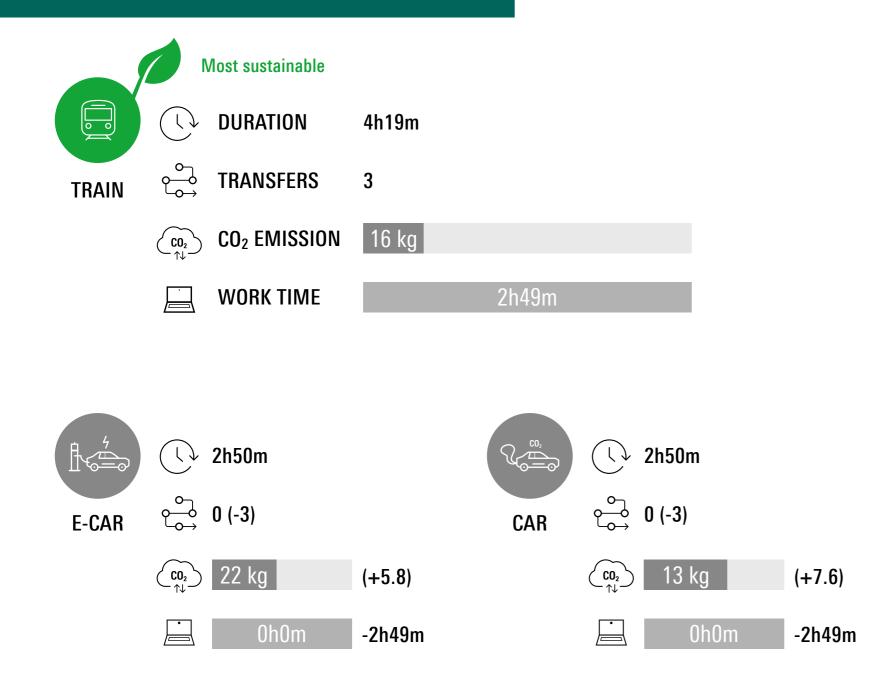
6h6m

(ノ

0h0m

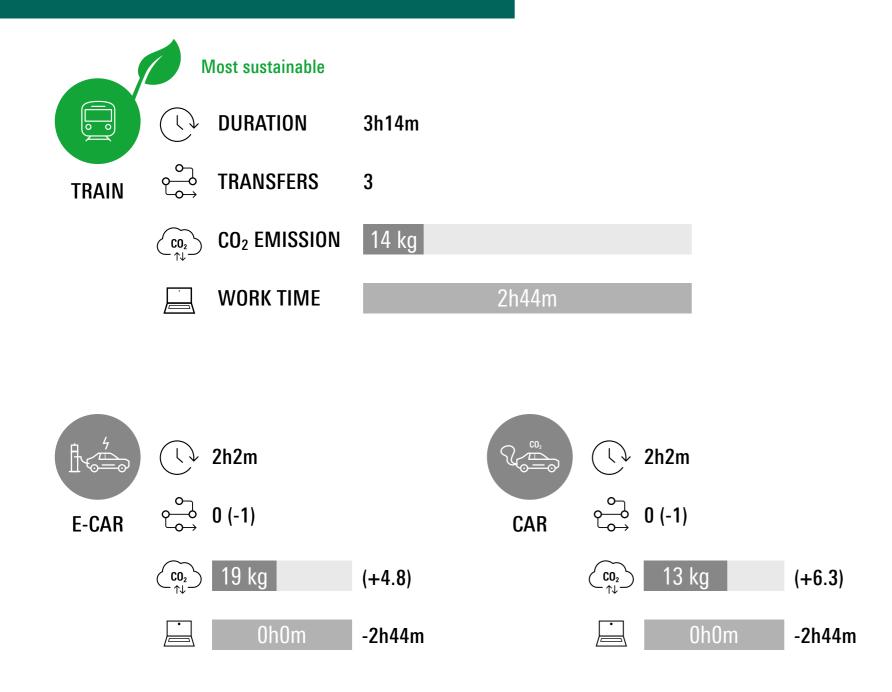
-6h49m





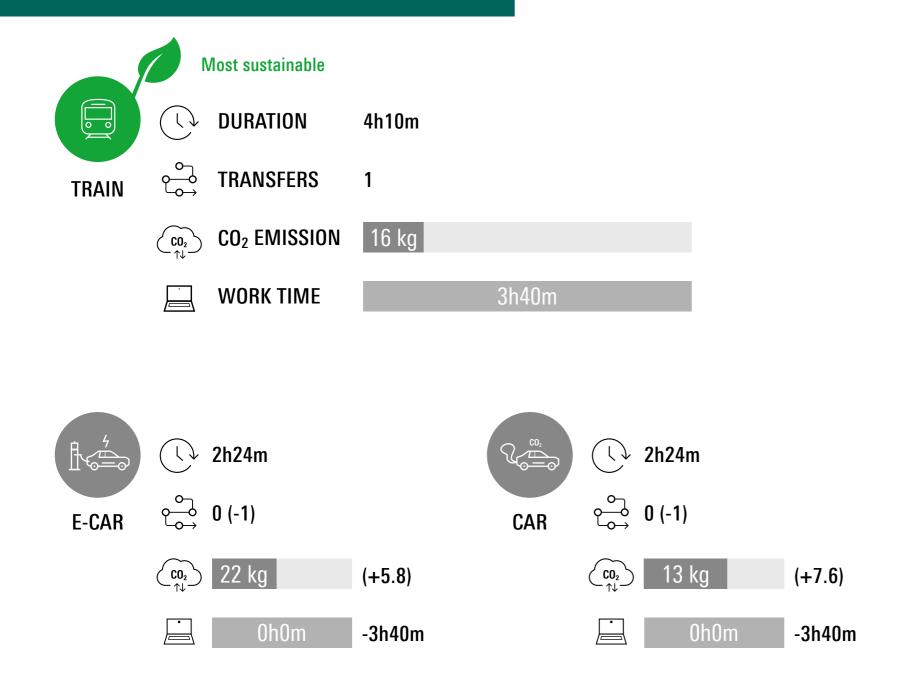
TRIP ADVICE **COLOGNE**





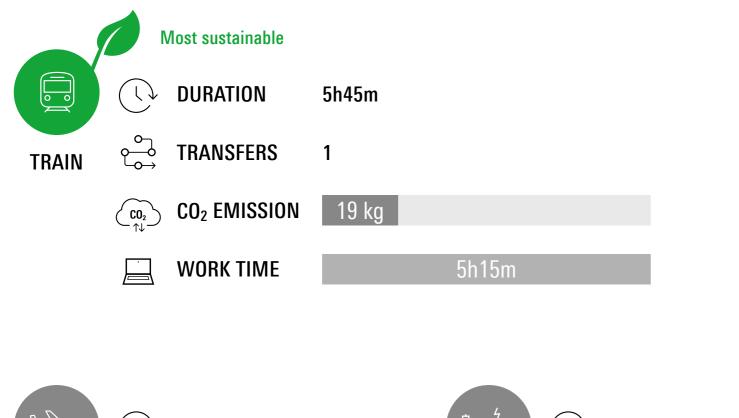
TRIP ADVICE BONN





TRIP ADVICE FRANKFURT



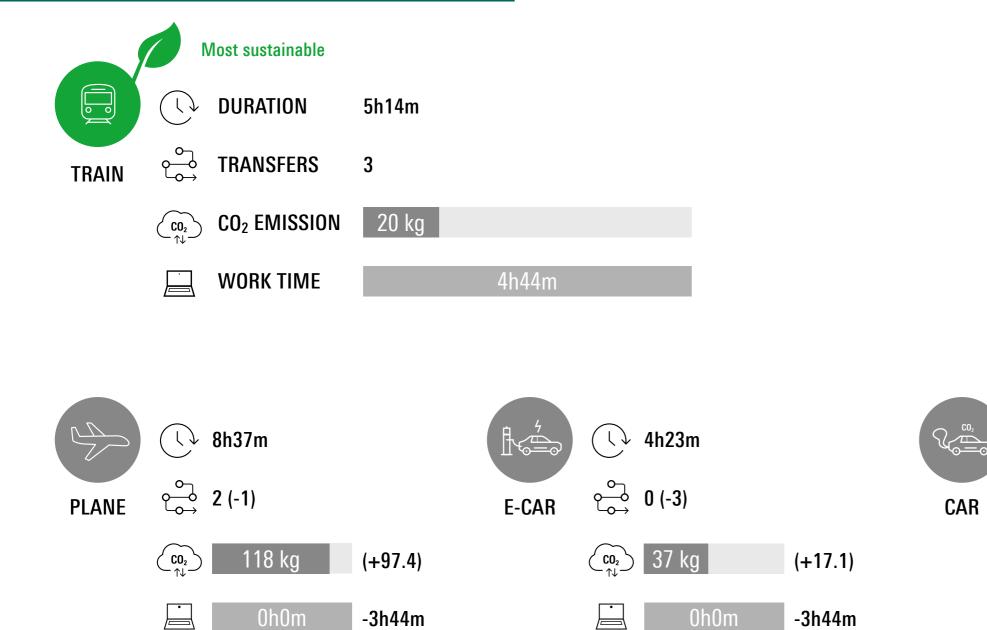


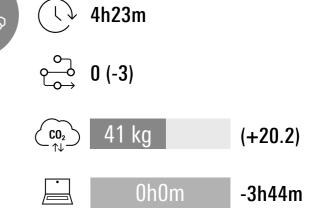


TRIP ADVICE DARMSTADT



The best way to get to this destination is by train



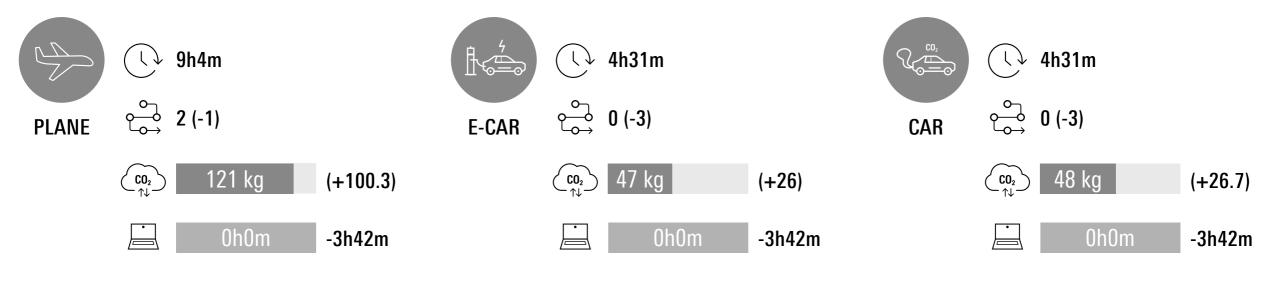


-3h44m

TRIP ADVICE HEIDELBERG

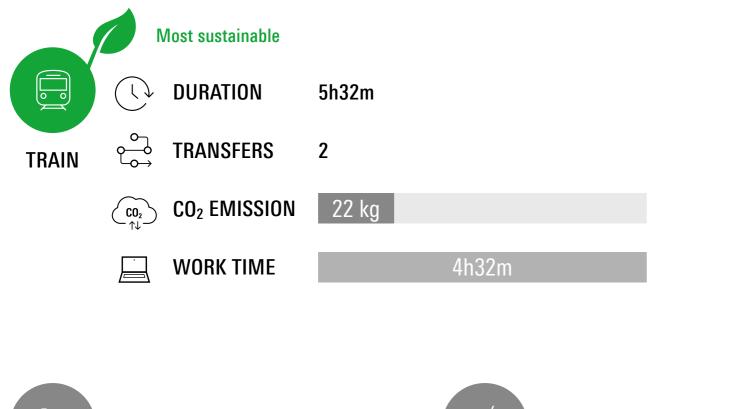






TRIP ADVICE **KARLSRUHE**

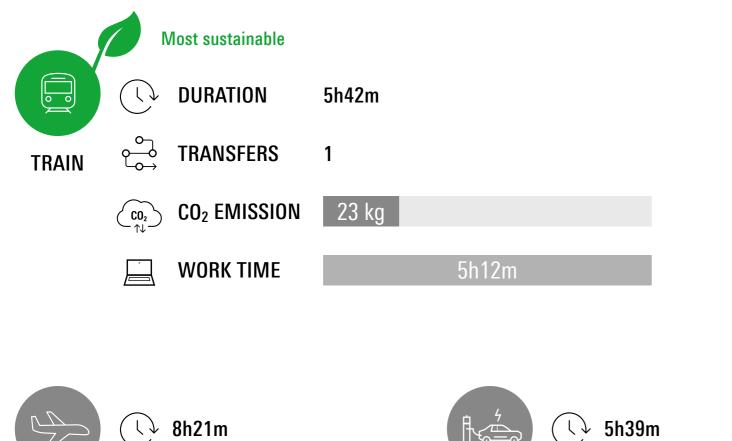


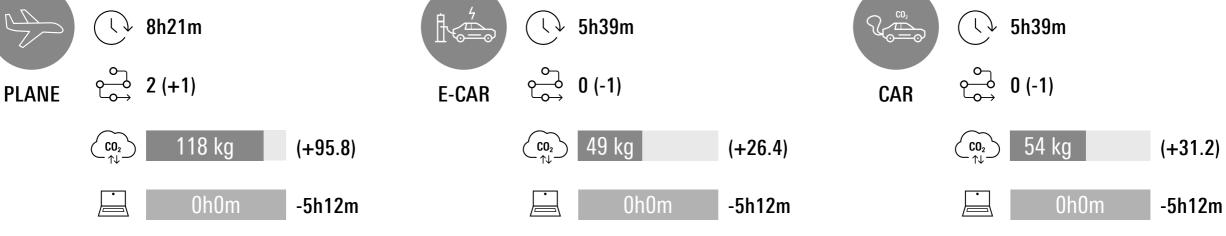




TRIP ADVICE STUTTGART

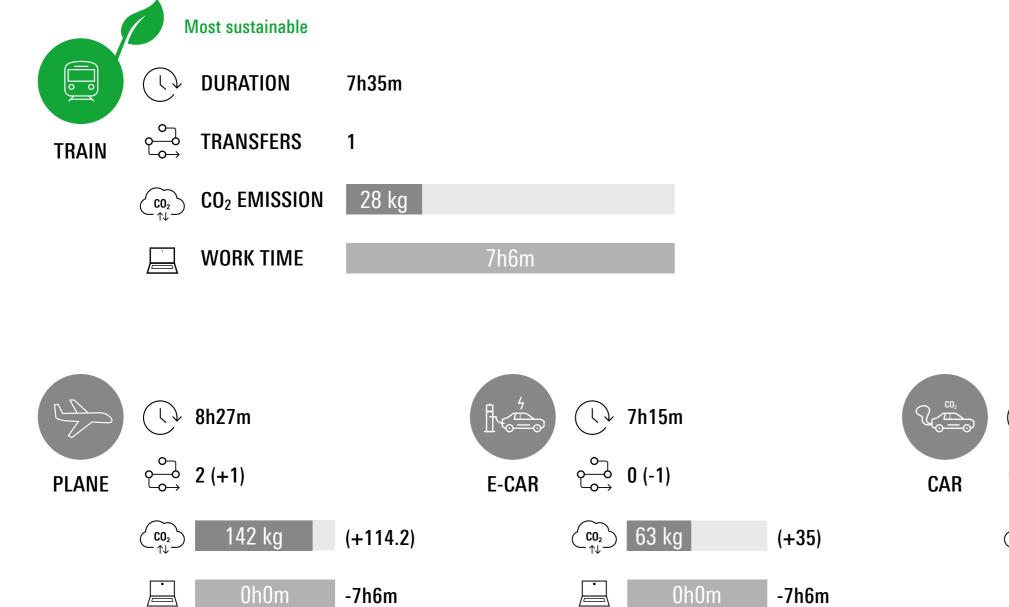


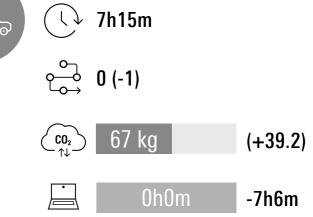




TRIP ADVICE **AUGSBURG**

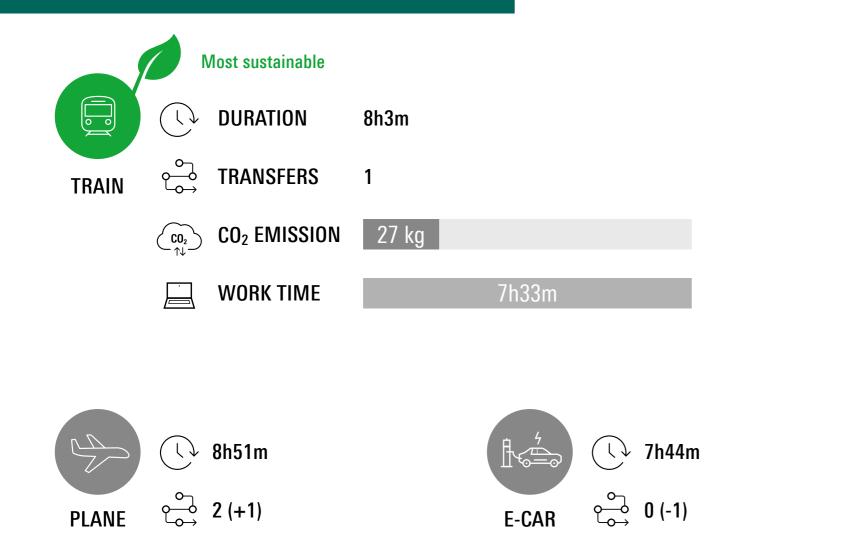








The best way to get to this destination is by train



(+122.2)

-7h33m

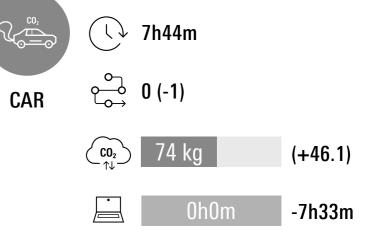
69 kg

0h0m

(CO₂ `

(+41.5)

-7h33m



150 kg

0h0m

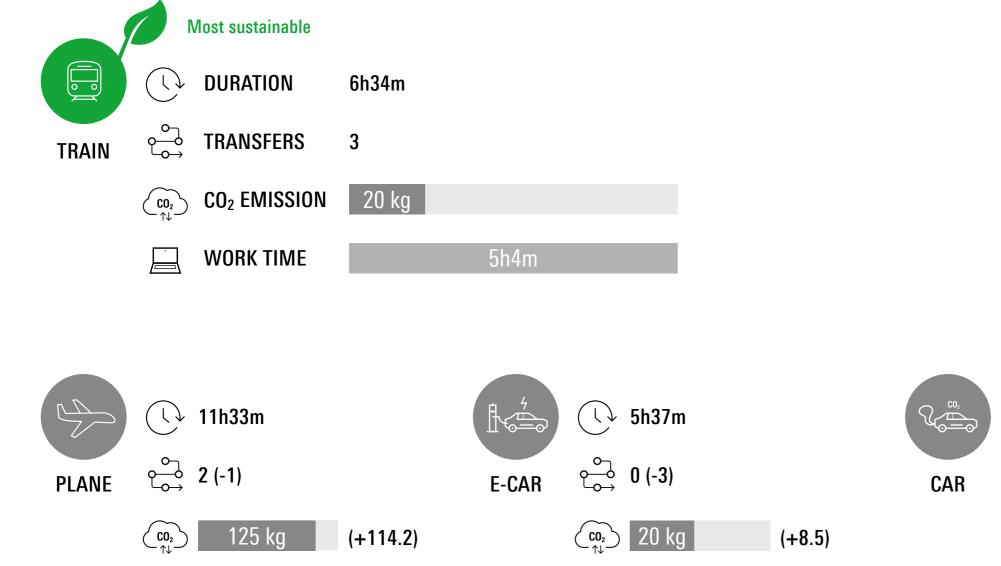
TRIP ADVICE STRASBOURG

0h0m

-5h4m

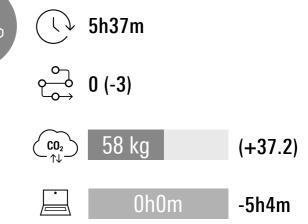


The best way to get to this destination is by train



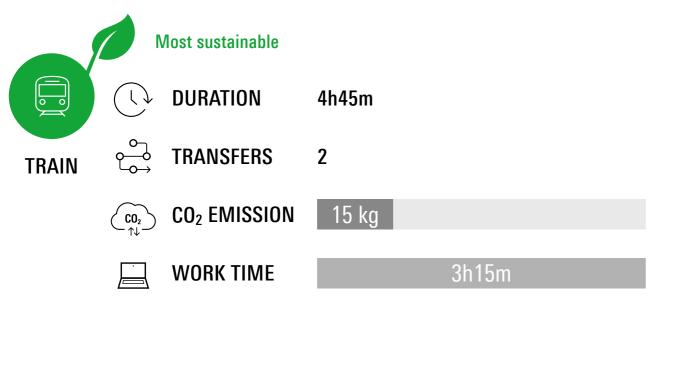
0h0m

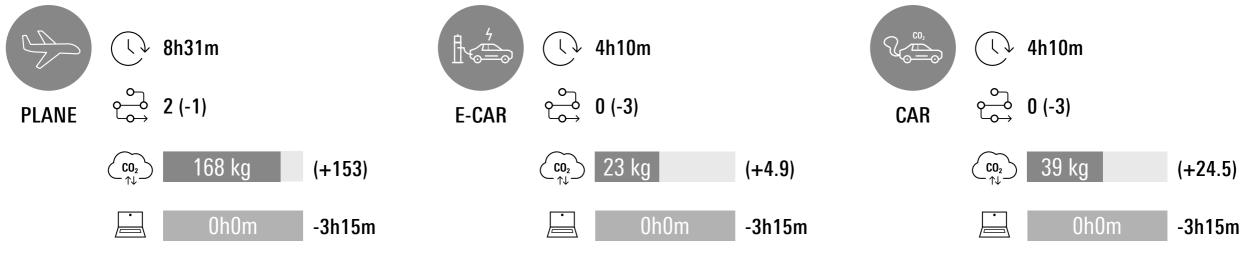
-5h4m



TRIP ADVICE BRUGES

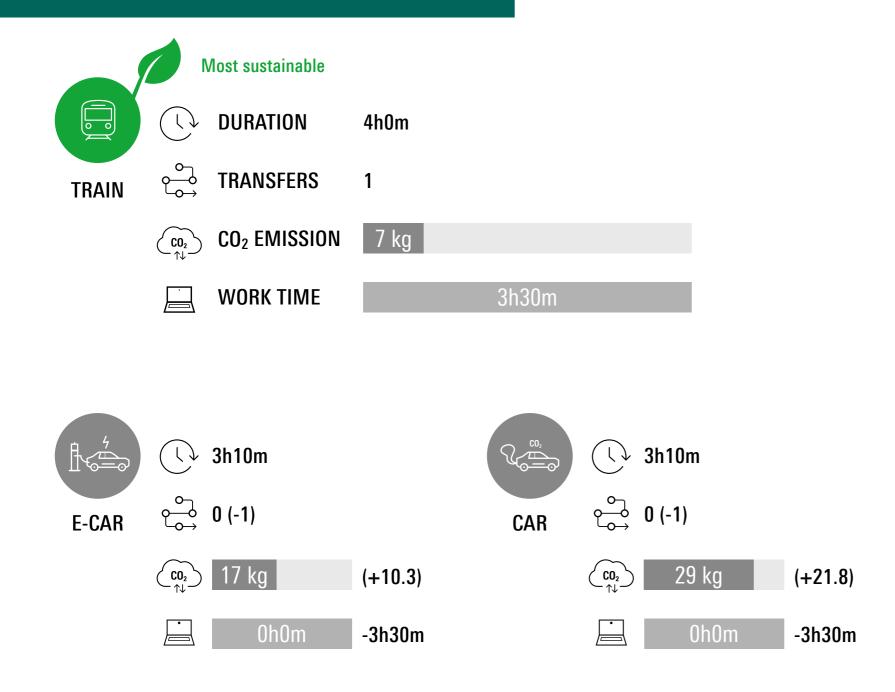






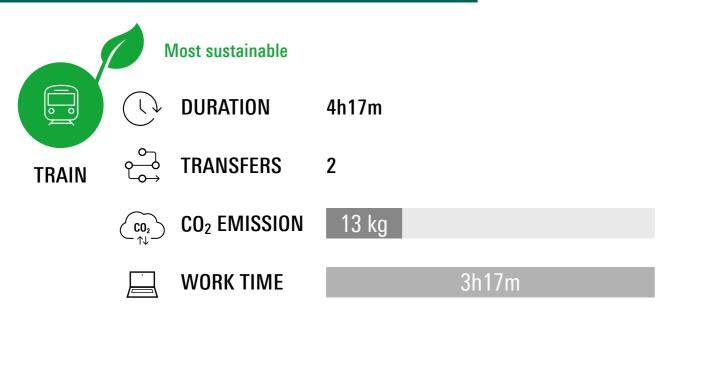
TRIP ADVICE **ANTWERP**

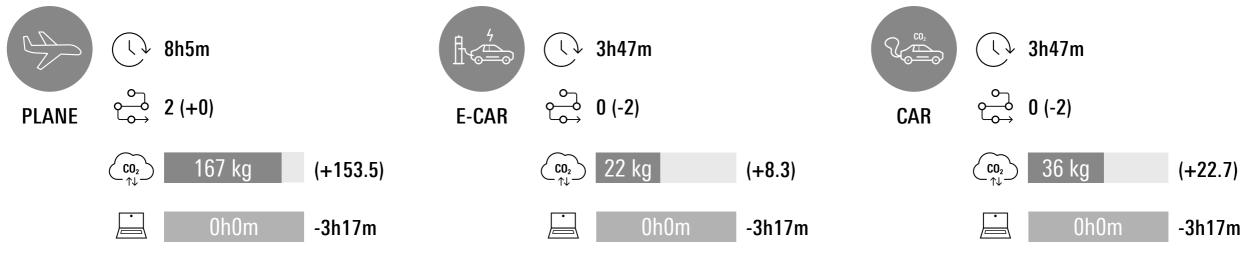




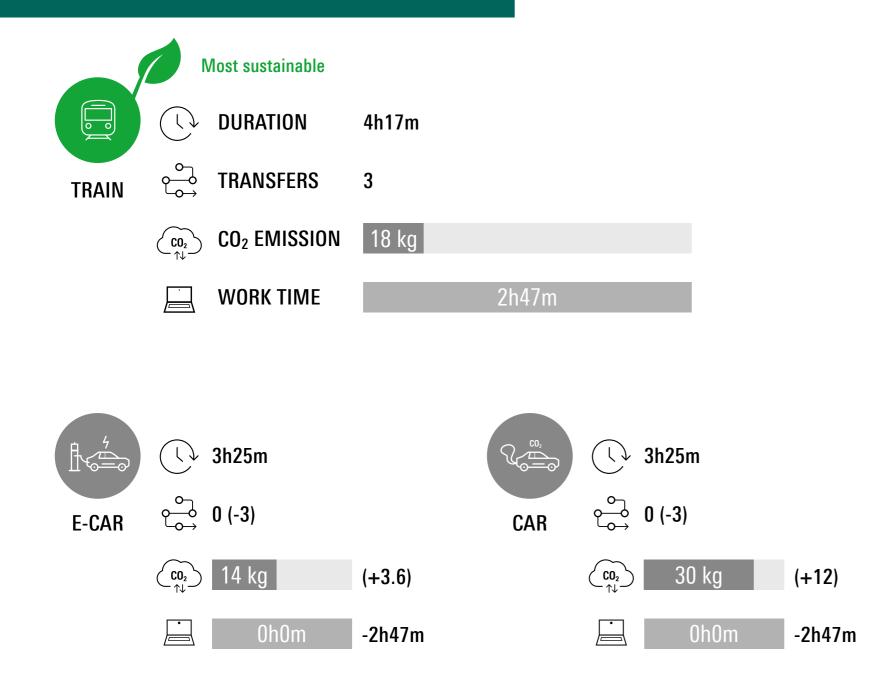
TRIP ADVICE GHENT











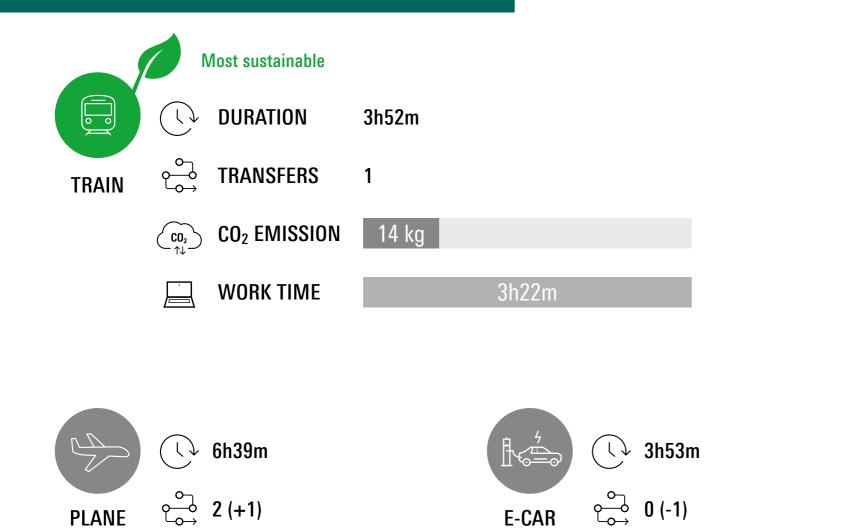
TRIP ADVICE BRUSSELS



The best way to get to this destination is by train

91 kg

0h0m



(+76.6)

-3h22m

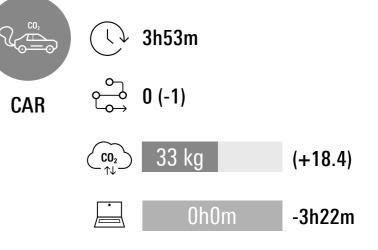
20 kg

0h0m

CO₂ `

(+5.3)

-3h22m



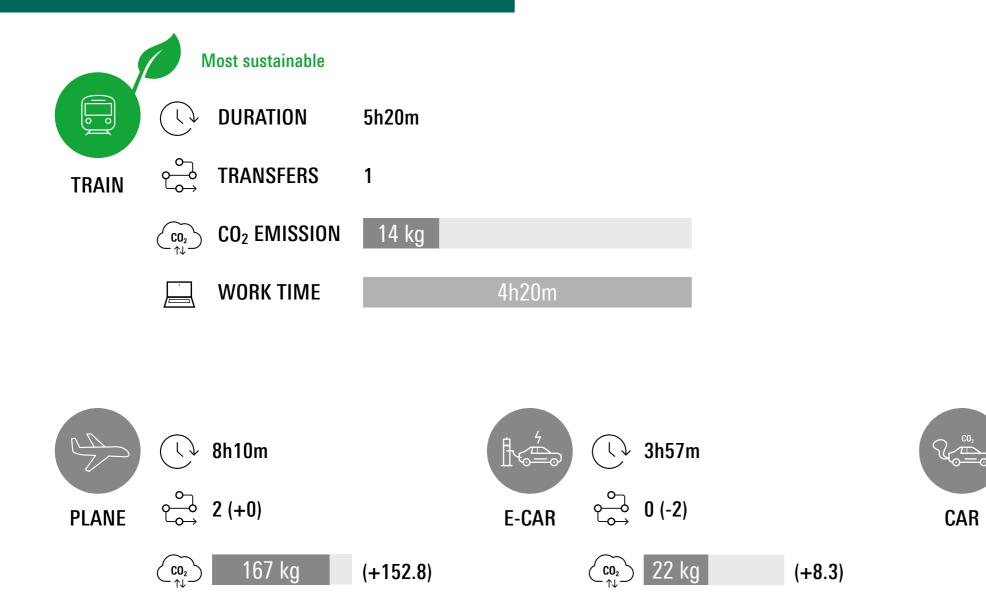
TRIP ADVICE CHARLEROI

0h0m

-4h20m

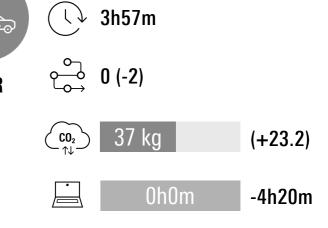


The best way to get to this destination is by train



0h0m

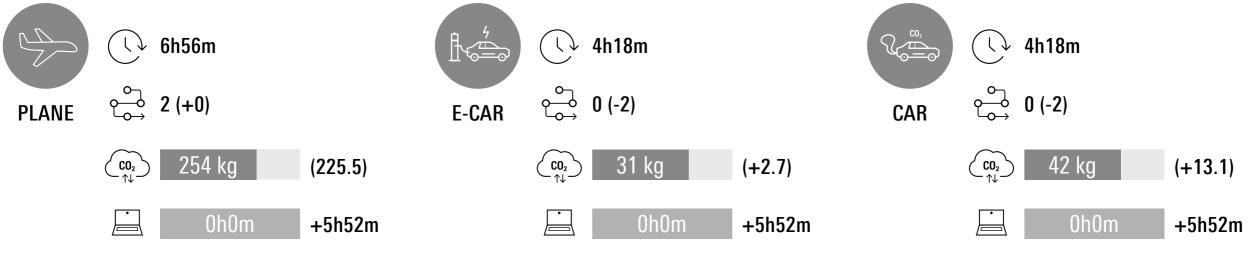
-4h20m



TRIP ADVICE LUXEMBOURG



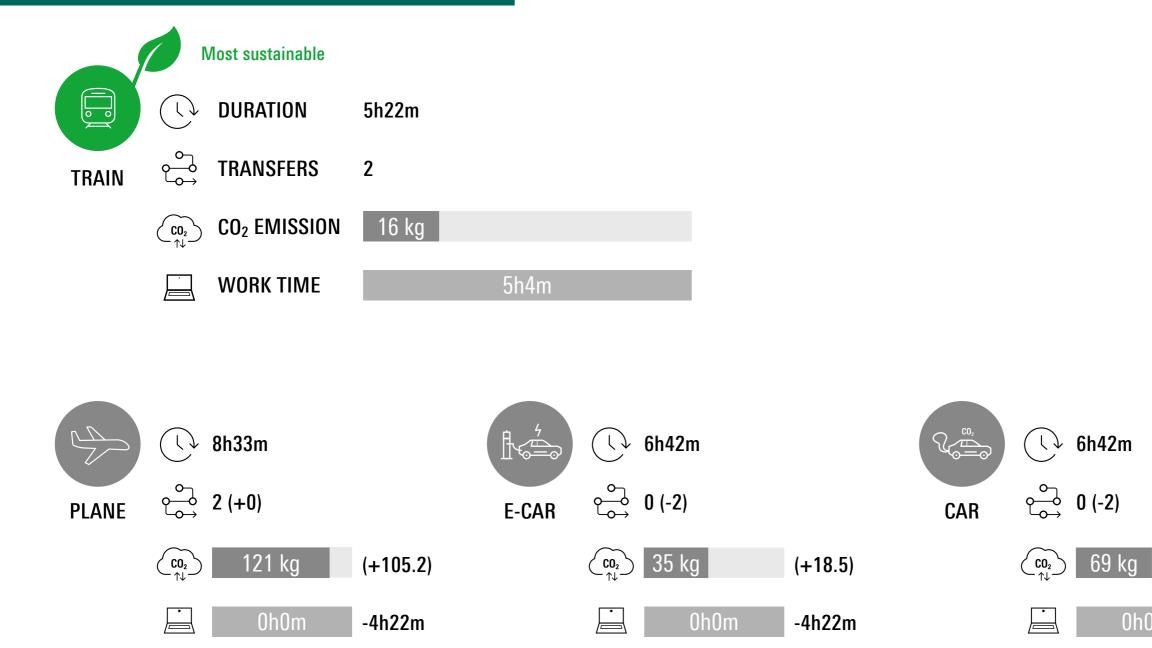




TRIP ADVICE **PARIS**



The best way to get to this destination is by train



(+53)

-4h22m

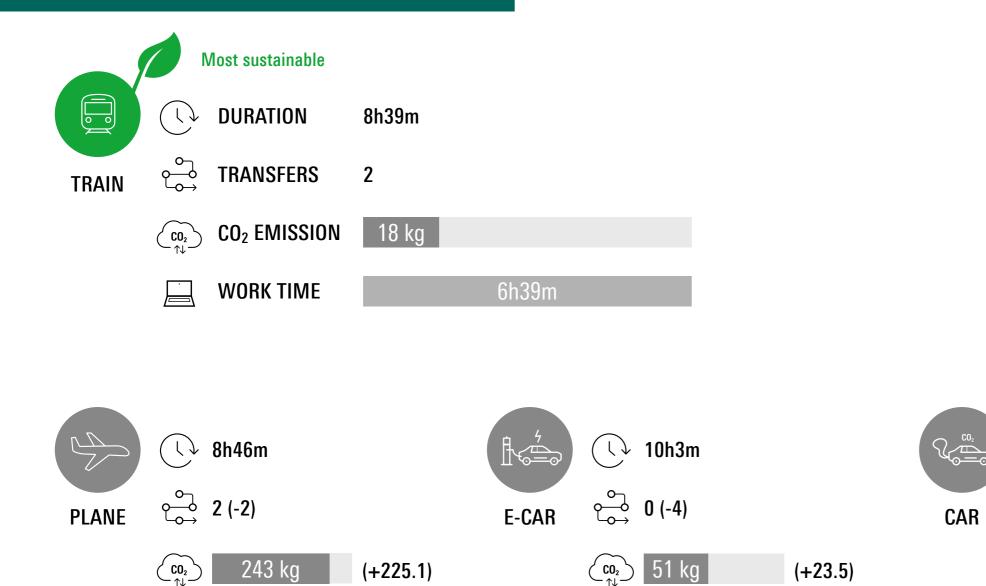
TRIP ADVICE **RENNES**



The best way to get to this destination is by train

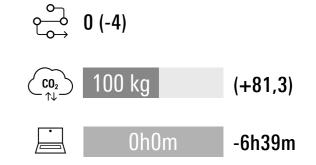
0h0m

-6h39m



0h0m

-6h39m



10h3m

(ノ

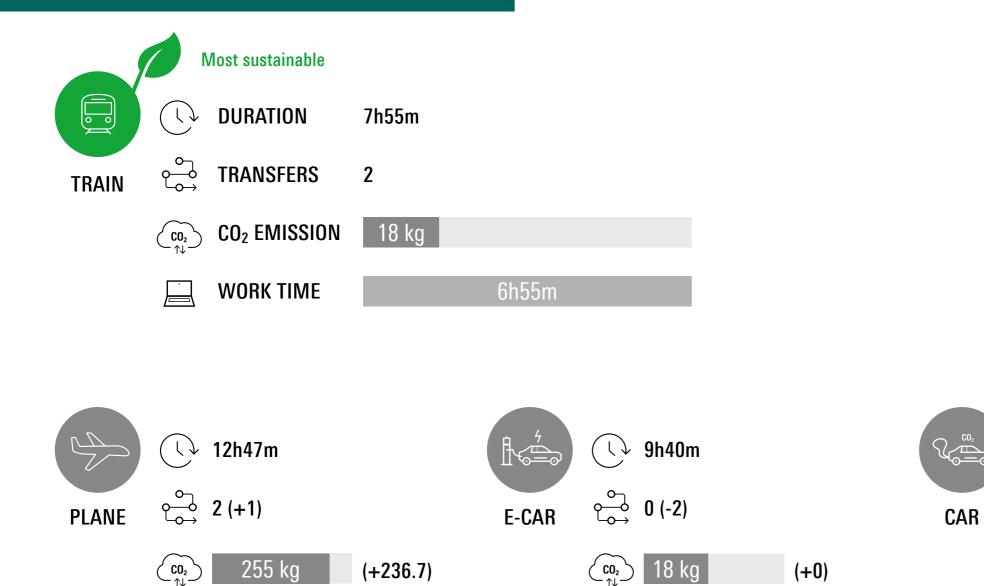
TRIP ADVICE **ANGERS**



The best way to get to this destination is by train

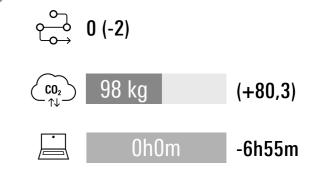
0h0m

-6h55m



0h0m

-6h55m



9h40m

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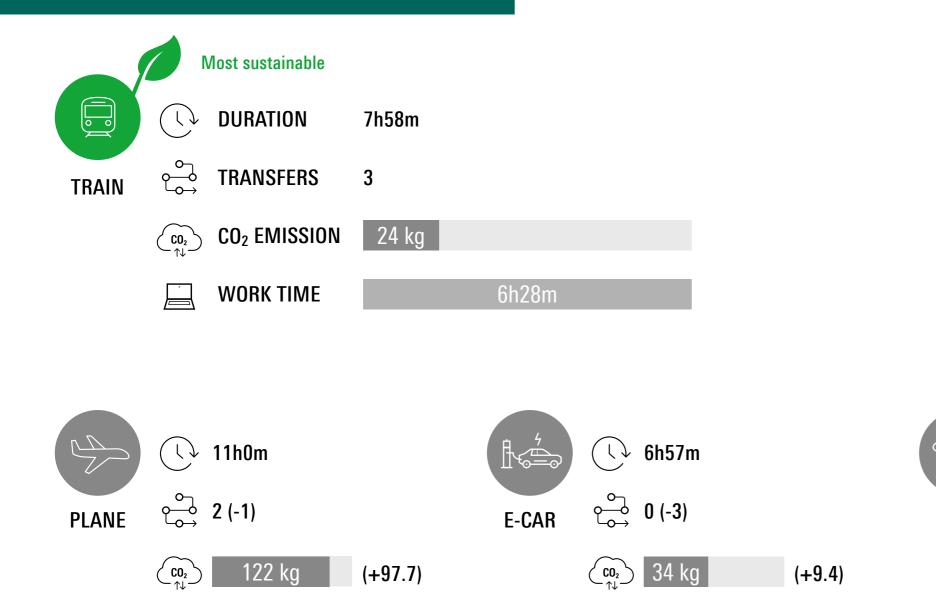
TRIP ADVICE TROYES



The best way to get to this destination is by train

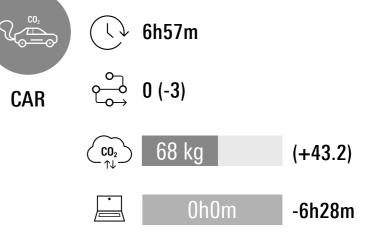
0h0m

-6h28m



0h0m

-6h28m

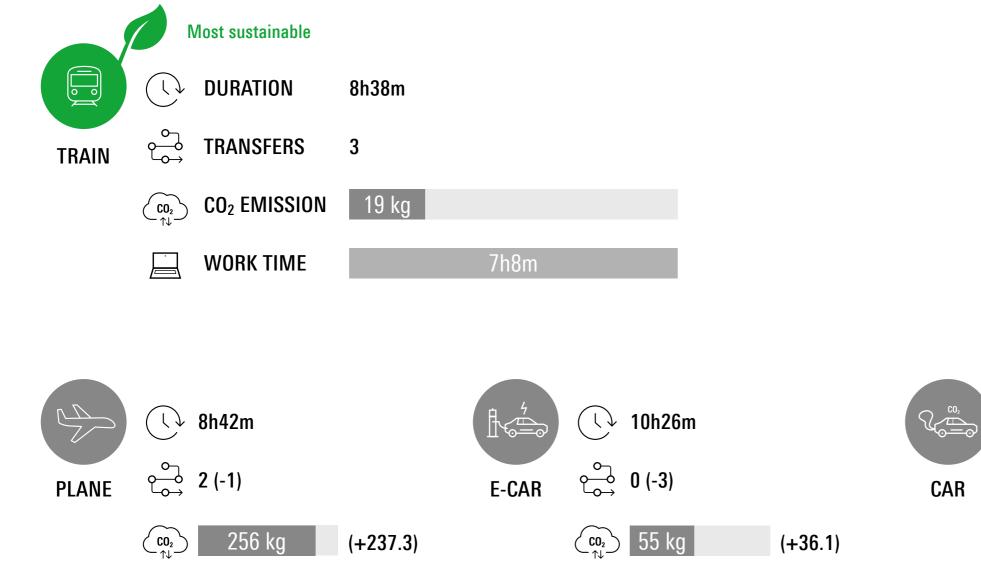




The best way to get to this destination is by train

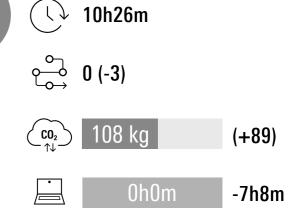
0h0m

-7h8m



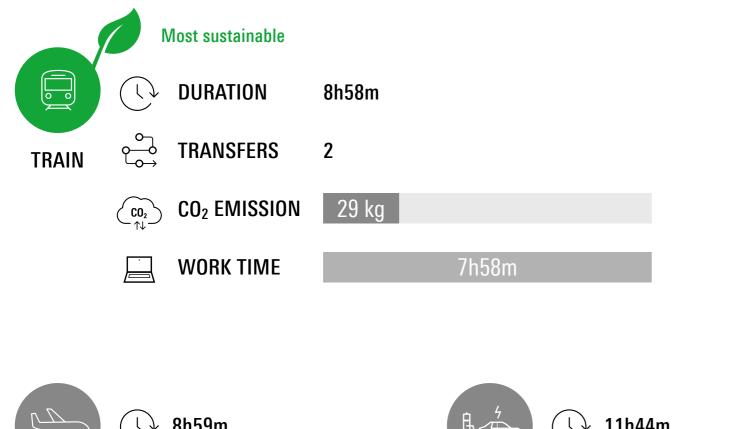
0h0m

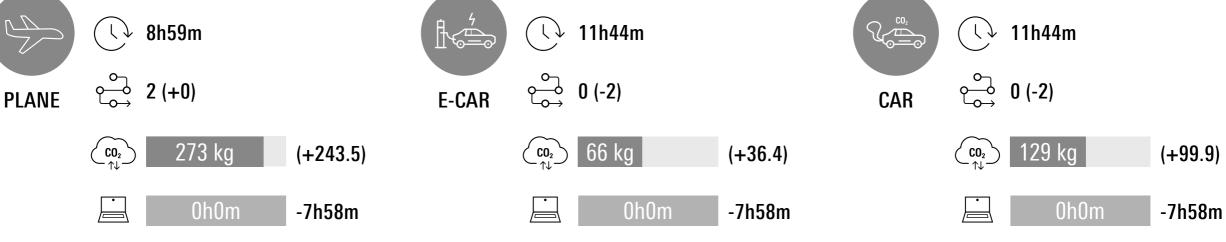
-7h8m



TRIP ADVICE BORDEAUX







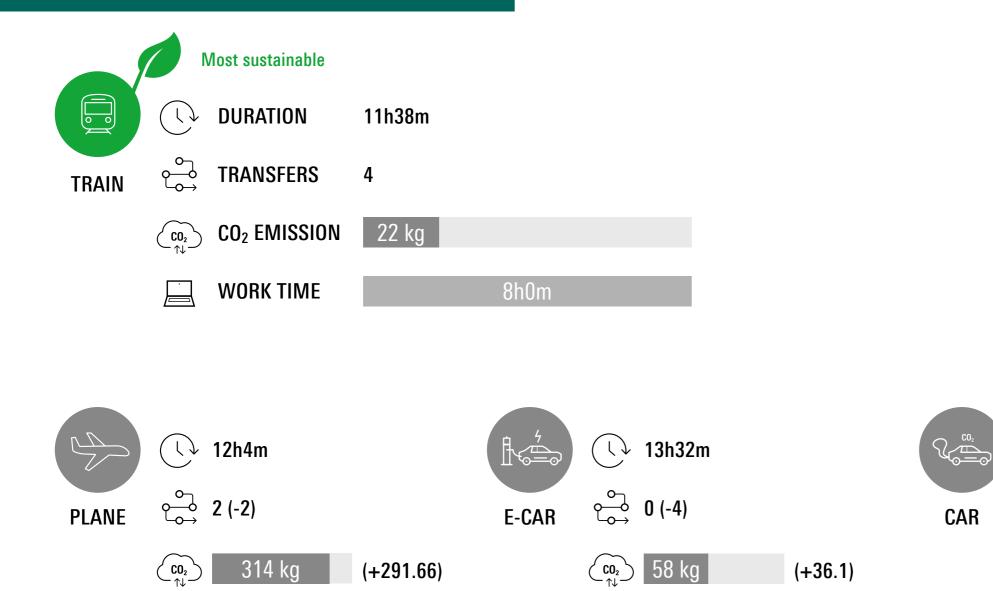
TRIP ADVICE **PAU**



The best way to get to this destination is by train

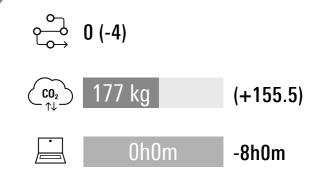
0h0m

-8h0m



0h0m

-8h0m



13h32m

(ノ



The best way to get to this destination is by train

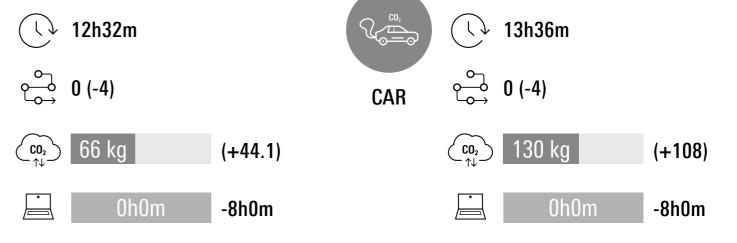
273 kg

0h0m

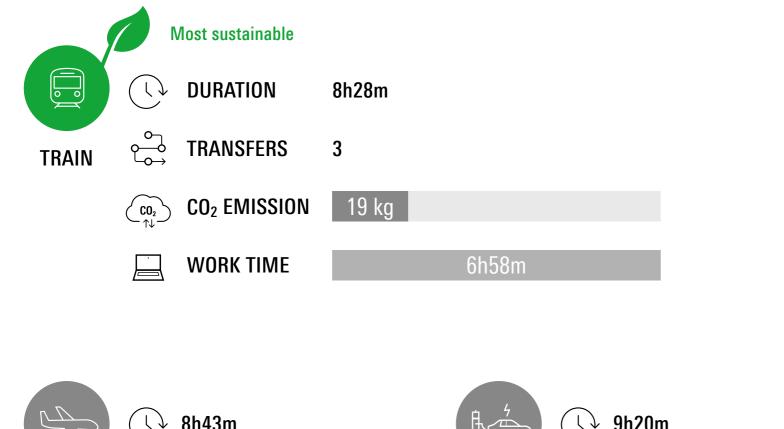


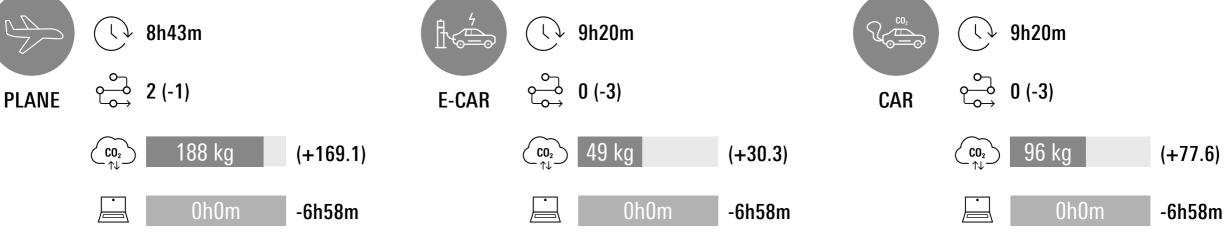
(+251)

-8h0m









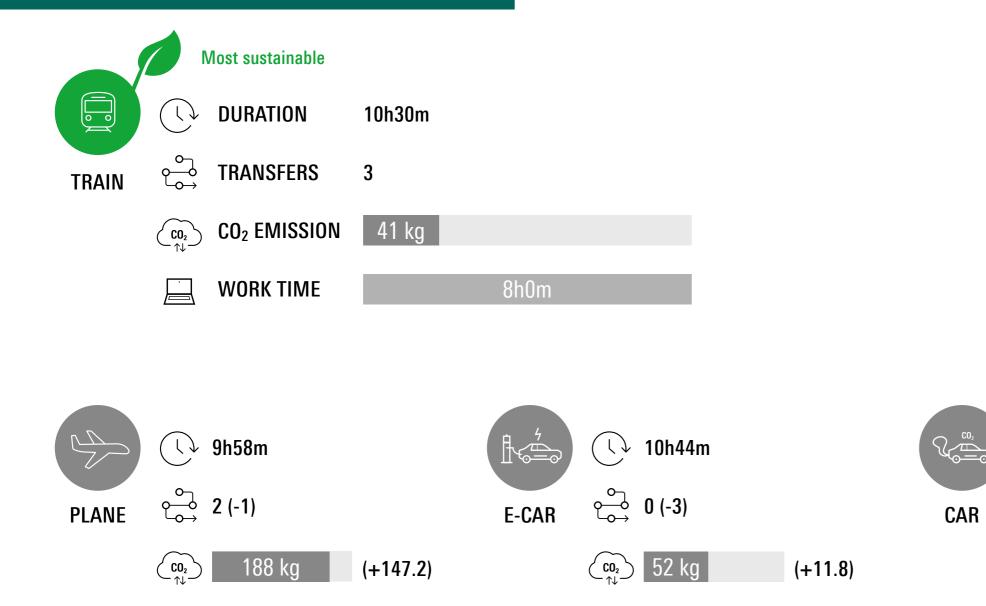
TRIP ADVICE GRENOBLE



The best way to get to this destination is by train

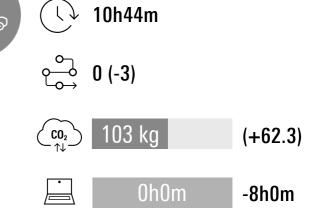
0h0m

-8h0m



0h0m

-8h0m



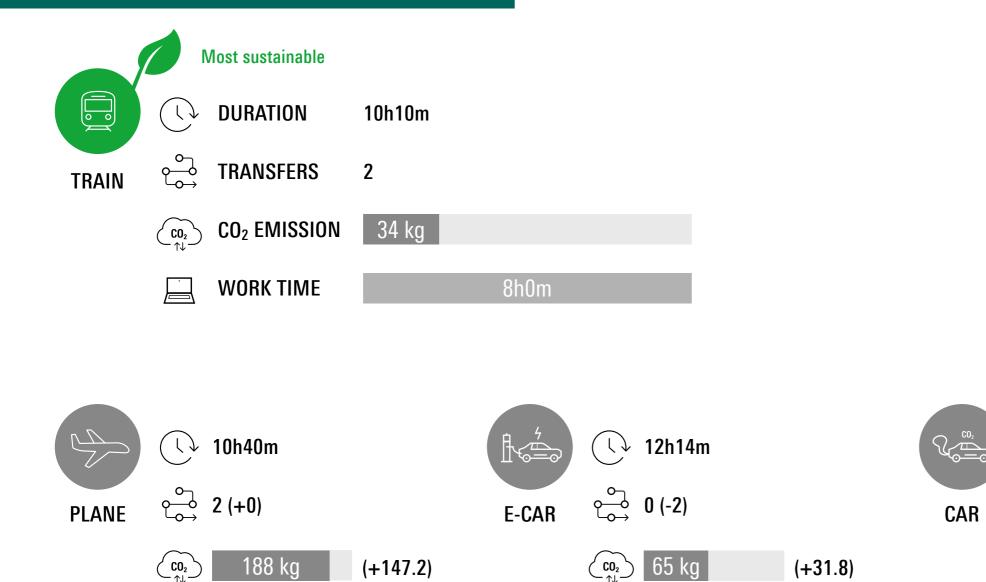
TRIP ADVICE MONTPELLIER

0h0m

-8h0m

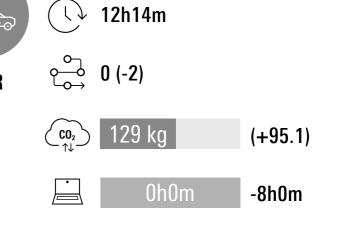


The best way to get to this destination is by train



0h0m

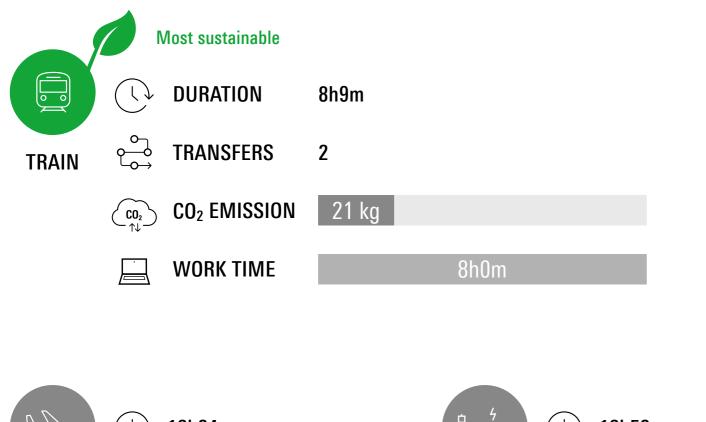
-8h0m

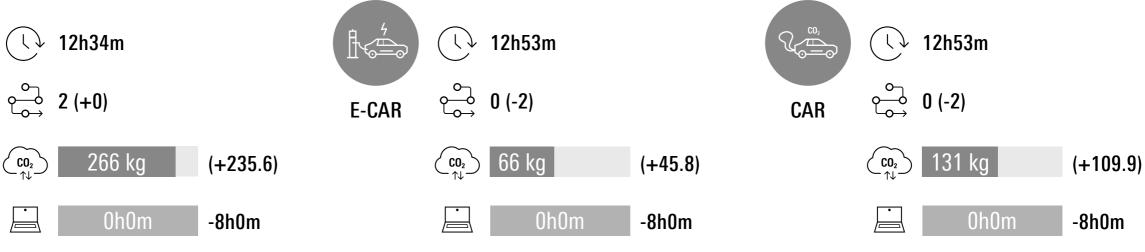


TRIP ADVICE **MARSEILLE**

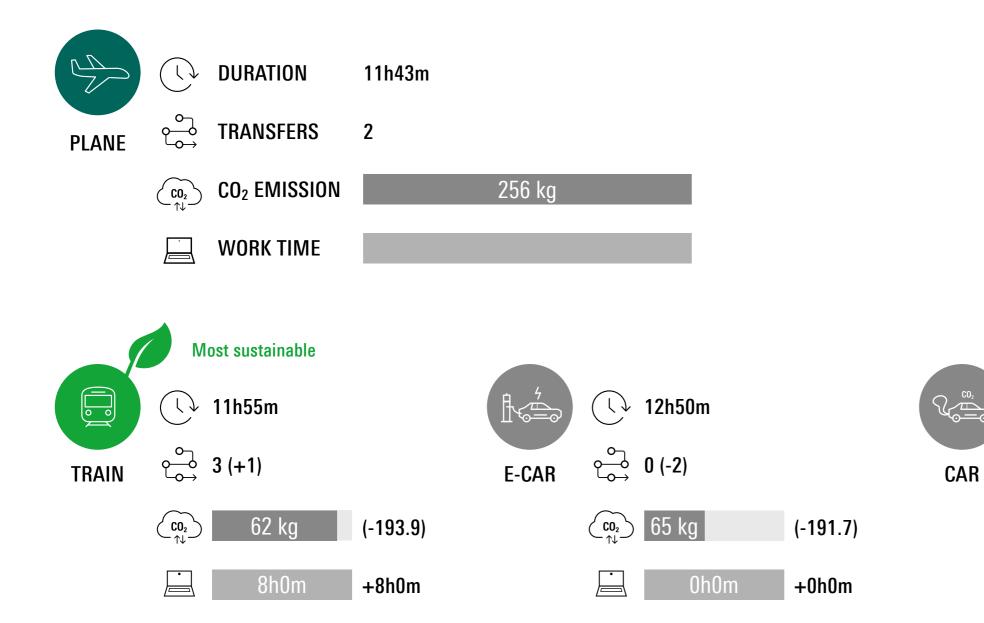
PLANE

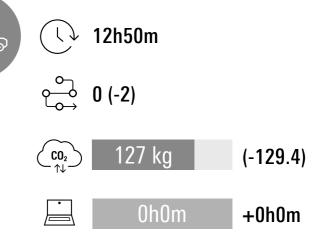




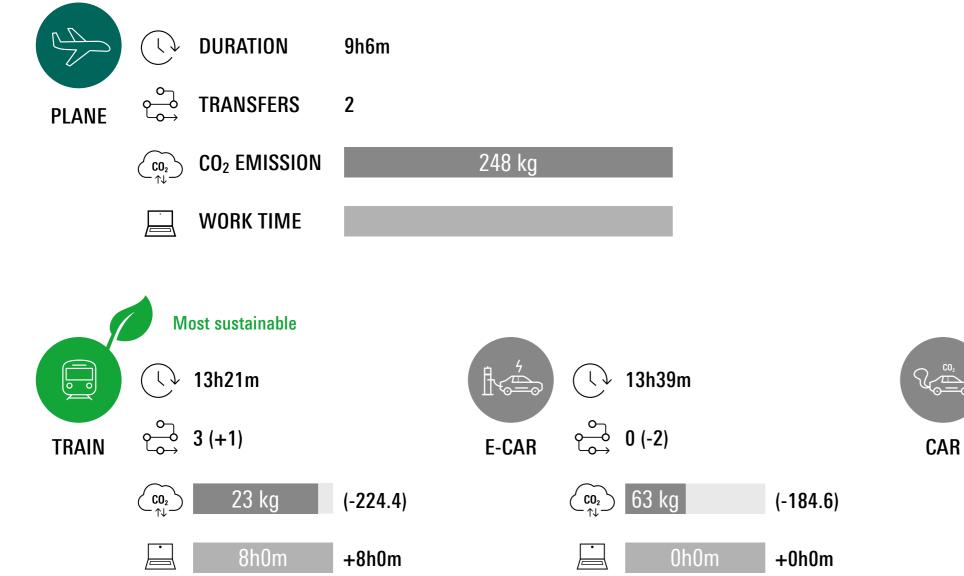


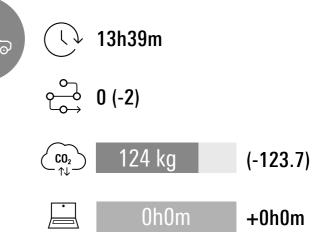




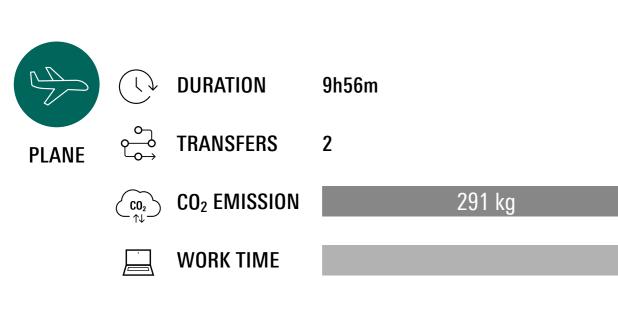


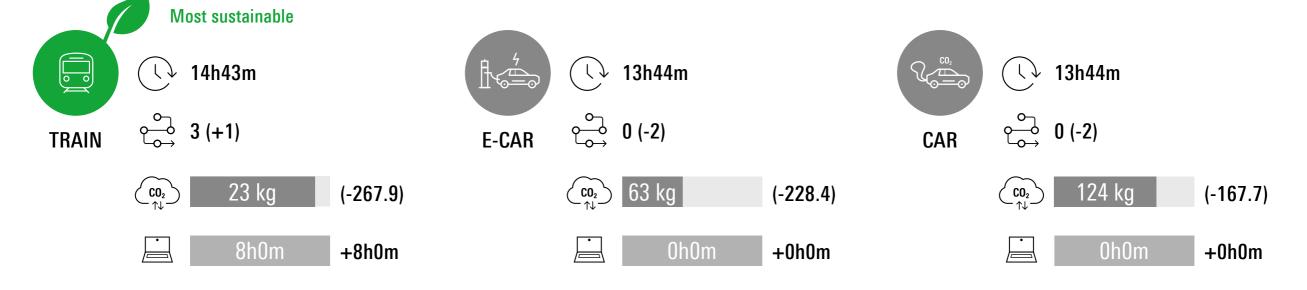






The best way to get to this destination is by plane. \checkmark



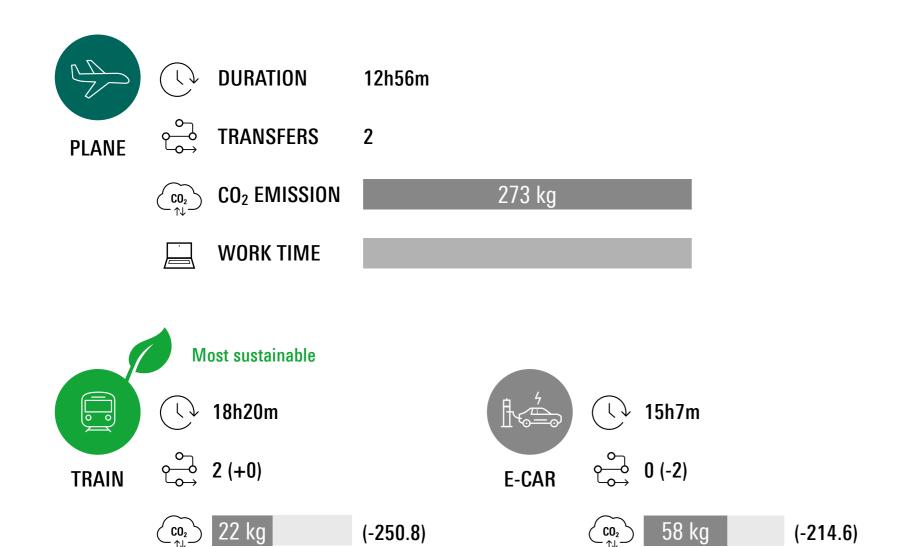


TRIP ADVICE ANDORRA LA VELLA

8h0m

+8h0m

The best way to get to this destination is by plane. \Box



15h7m

178 kg

(-94.6)

+0h0m

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′ **CO**₂

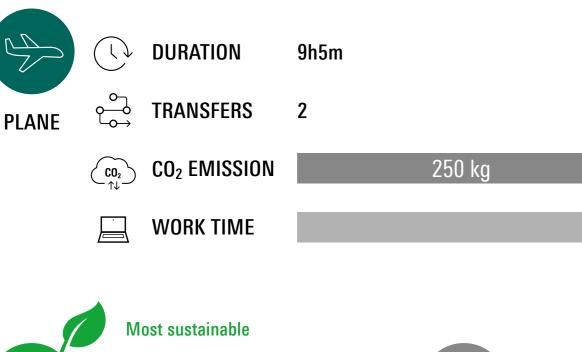
 $\langle \subset \square$

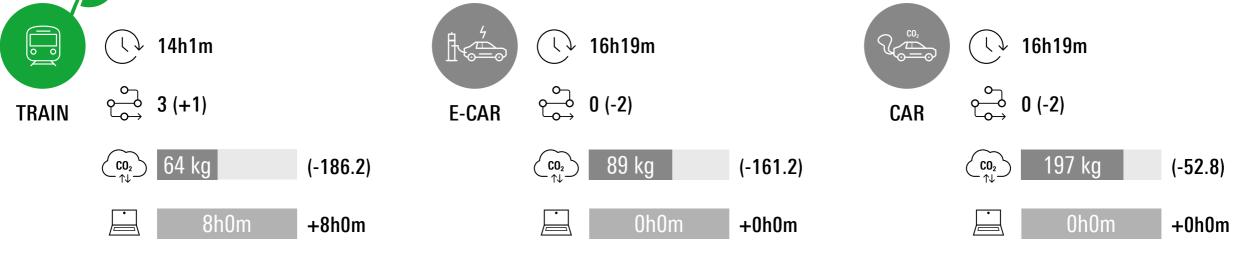
CAR

0h0m

+0h0m

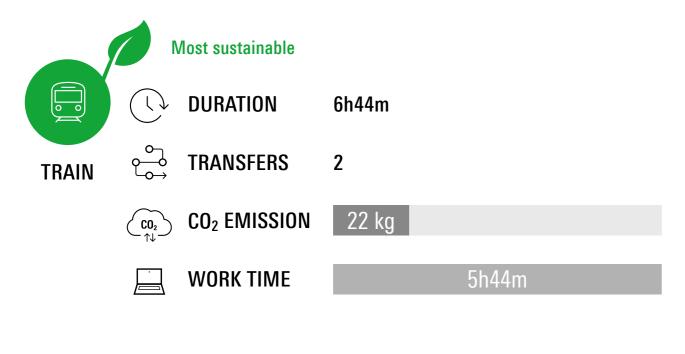
TRIP ADVICE BARCELONA

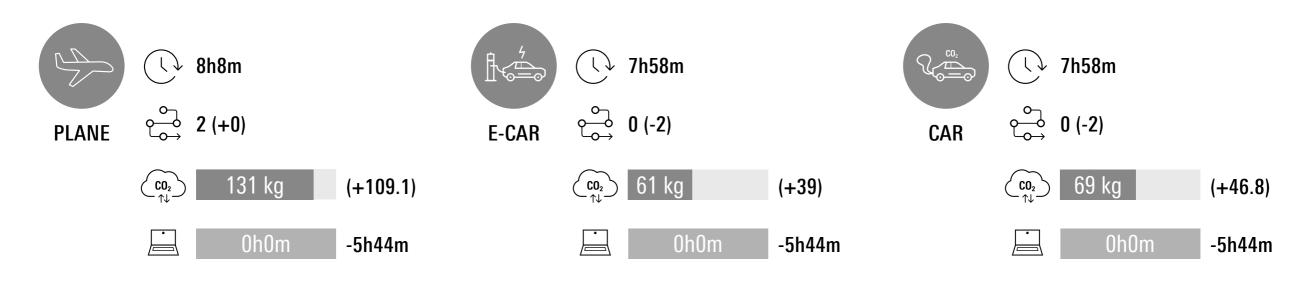




TRIP ADVICE

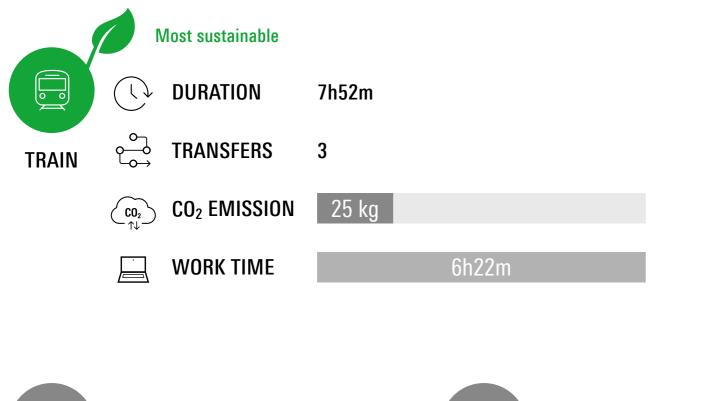


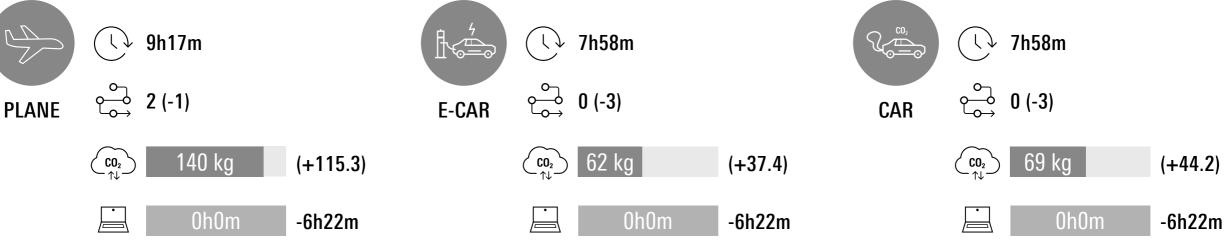




TRIP ADVICE **GUILDFORD**







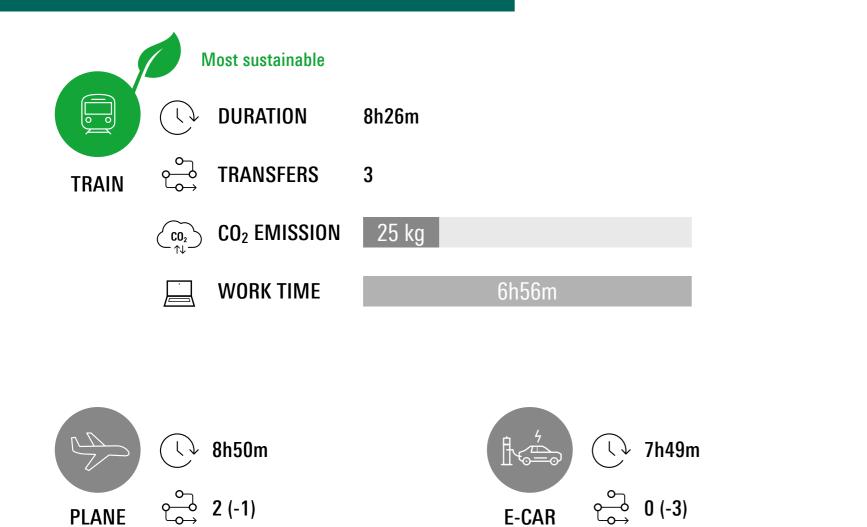
TRIP ADVICE **SOUTHEND**



The best way to get to this destination is by train

121 kg

0h0m



(+95.8)

-6h56m

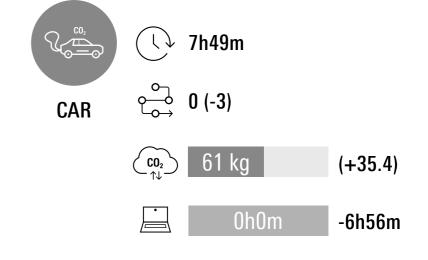
54 kg

0h0m

CO2)

(+28.5)

-6h56m



TRIP ADVICE SOUTHAMPTON

0h0m

-7h6m

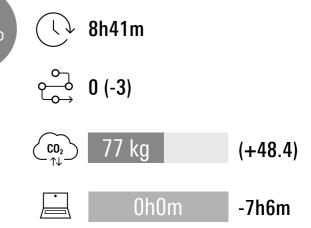


The best way to get to this destination is by train



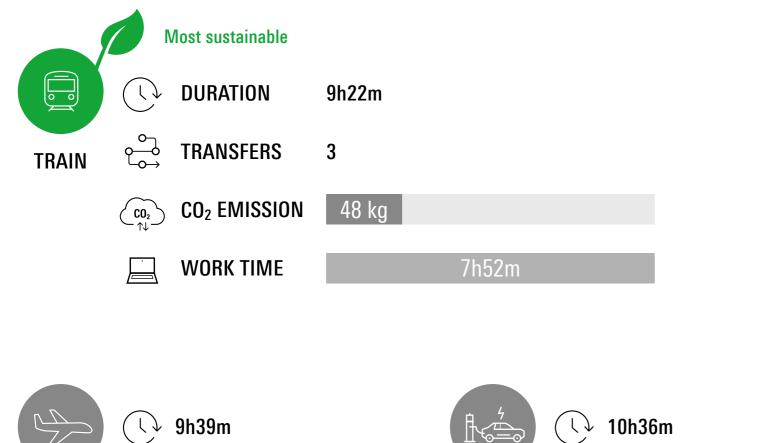
0h0m

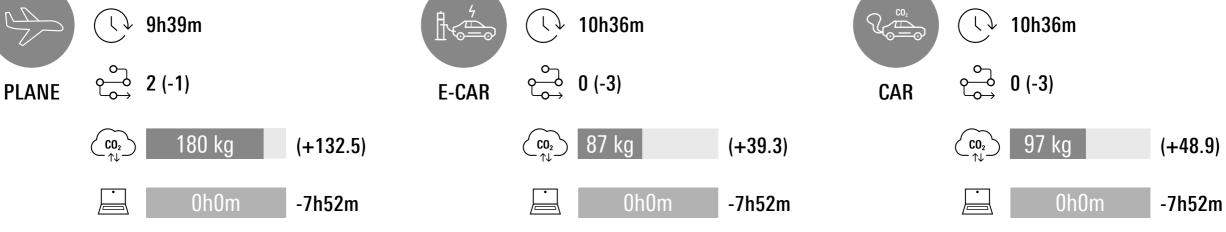
-7h6m



TRIP ADVICE **EXETER**







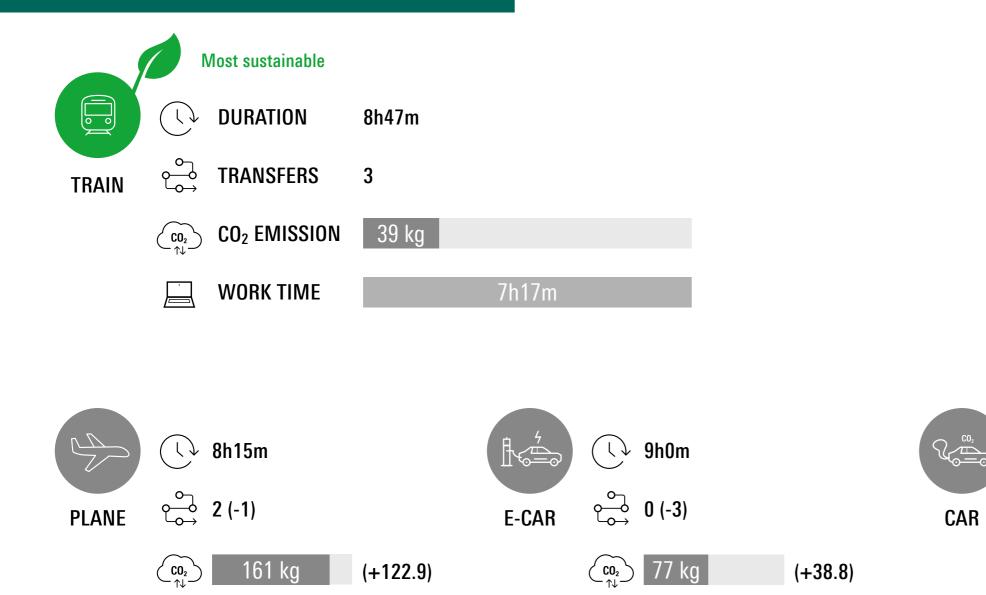
TRIP ADVICE BRISTOL



The best way to get to this destination is by train

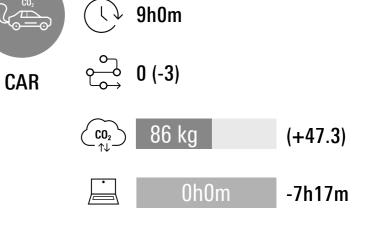
0h0m

-7h17m



0h0m

-7h17m



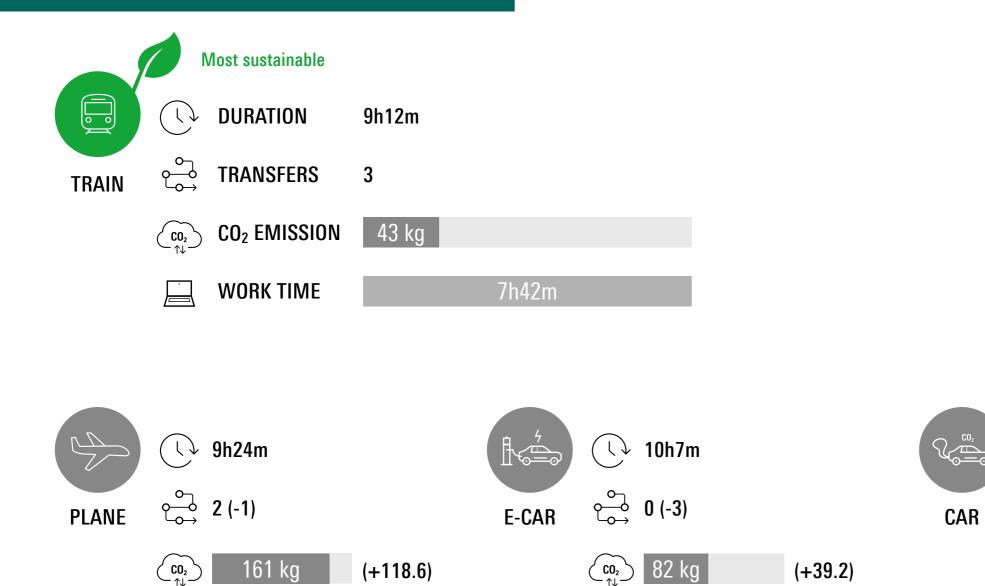
TRIP ADVICE



The best way to get to this destination is by train

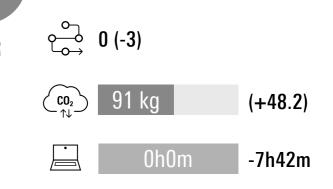
0h0m

-7h42m



0h0m

-7h42m



10h7m

(ノ

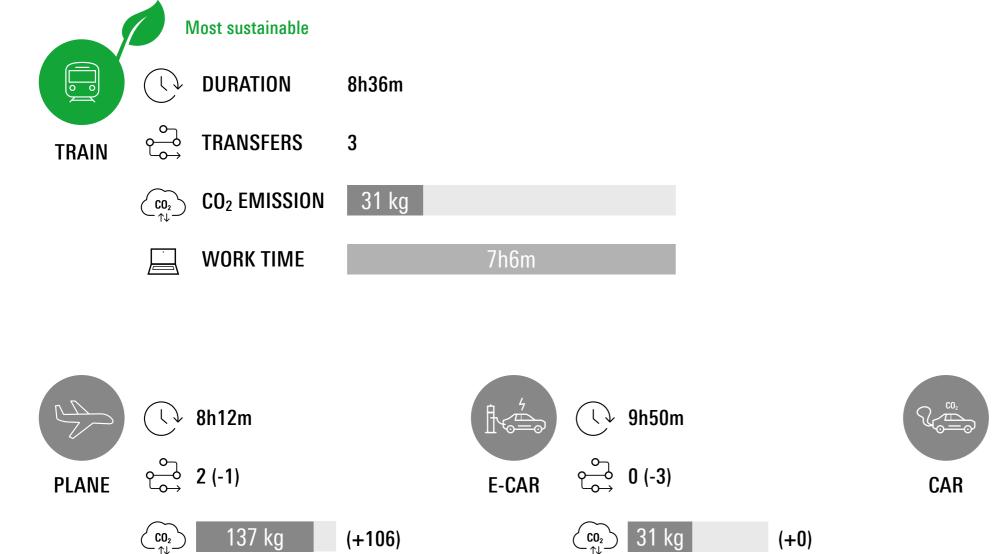
TRIP ADVICE BIRMINGHAM

0h0m

-7h6m



The best way to get to this destination is by train



0h0m

-7h6m



9h50m

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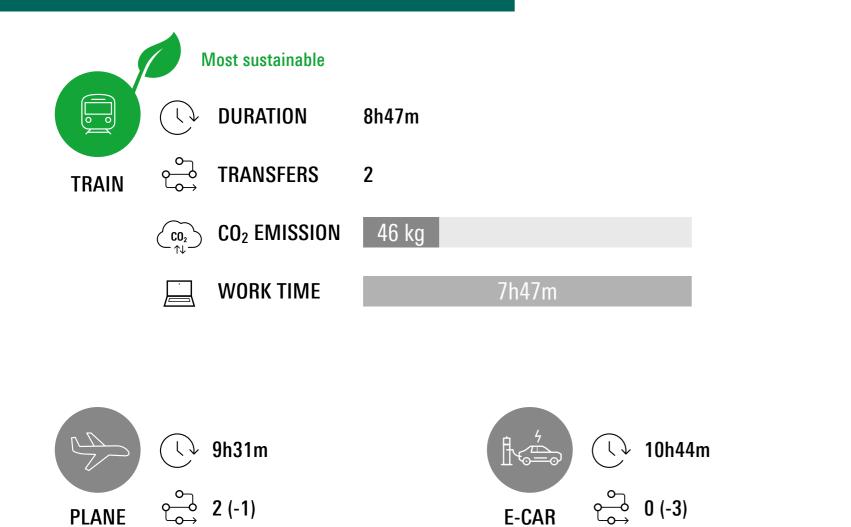
TRIP ADVICE SHEFFIELD



The best way to get to this destination is by train

142 kg

0h0m



(+95.6)

-7h47m

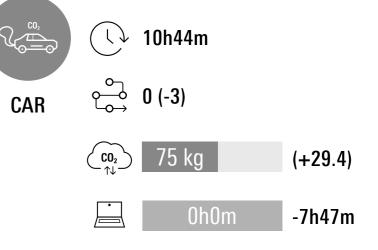
68 kg

0h0m

່ CO₂ `

(+21.9)

-7h47m



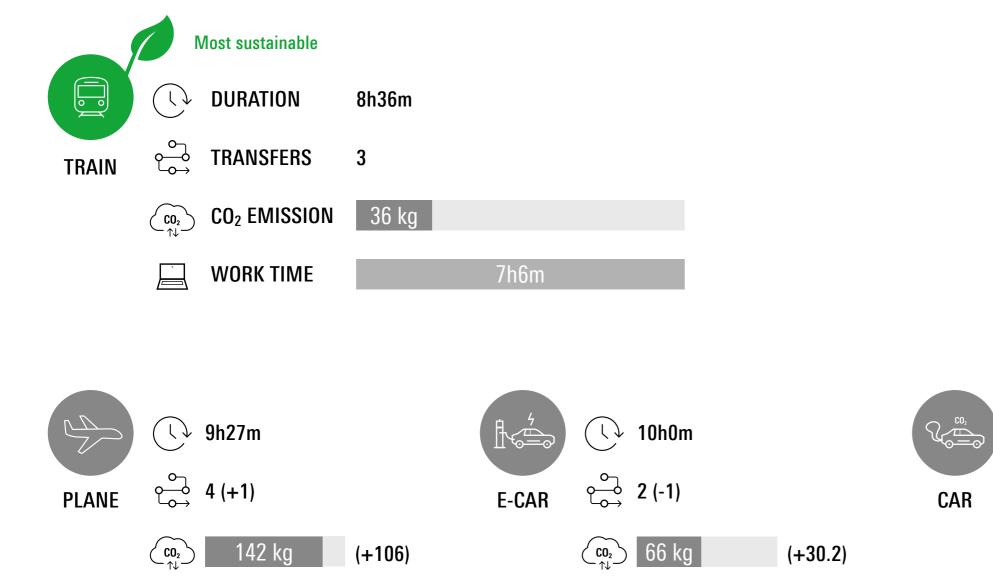
TRIP ADVICE DONCASTER

0h0m

-7h6m

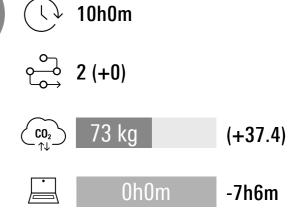


The best way to get to this destination is by train



0h0m

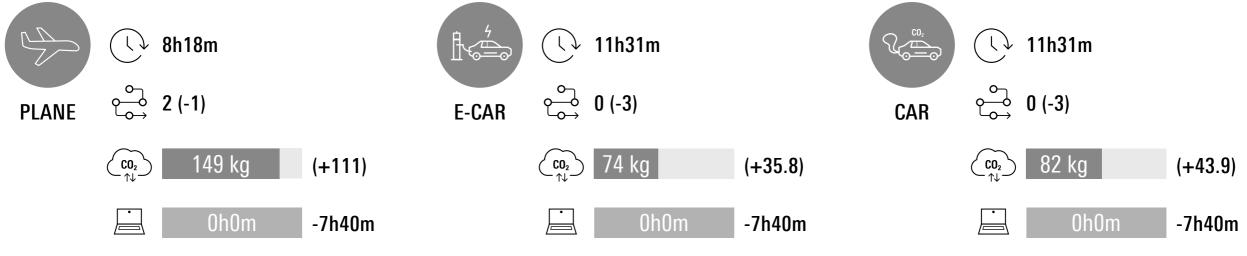
-7h6m



TRIP ADVICE MANCHESTER

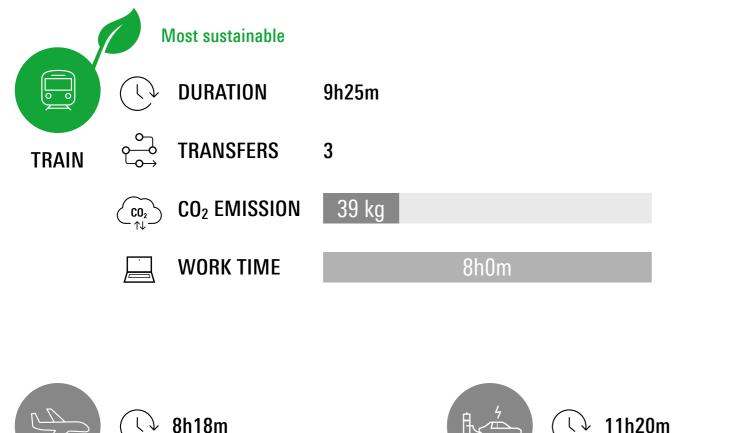


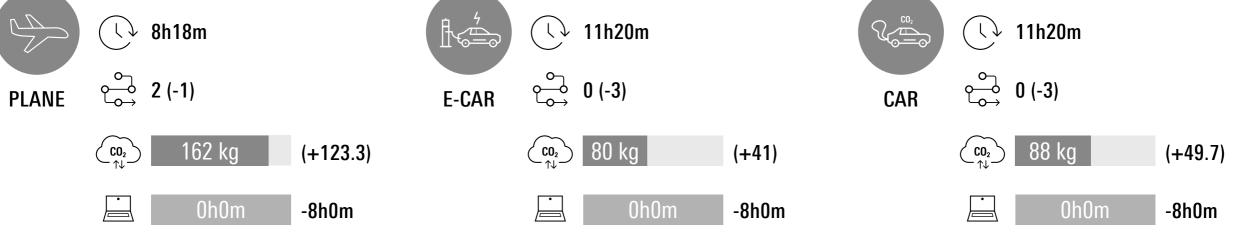




TRIP ADVICE

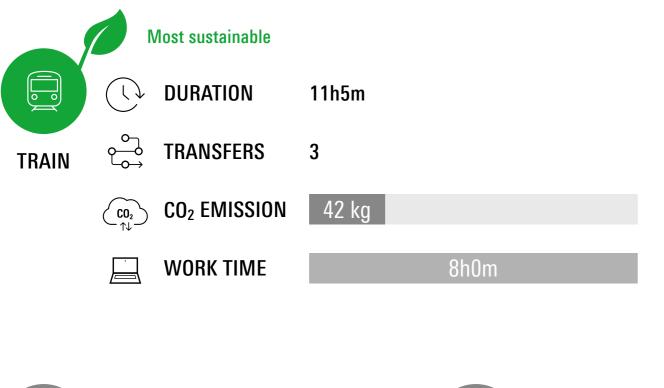


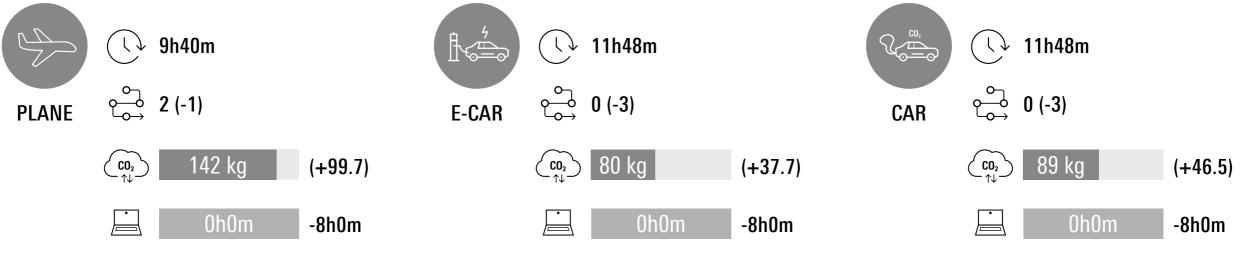




TRIP ADVICE LANCASTER



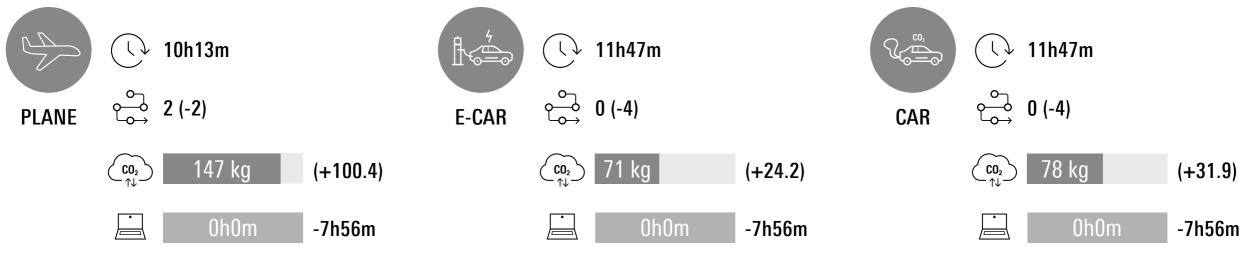




TRIP ADVICE MIDDLESBROUGH

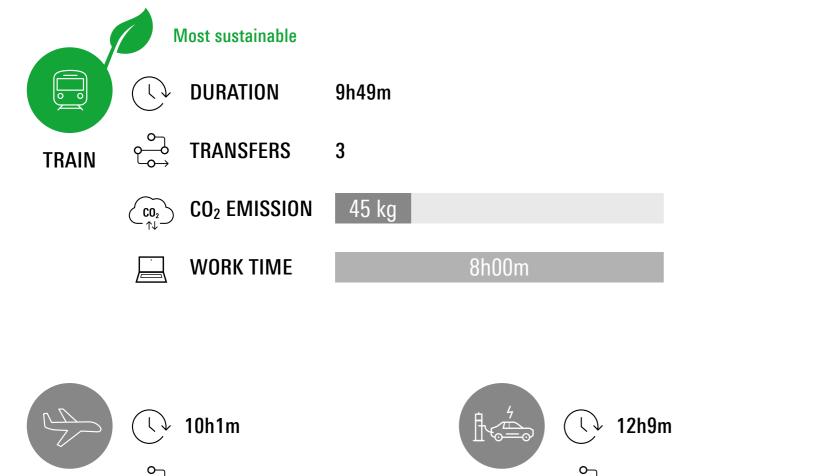


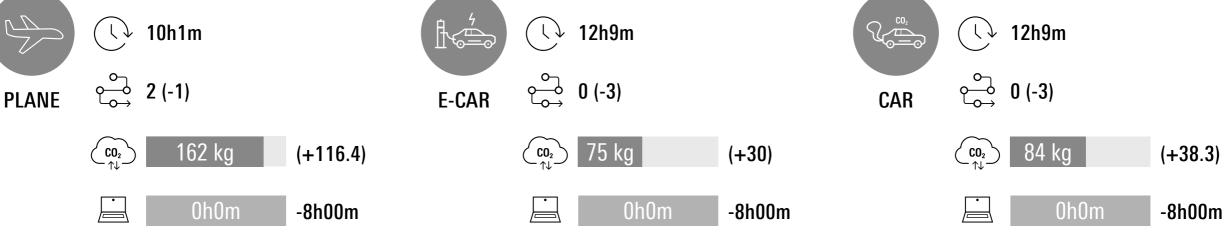




TRIP ADVICE **NEWCASTLE**

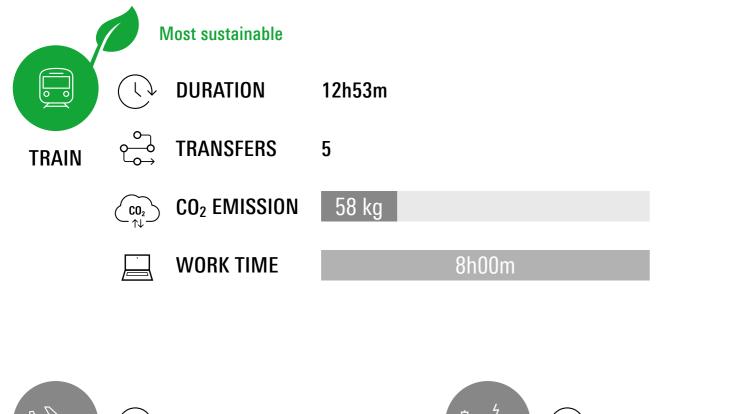


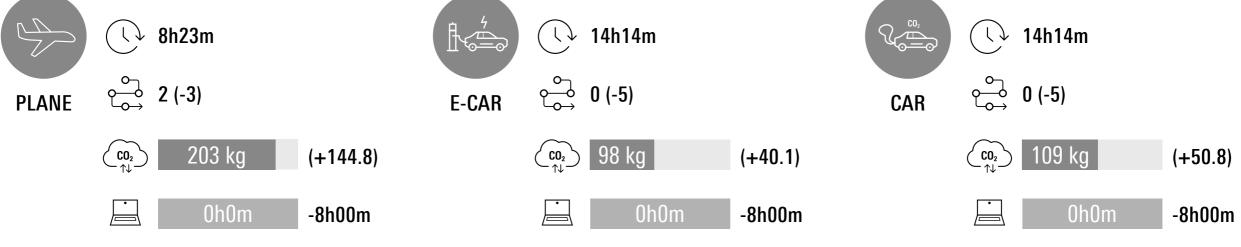




TRIP ADVICE GLASGOW







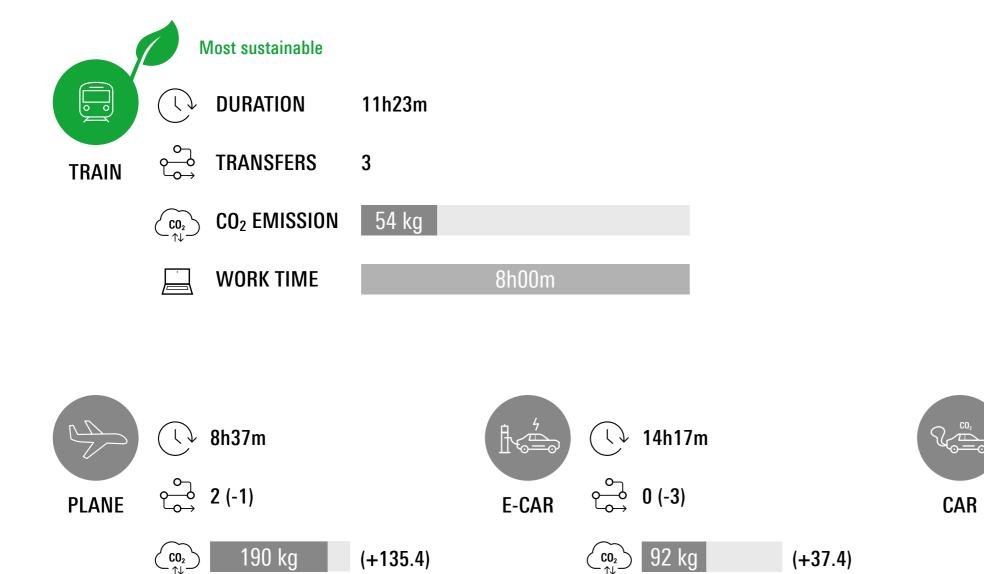
TRIP ADVICE EDINBURGH

0h0m

-8h00m

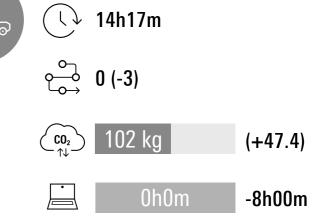


The best way to get to this destination is by train



0h0m

-8h00m



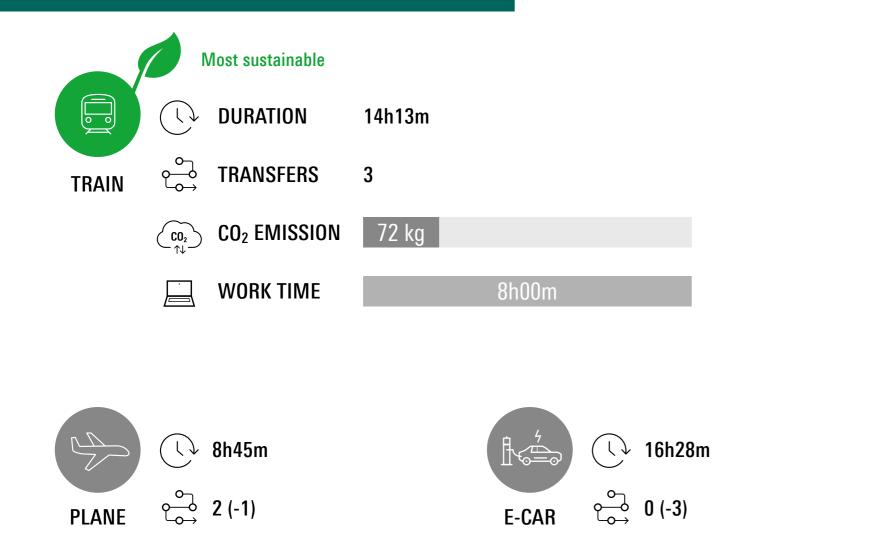
TRIP ADVICE **ABERDEEN**



The best way to get to this destination is by train

196 kg

0h0m



(+124)

-8h00m

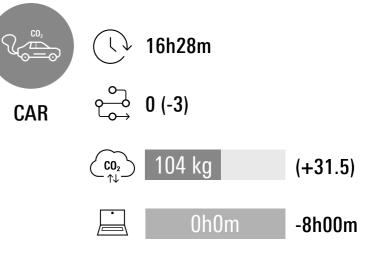
94 kg

0h0m

CO2)

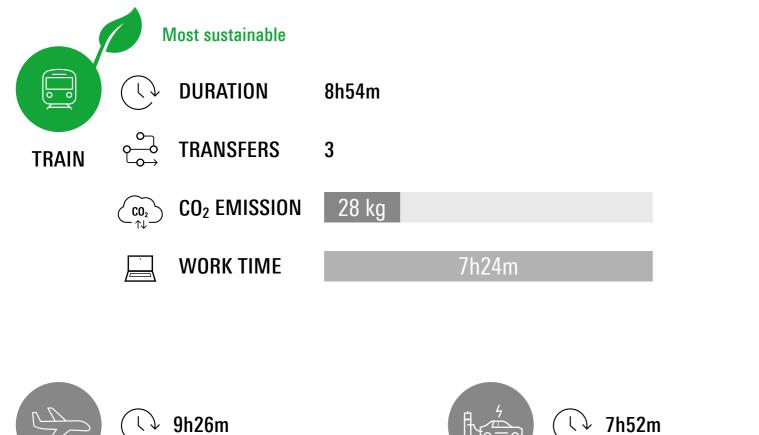
(+21.2)

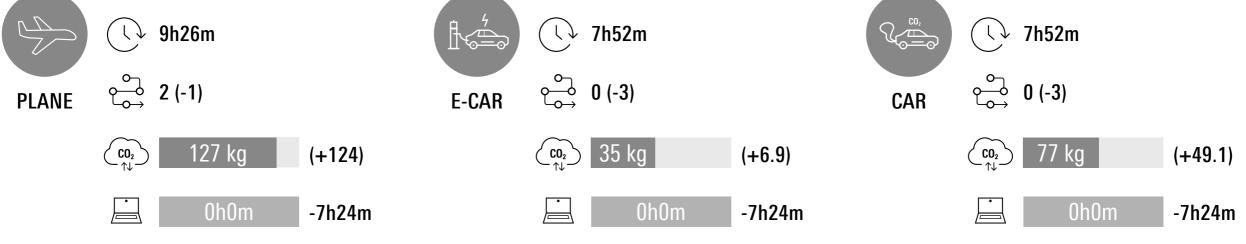
-8h00m



TRIP ADVICE BERN

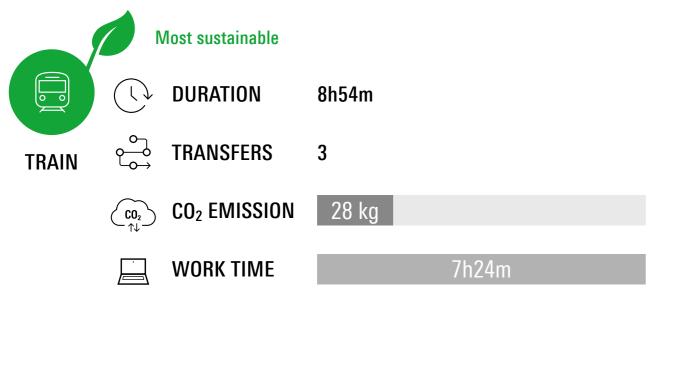


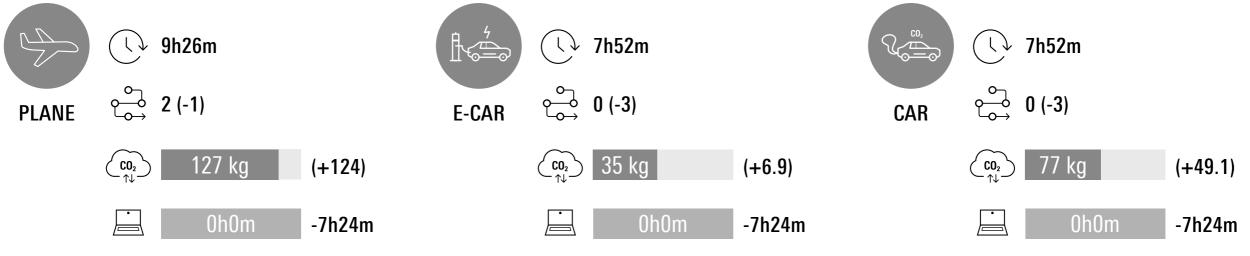




TRIP ADVICE **BASEL**

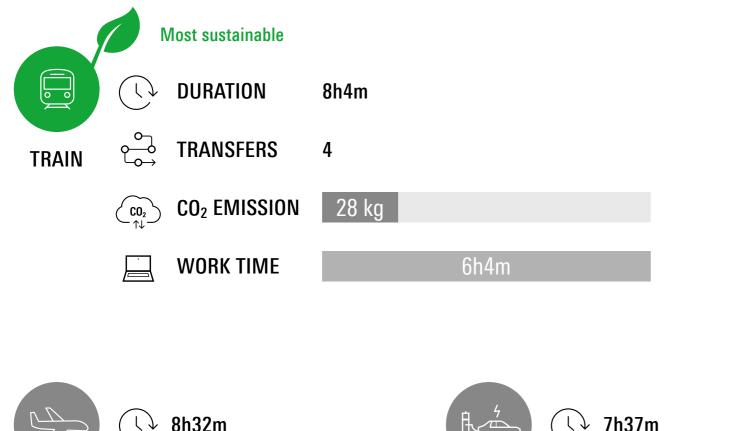


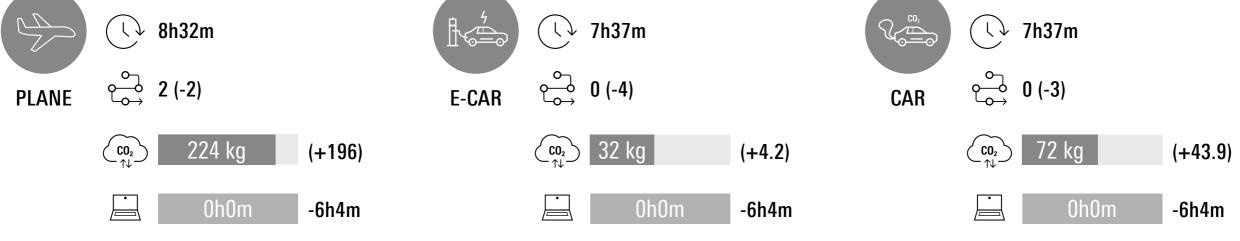




TRIP ADVICE **ZURICH**



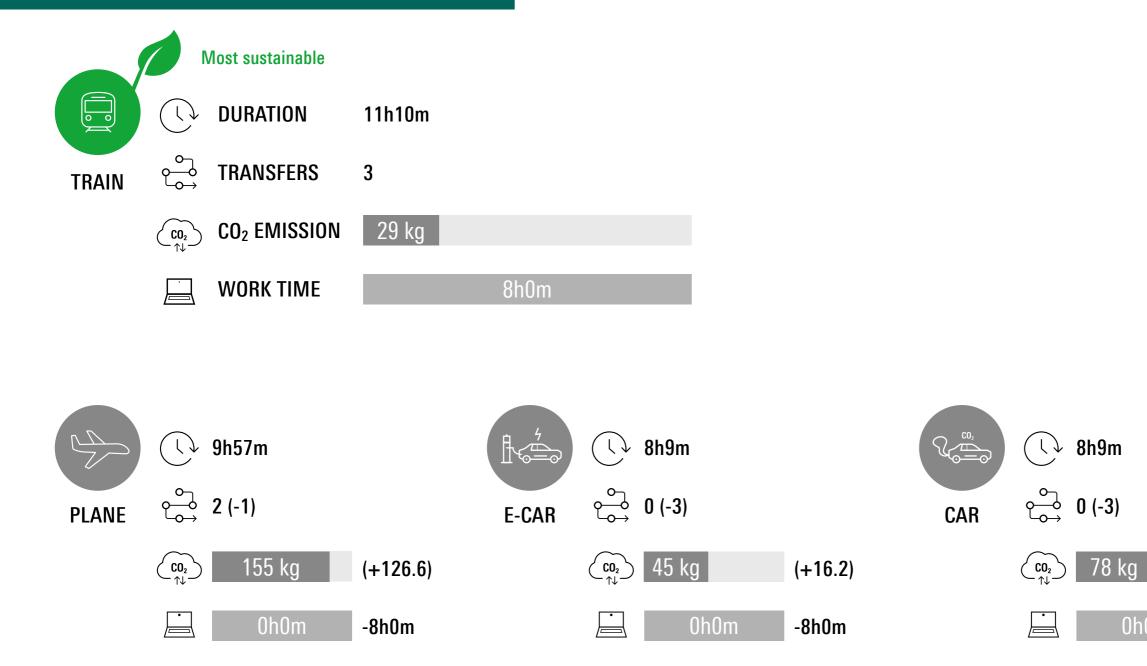




TRIP ADVICE



The best way to get to this destination is by train



(+43.9)

-8h0m

TRIP ADVICE LAUSANNE

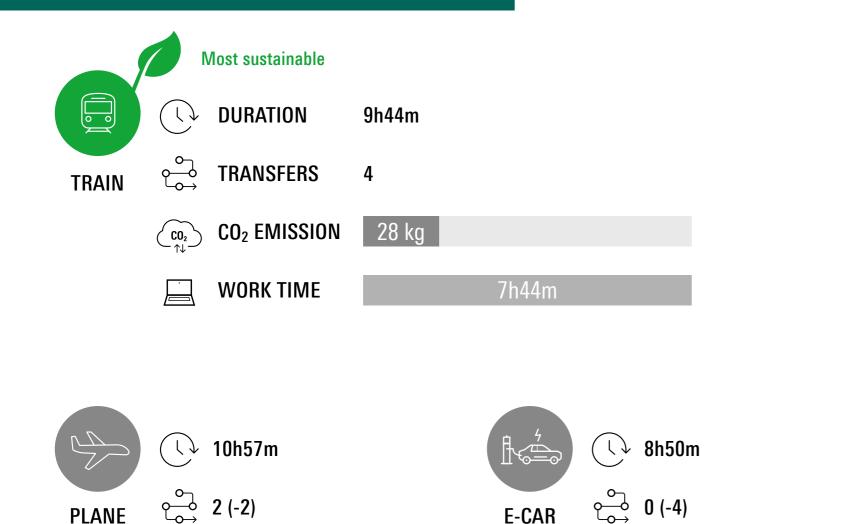
PLANE



The best way to get to this destination is by train

170 kg

0h0m



(+141.6)

-7h44m

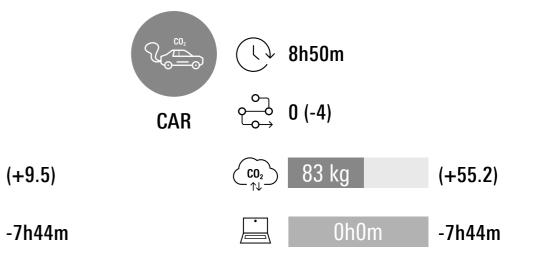
E-CAR

37 kg

0h0m

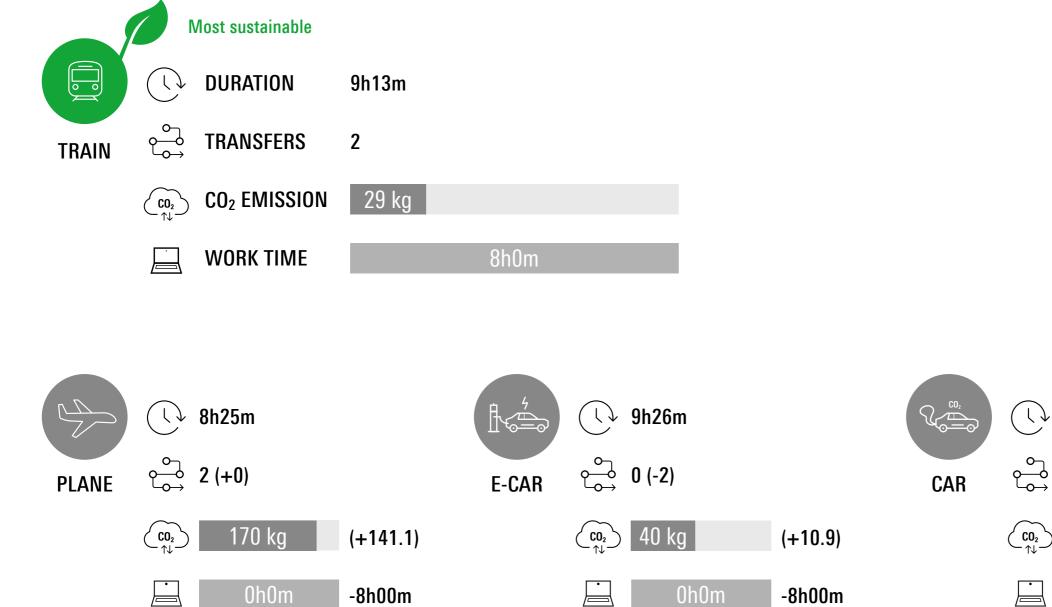
໌ CO₂ `

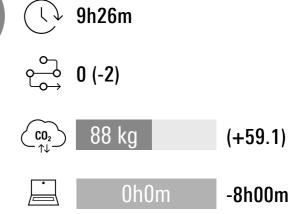
(+9.5)



TRIP ADVICE **GENEVA**



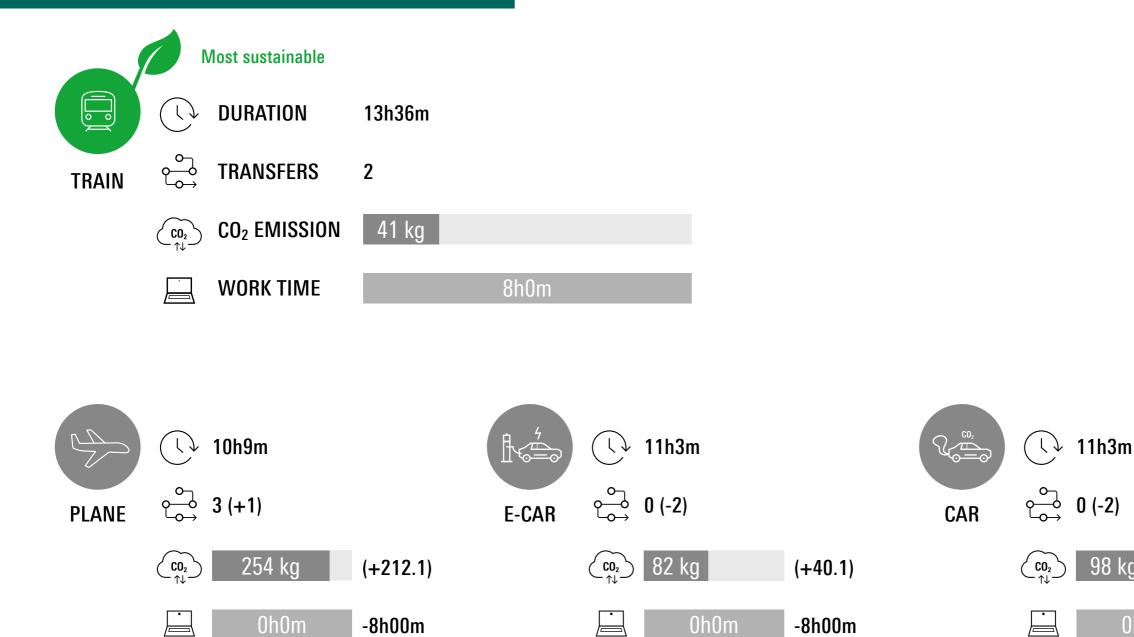




TRIP ADVICE TRENTO



The best way to get to this destination is by train



98 kg

(+56.6)

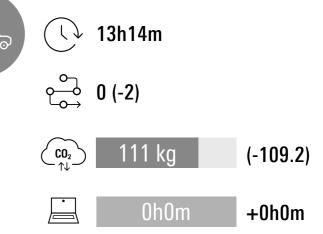
-8h00m

TRIP ADVICE

The best way to get to this destination is by plane. \checkmark

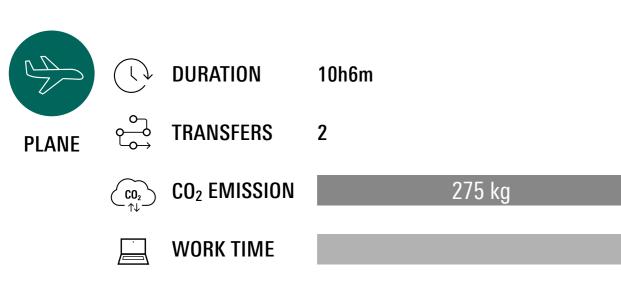


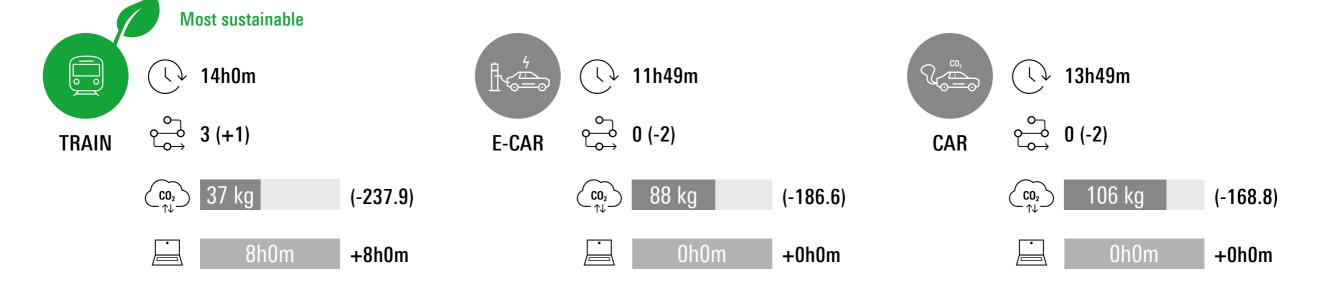




TRIP ADVICE **VERONA**

The best way to get to this destination is by plane. \checkmark





TRIP ADVICE

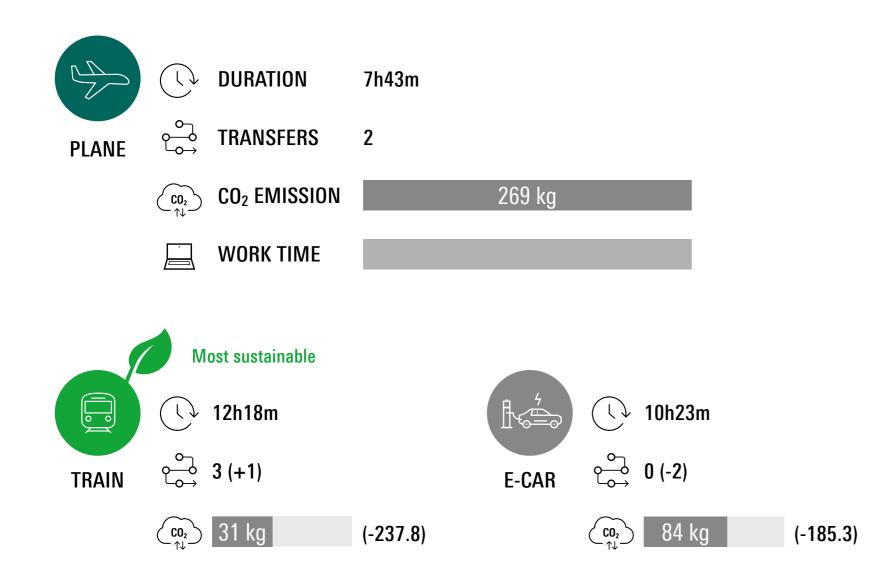
The best way to get to this destination is by plane. \checkmark

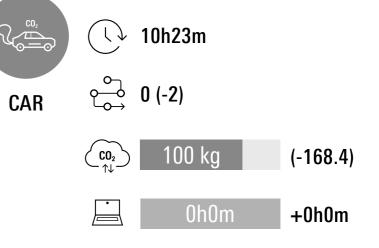
8h0m

+8h0m

0h0m

+0h0m





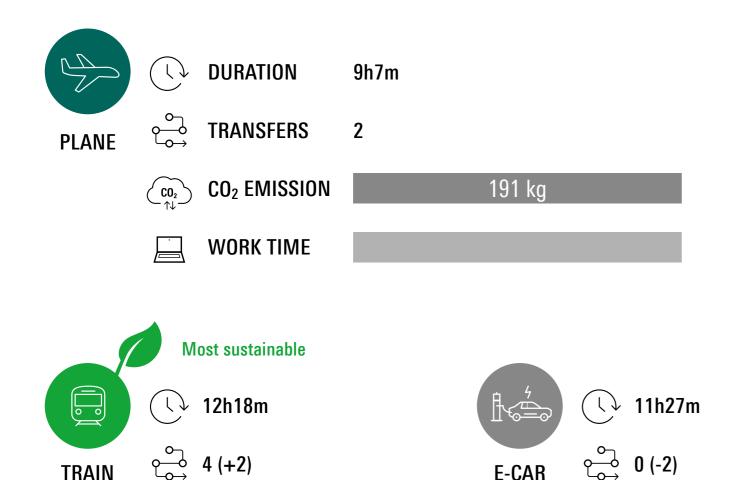
TRIP ADVICE TURIN

TRAIN

The best way to get to this destination is by plane.

37 kg

8h0m



(-153.3)

+8h0m

E-CAR

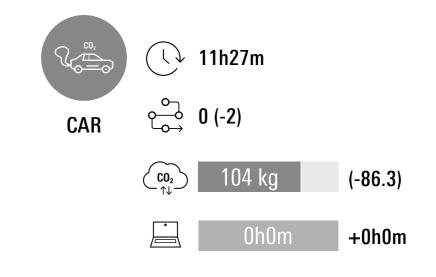
87 kg

0h0m

CO₂

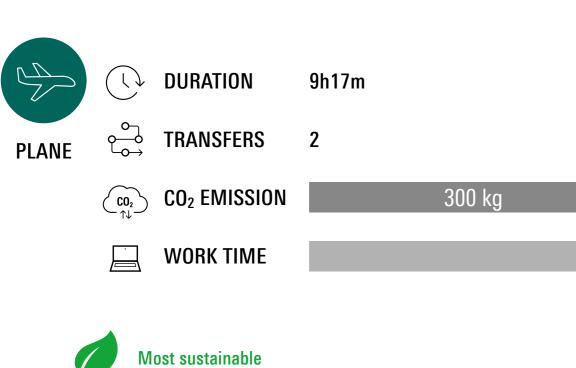
(-103.8)

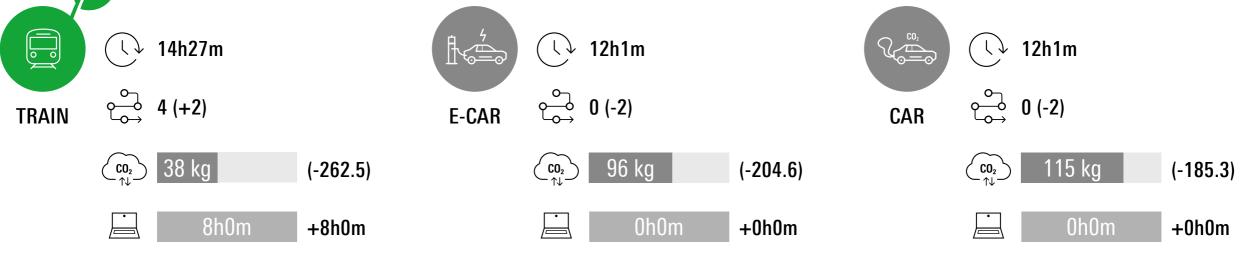
+0h0m



TRIP ADVICE **GENOVA**

The best way to get to this destination is by plane. \checkmark





TRIP ADVICE **SAN MARINO**

The best way to get to this destination is by plane.

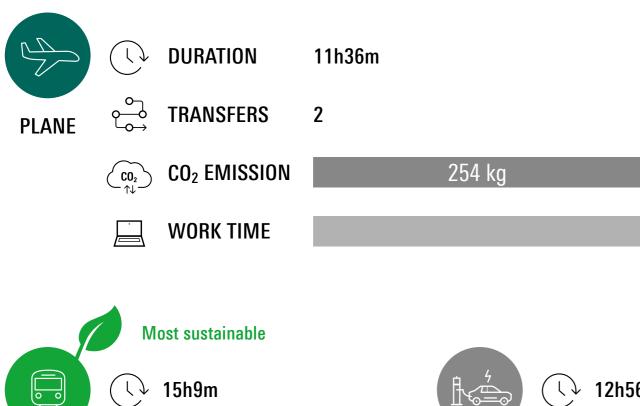
← 4 (+2)

CO₂

49 kg

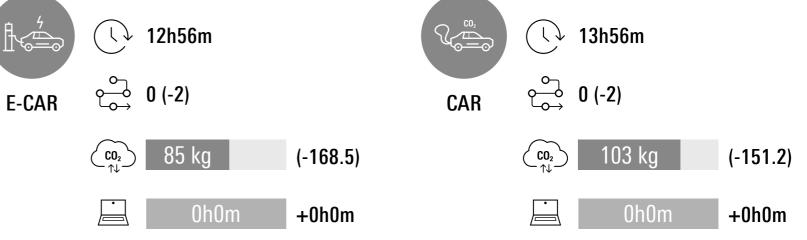
8h0m

TRAIN



(-205.1)

+8h0m

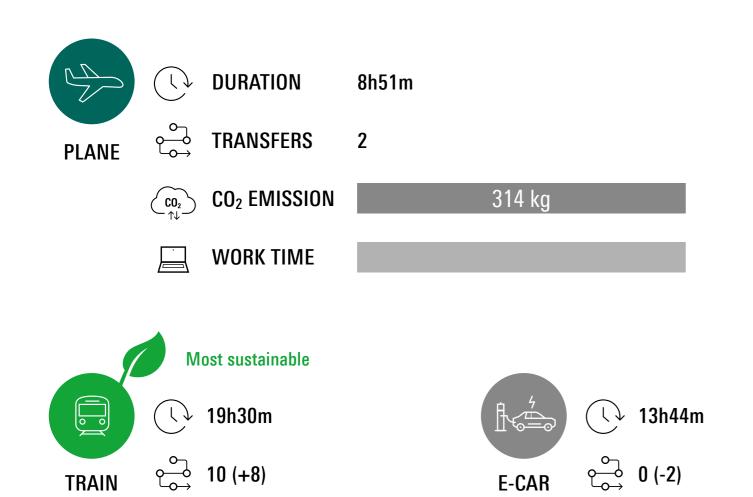


TRIP ADVICE FLORENCE

The best way to get to this destination is by plane.

45 kg

8h0m



(-268.8)

+8h0m

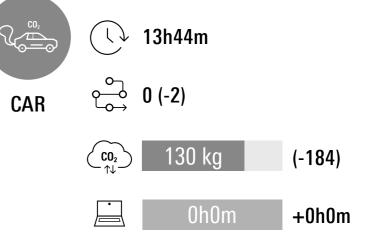
108 kg

0h0m

CO2

(-205.8)

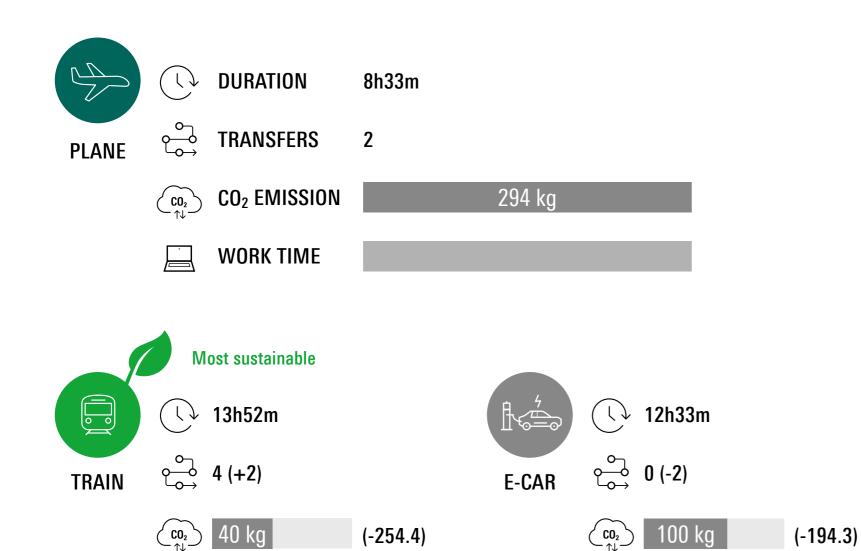
+0h0m



TRIP ADVICE BOLOGNA

8h0m

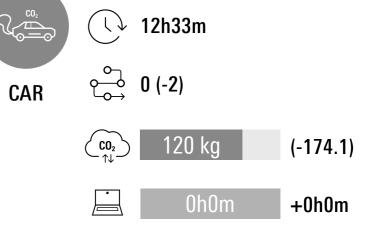
The best way to get to this destination is by plane. \checkmark



+8h0m

0h0m

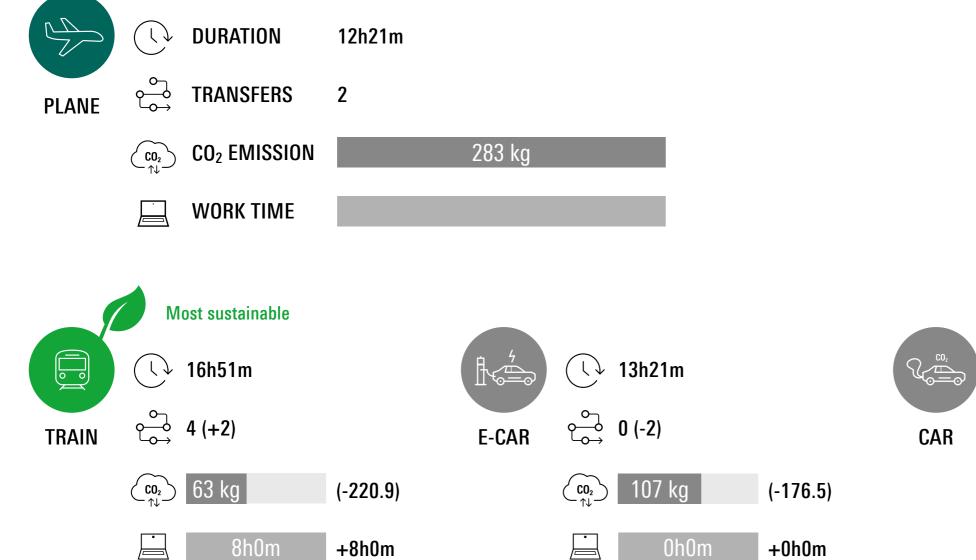
+0h0m

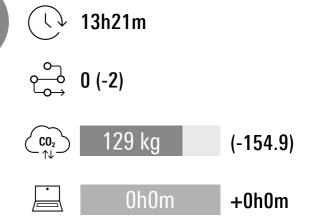


TRIP ADVICE **PISA**

The best way to get to this destination is by plane. \checkmark



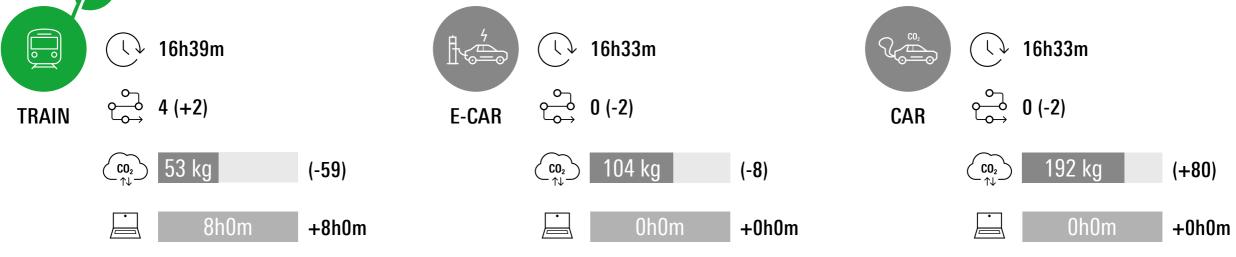




TRIP ADVICE **ROME**

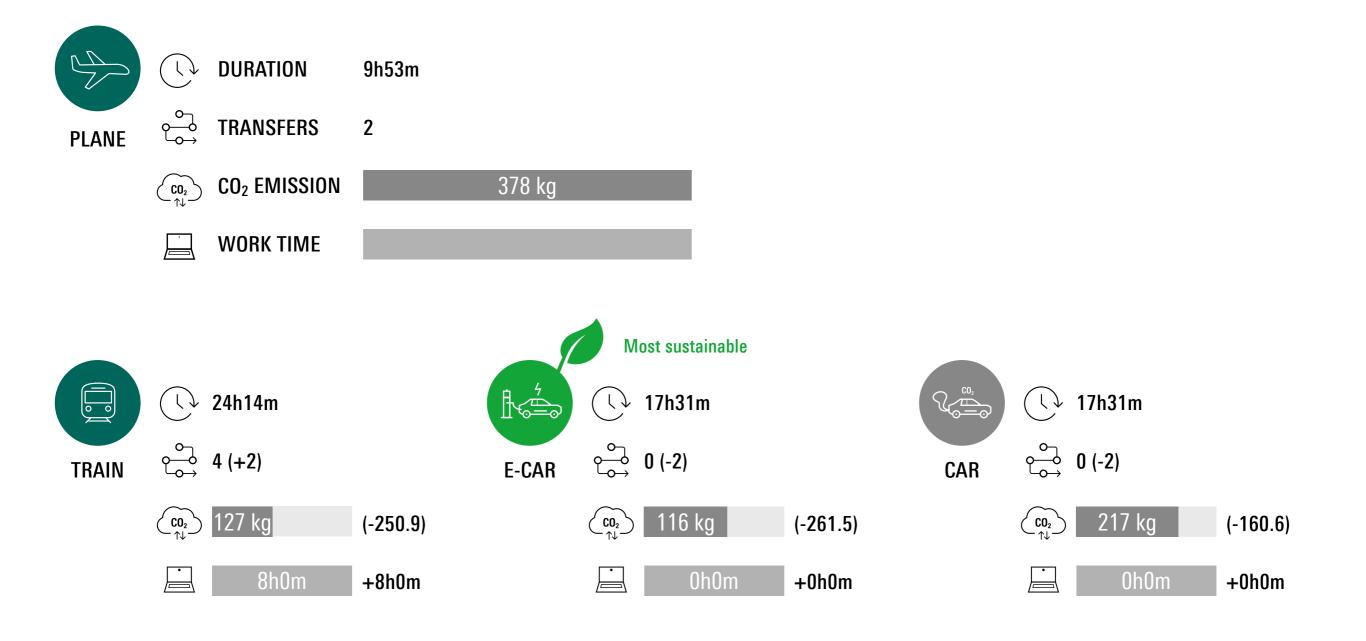
The best way to get to this destination is by plane. \checkmark





TRIP ADVICE

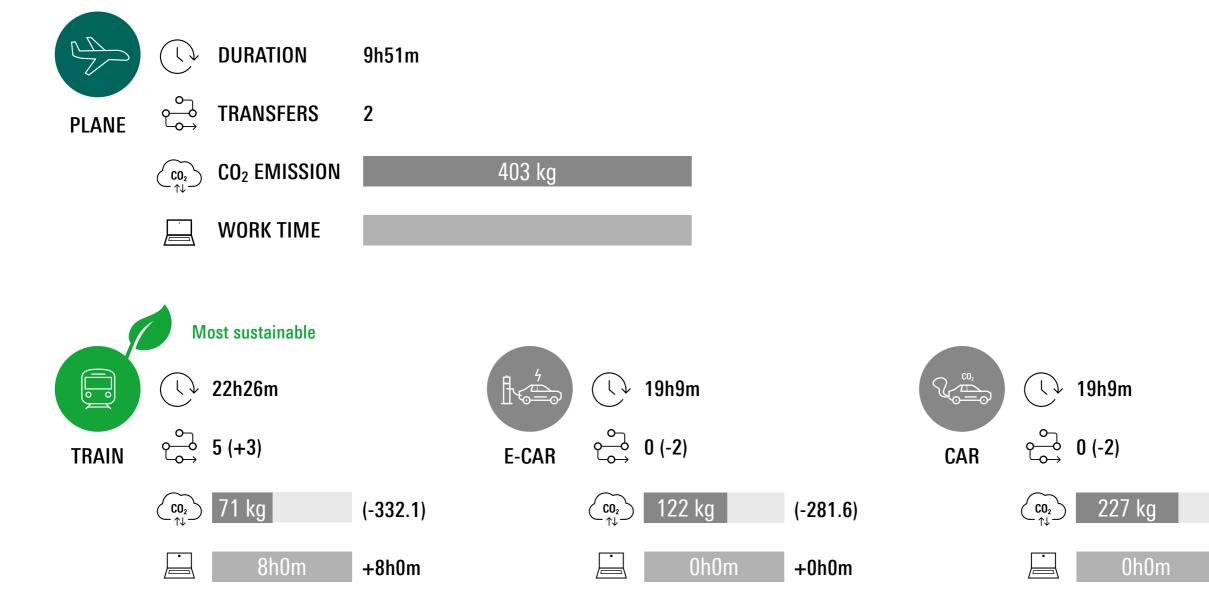




TRIP ADVICE **BARI**

The best way to get to this destination is by plane. \checkmark

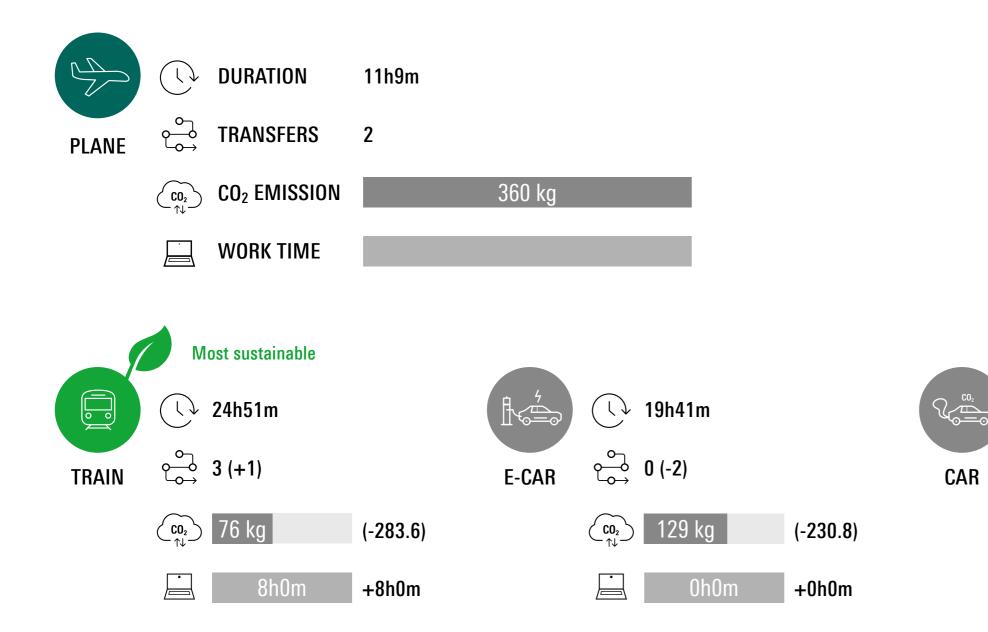


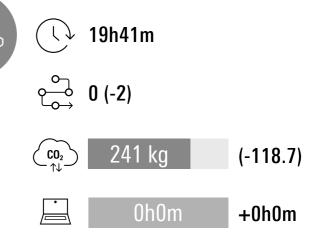


(-176)

TRIP ADVICE **BRINDISI**

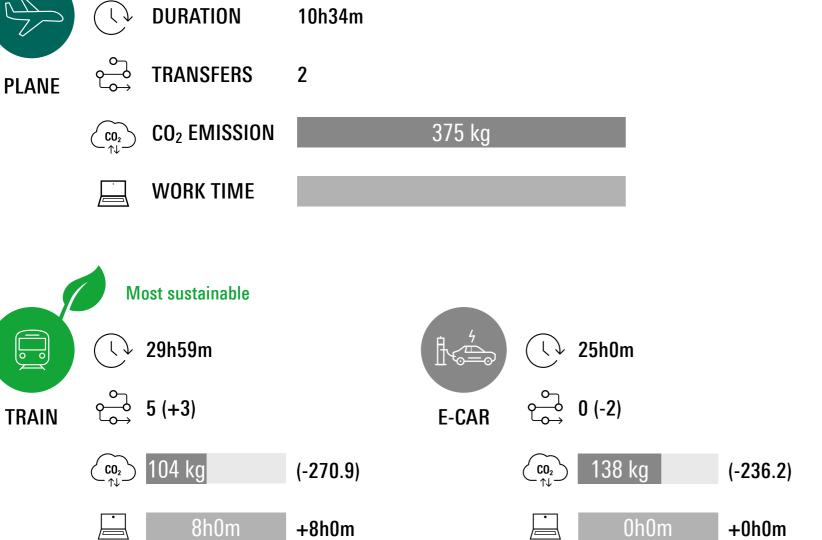


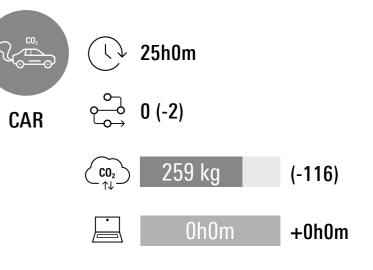




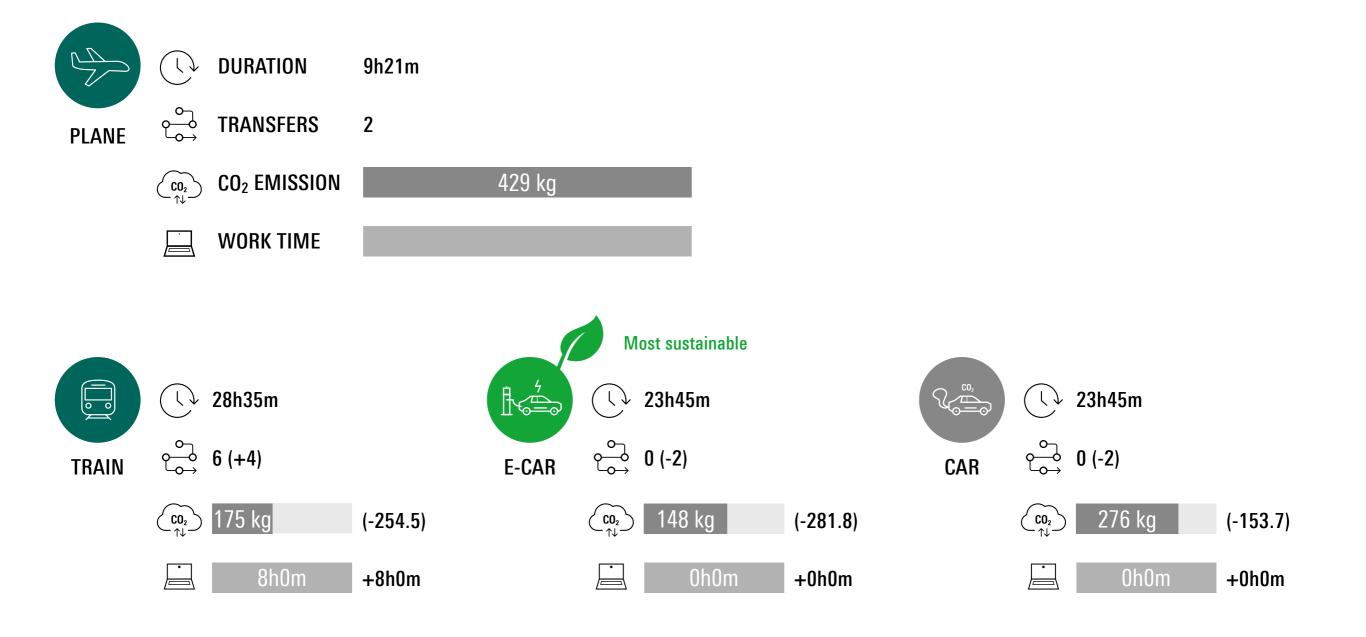
TRIP ADVICE **PALERMO**

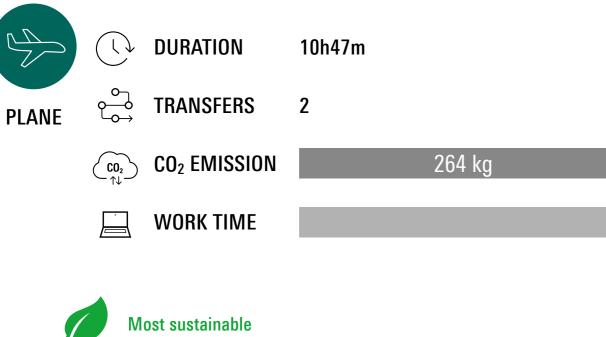


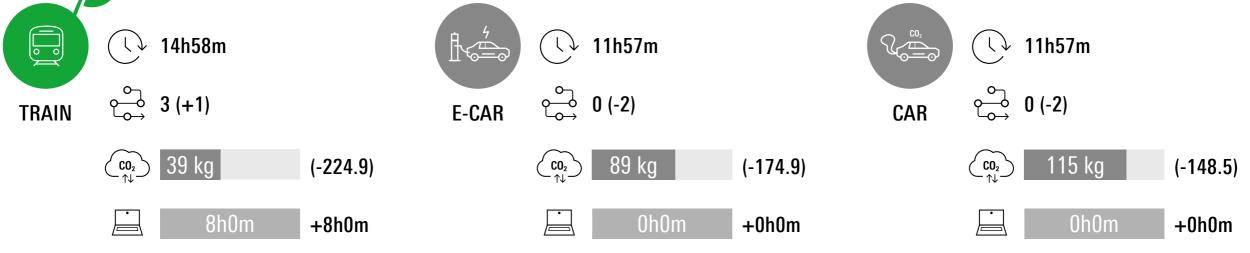






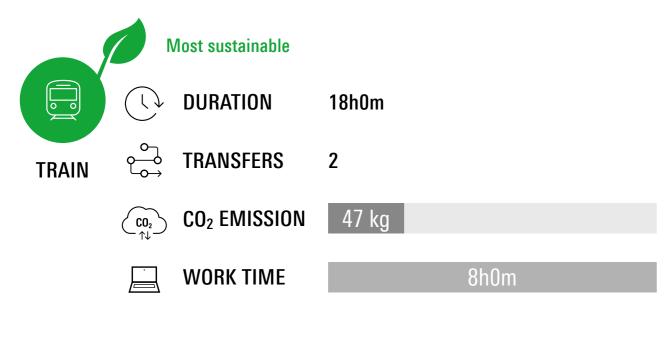


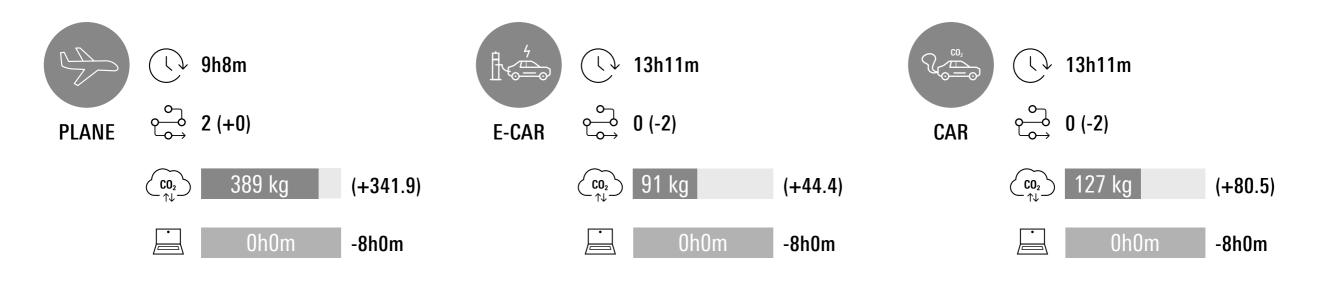




TRIP ADVICE **ZAGREB**







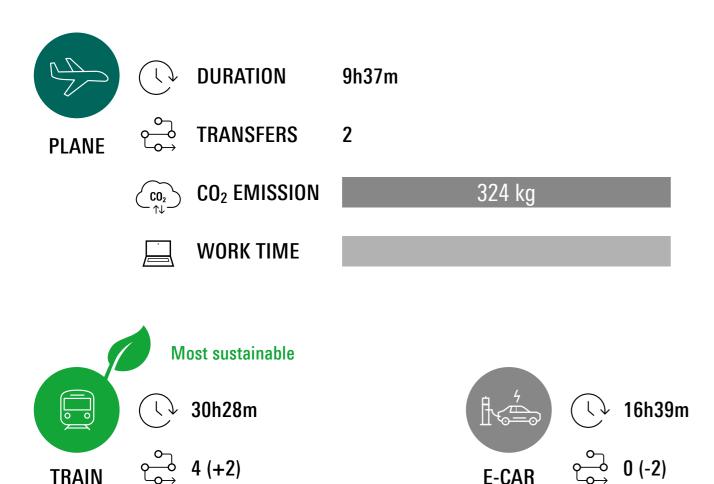
TRIP ADVICE SPLIT

TRAIN

The best way to get to this destination is by plane.

84 kg

8h0m



(-239.7)

+8h0m

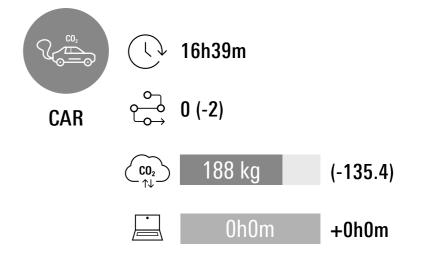
E-CAR

87 kg

0h0m

CO₂

(-236.9)

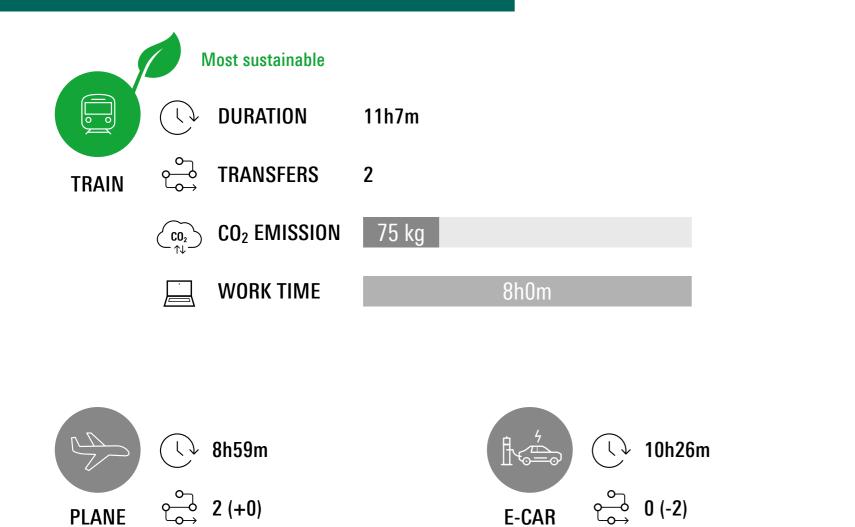




The best way to get to this destination is by train

293 kg

0h0m



(+218)

-8h0m

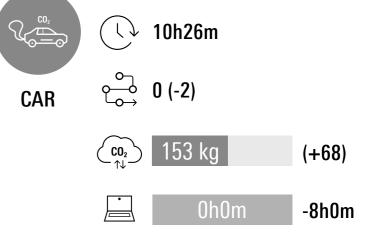
160 kg

0h0m

CO2)

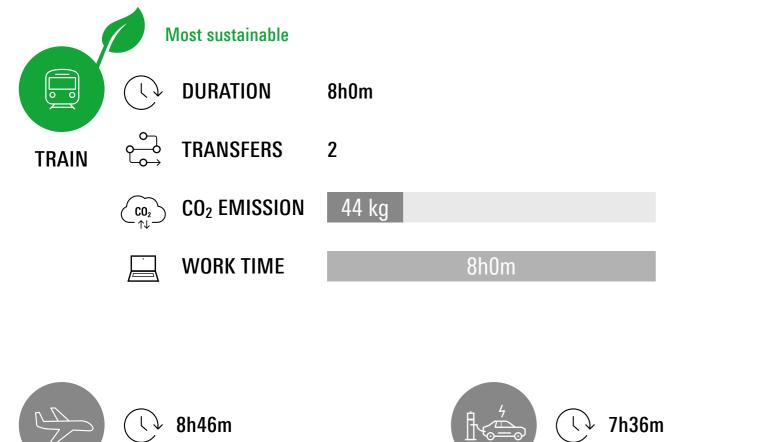
(+85)

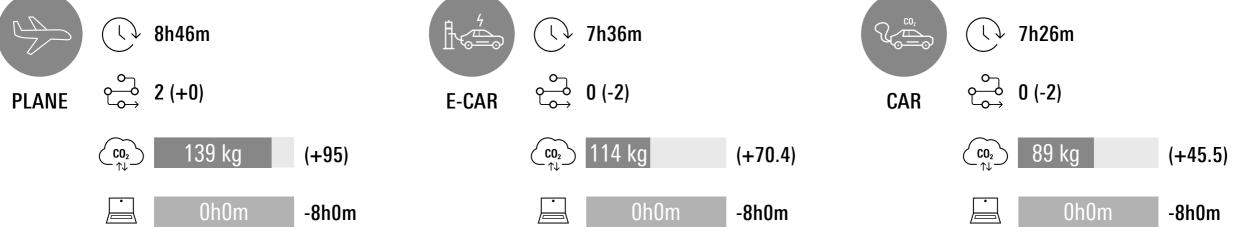
-8h0m



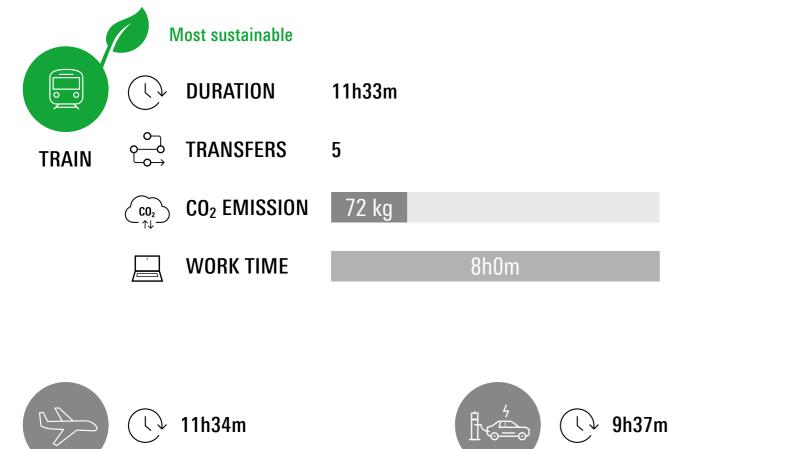
TRIP ADVICE **POZNAN**

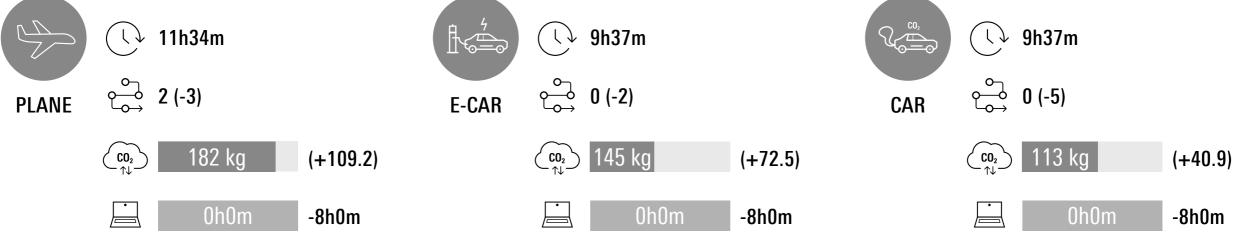








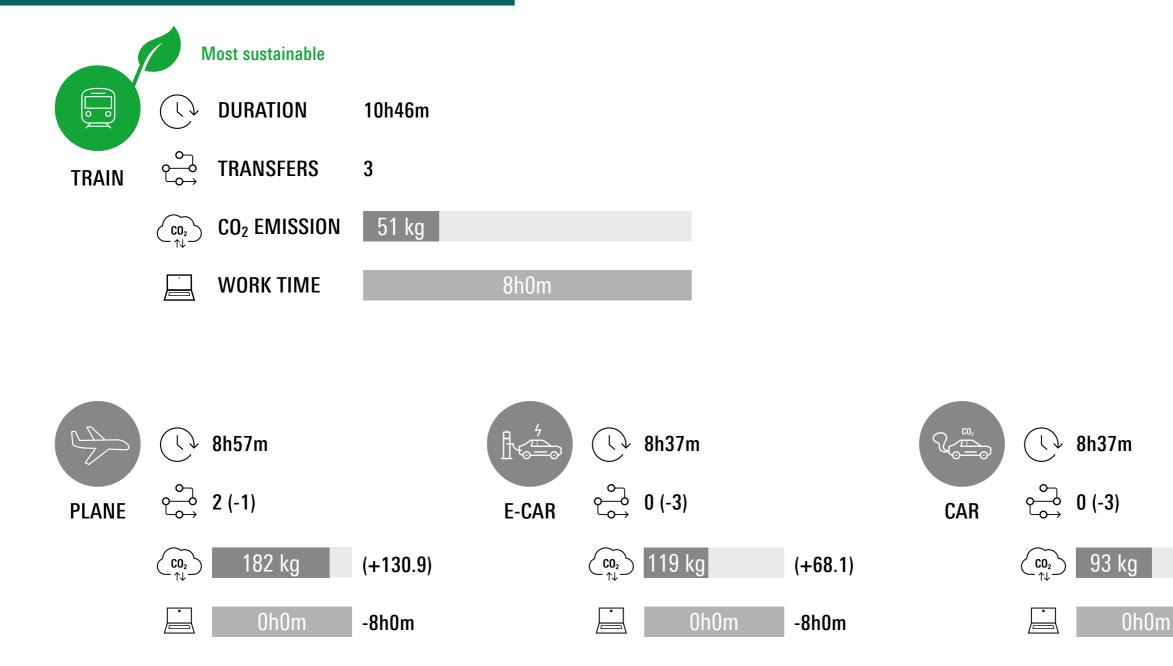




TRIP ADVICE WROCLAW



The best way to get to this destination is by train

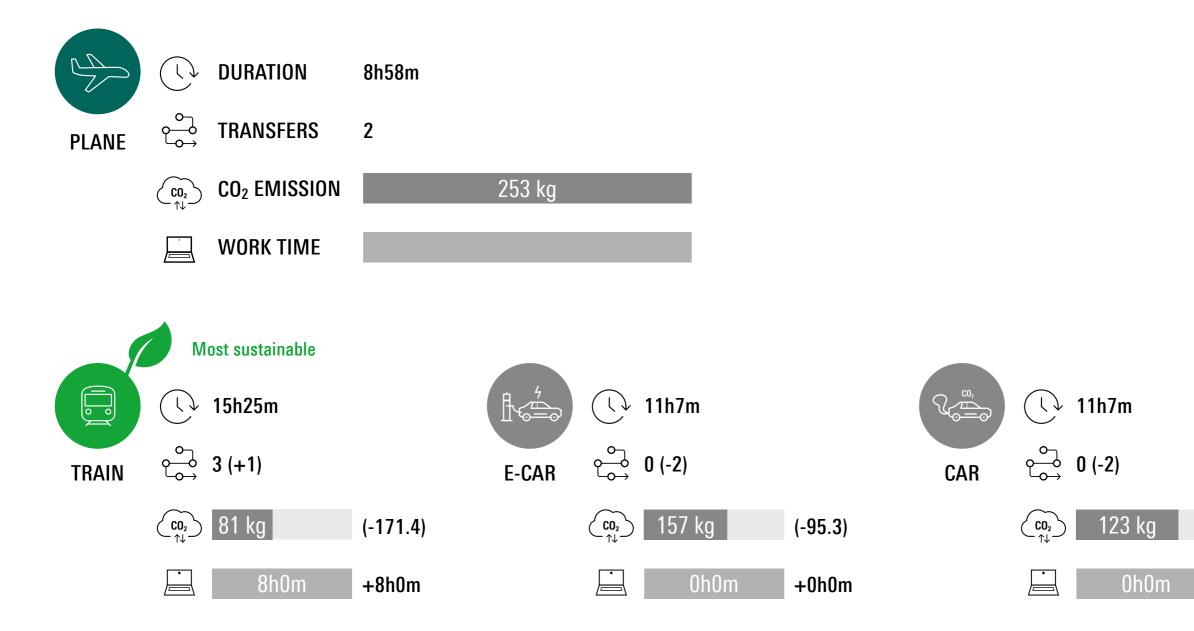


(+42.2)

-8h0m

The best way to get to this destination is by plane.

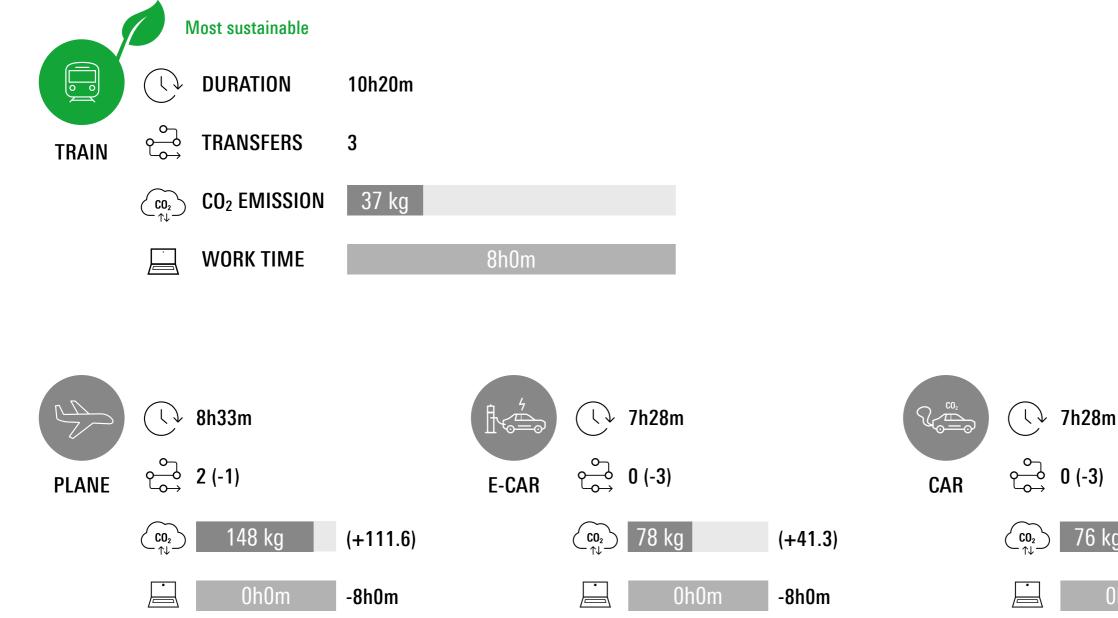


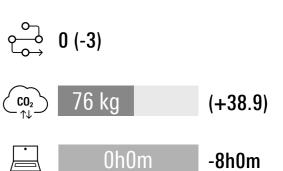


(-129.6)

TRIP ADVICE **PRAGUE**







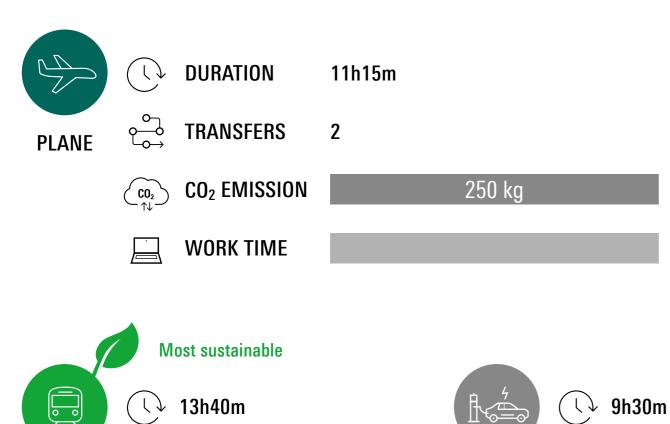
TRIP ADVICE BRNO

The best way to get to this destination is by plane.

52 kg

8h0m

TRAIN



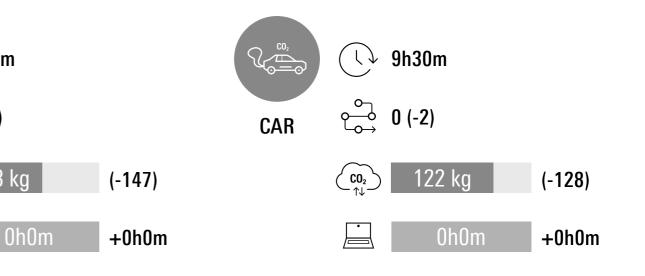
(-198.1)

+8h0m

CO₂

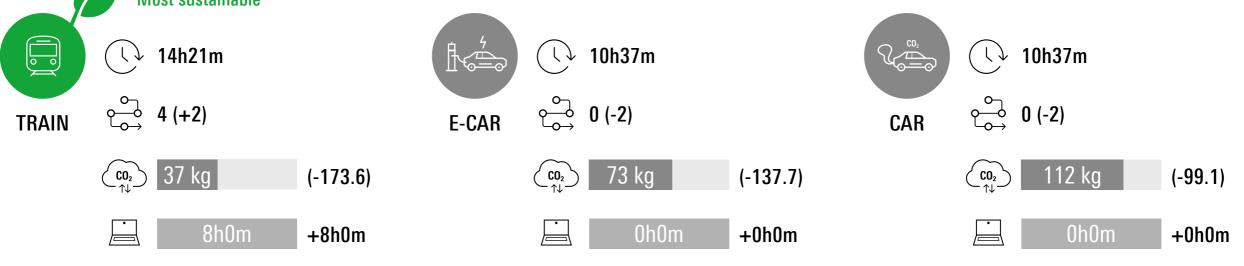
103 kg

E-CAR

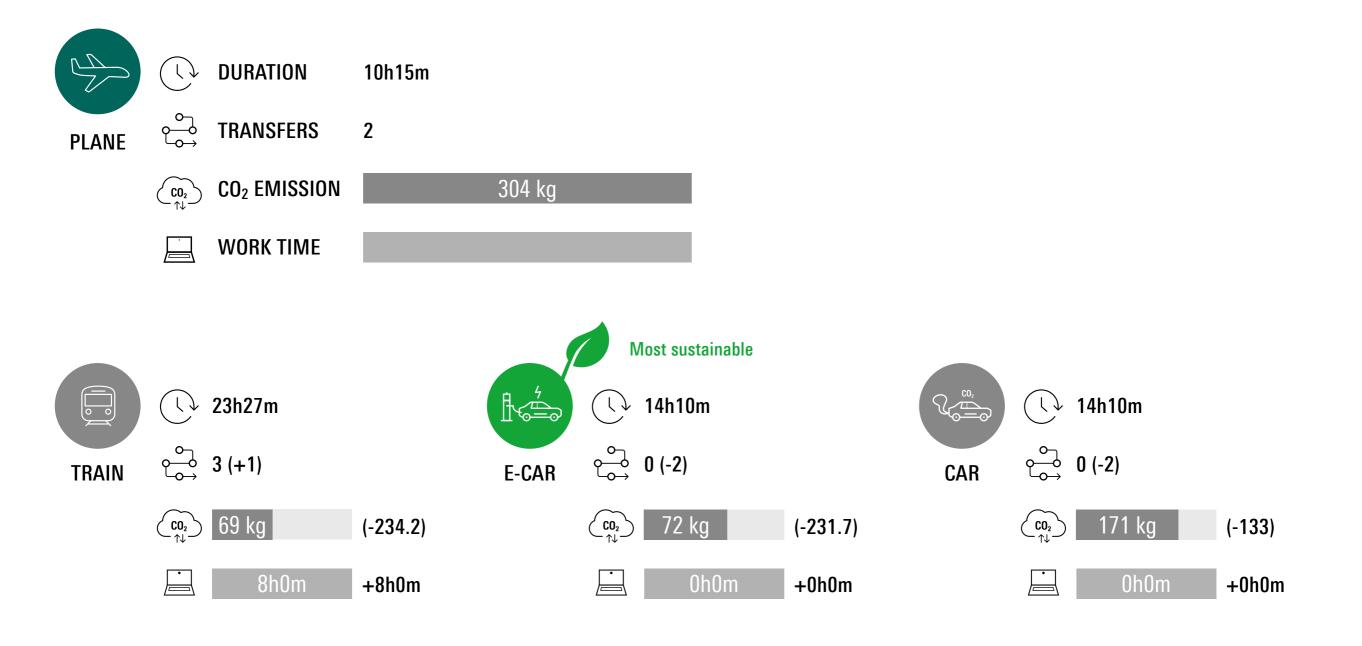


TRIP ADVICE BRATISLAVA

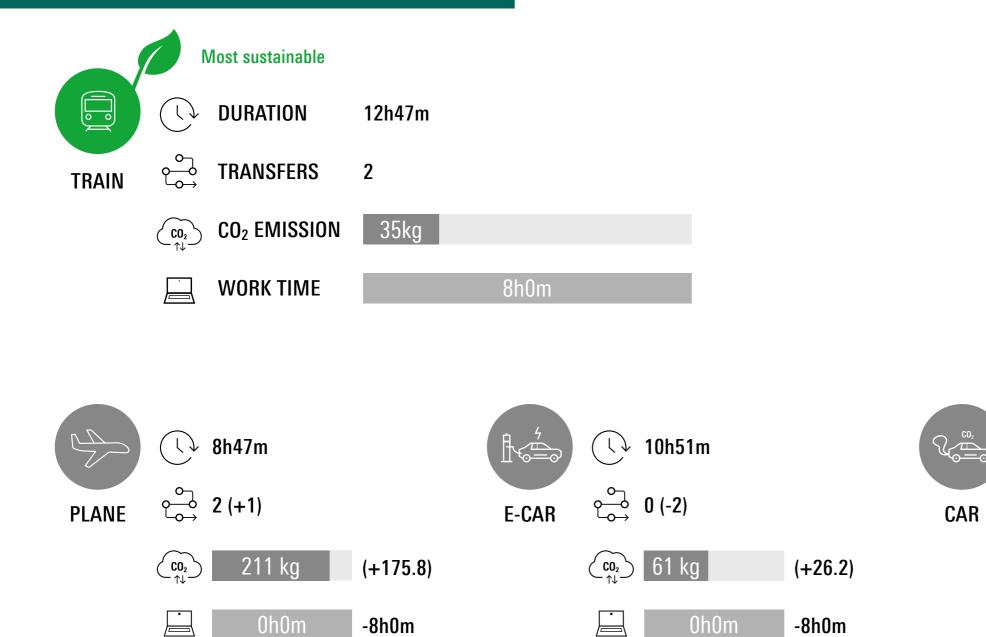


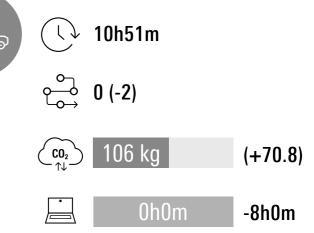


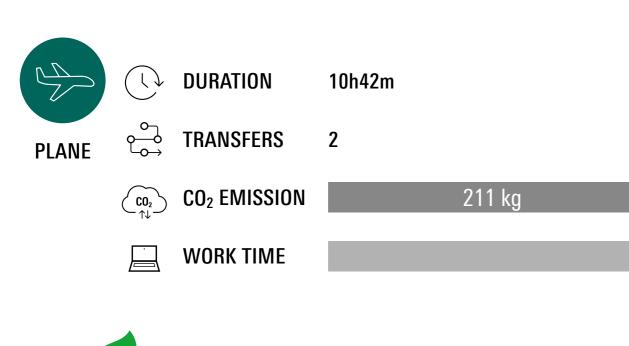


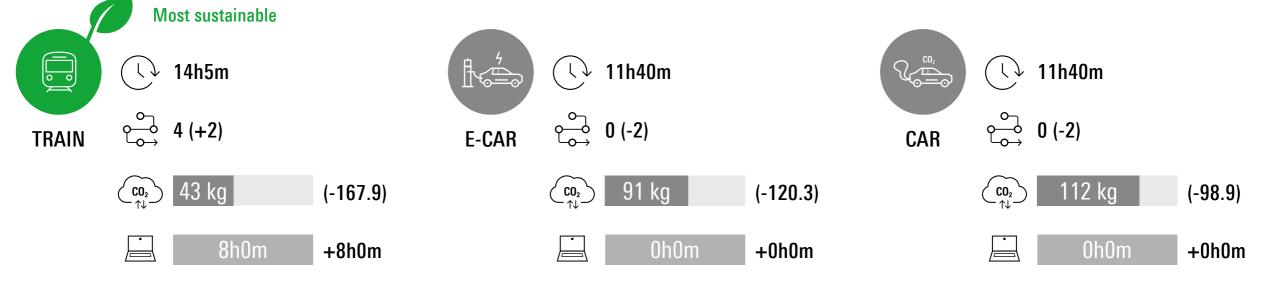






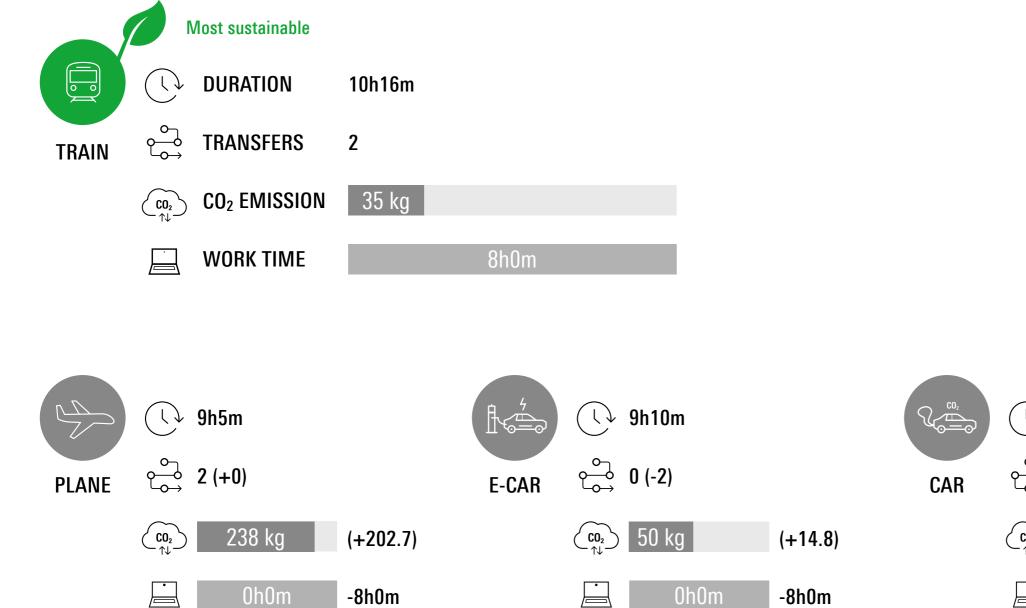


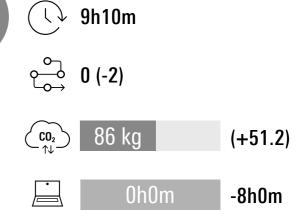




TRIP ADVICE **SALZBURG**

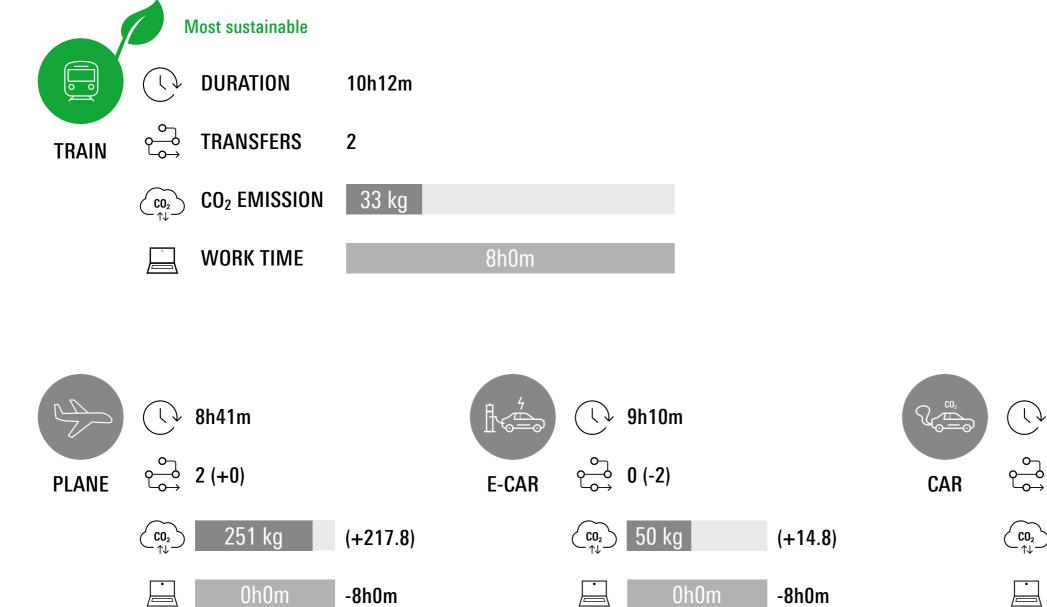


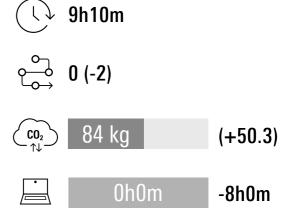




TRIP ADVICE INNSBRUCK

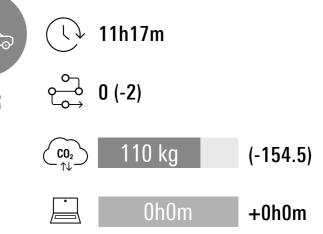




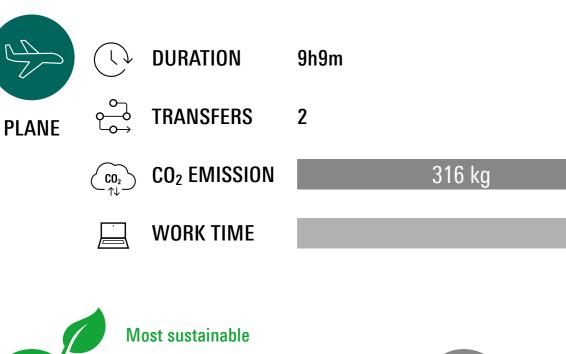


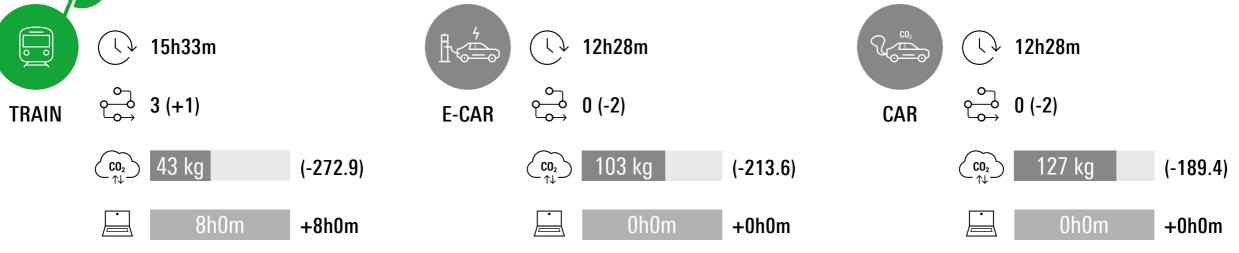




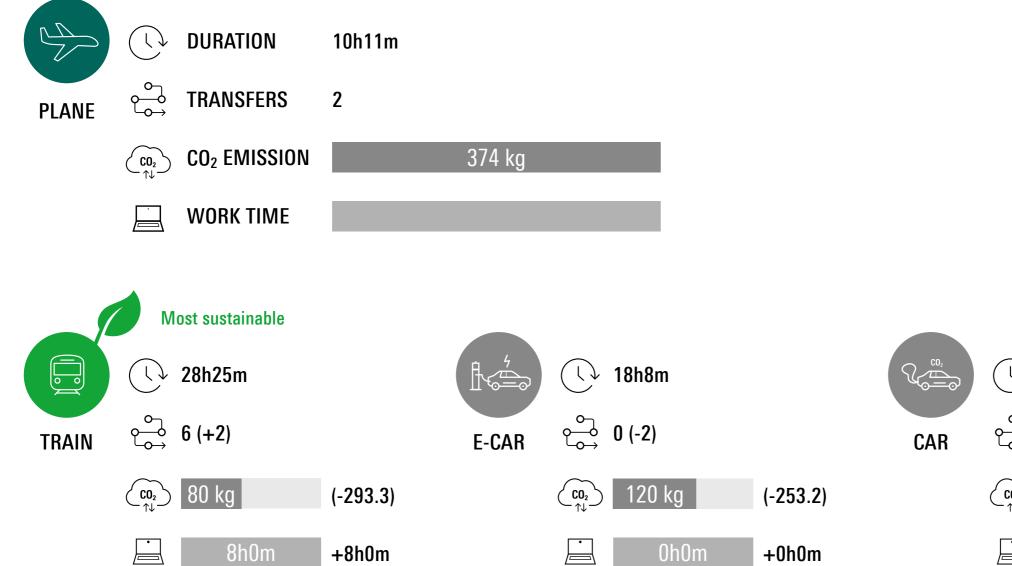


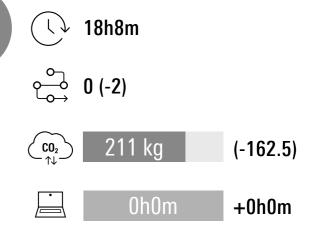
TRIP ADVICE **BUDAPEST**







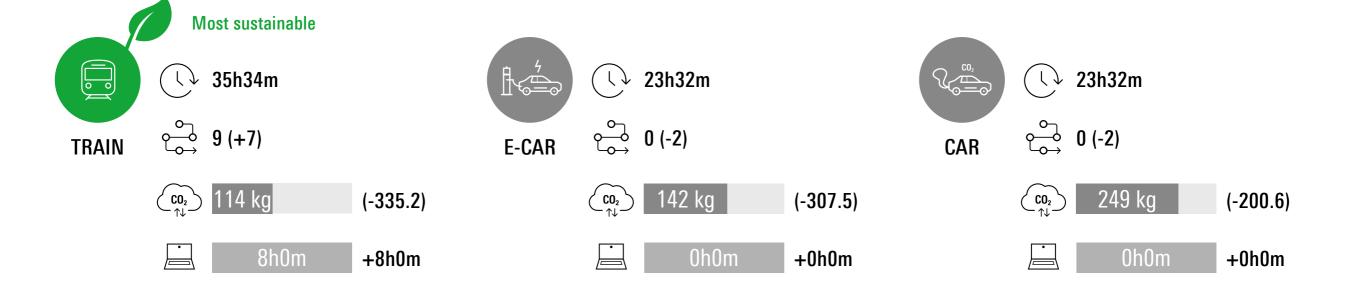




PLANE







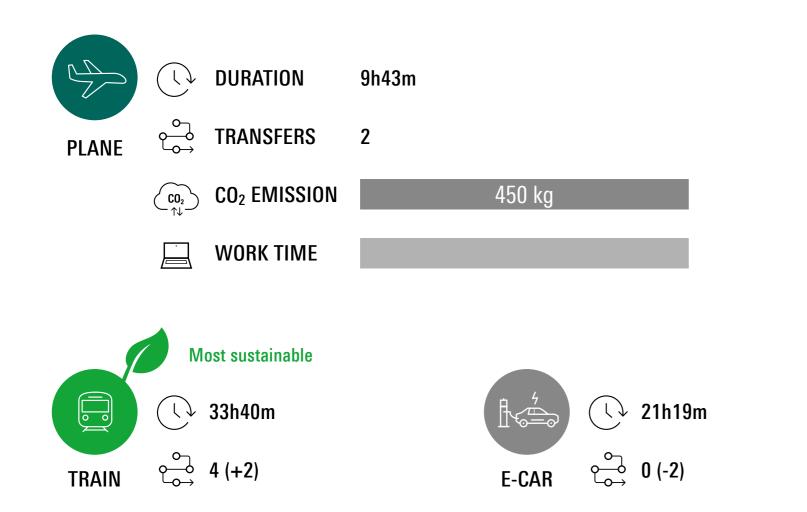
TRIP ADVICE BUCHAREST

The best way to get to this destination is by plane.

109 kg

8h0m

CO₂



(-340.3)

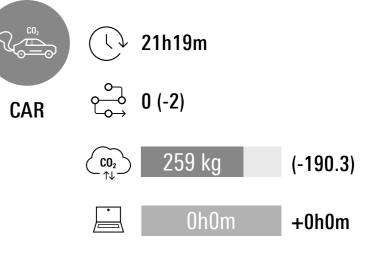
+8h0m

148 kg

0h0m

CO₂

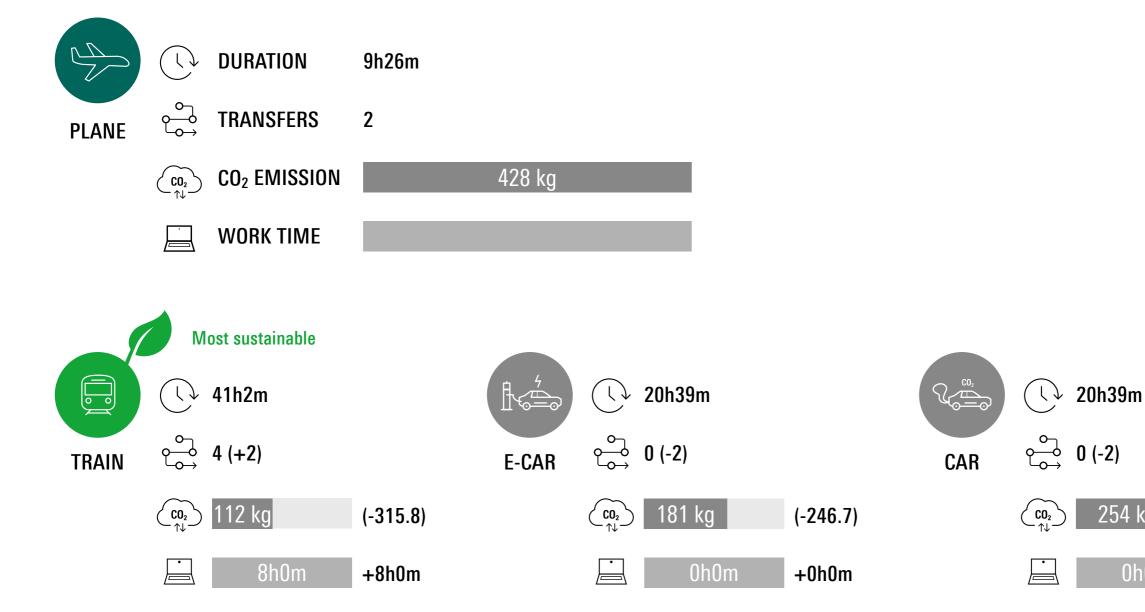
(-301.8)



TRIP ADVICE **SOFIA**

The best way to get to this destination is by plane.



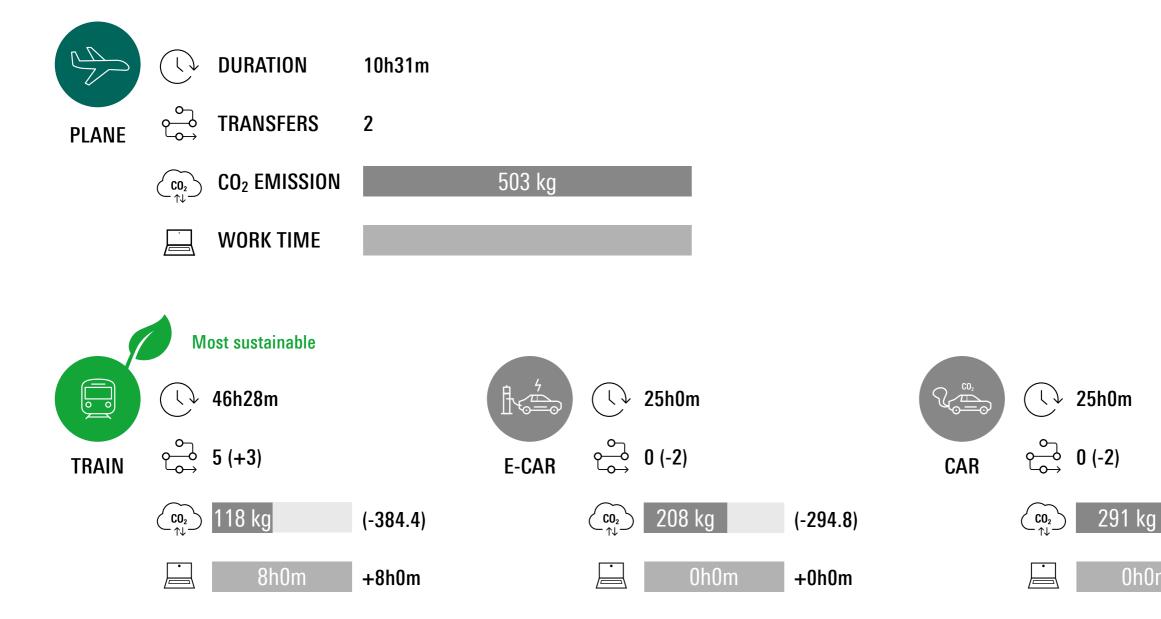


254 kg

(-174)

The best way to get to this destination is by plane.





(-211.5)