

A high-angle photograph of a rugged mountain range. A large glacier flows down a rocky slope, surrounded by steep, rocky terrain with patches of snow and ice. The sky is clear and blue.

Climate Protection and Sustainability in the DAV

Resolution on climate protection

At the 2021 General Assembly, the clubs/section representatives present approved the climate protection concept developed by the project group with an 86% approval.



- **Climate neutrality through avoidance, reduction and, from 2030, compensation to net zero**
- **Basis: Emissions accounting with agreed system boundaries**
- **Control mechanisms (e.g. DAV-internal CO2 price and voluntary commitments)**
- **Evaluation of progress against milestones**
- **Monitoring of the process by the Climate Protection Project Group (until the end of 2024)**



Project Team Climate Protection



Steering Committee
Project management



Core-Team
Project
Implementation &
Coordination

Expert Groups
Consultation

Balancing 	Mobility 	Communication 	Infrastructure & Catering  
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Climate Protection Concept: Implementation Process



Implementation

- **Appointing and networking of climate protection coordinators**
- **Develop implementation programmes**
- **Describe roles and responsibilities**



Information & Exchange

- **Exchange knowledge and best practice examples**
- **Use DAV's internal climate protection platform**
- **Exchange of knowledge between sections and the Federal Association**



Communications & Public Relations

- **Integrating climate protection into all educational measures**
- **Mobilize, engage and motivate everyone from member to public society for more climate protection**



Evaluation & Customization

- **Review climate protection processes**
- **Review the achievement of interim targets and implementation programmes**
- **Continuous Adaptation**

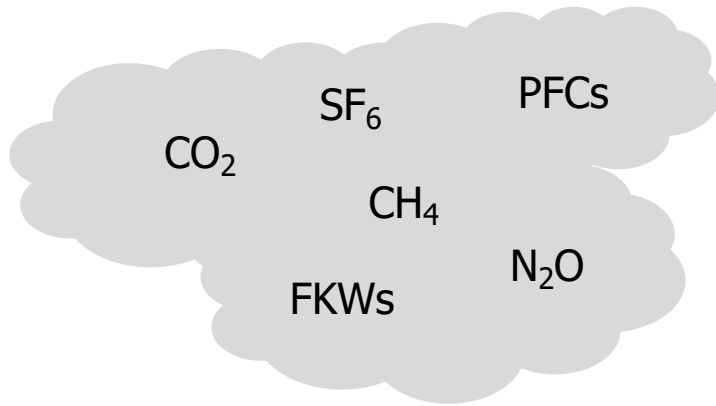


Climate Protection Concept – Balancing of Emissions

- Basis of avoidance, reduction and compensation measures
- Development of a special accounting tool based on the Greenhouse Gas Protocol
- System boundaries are based on the polluter pays principle
- Annual balancing is recommended, at least every two years
- Initial balancing for calendar year 2022
- Basis for comparison of intermediate targets



Greenhouse Gas Protocol



- 6 climate-relevant greenhouse gases regulated by the Kyoto Protocol
- Conversion of the 6 GHGs into CO₂ equivalents (CO₂e) according to their greenhouse gas potential (GWP)
- In common parlance, CO₂ and CO₂e are used interchangeably

Synonymous use of different terms:

CO₂ Accounting = CCF = Corporate Carbon Footprint = CO₂ Footprint = Greenhouse Gas Balance = GHG Accounting = Carbon Footprint



Use in DAV: Emissions Balancing

Greenhouse Gas Protocol

Pertinence

Selection of the right organizational boundaries (selection of company components/locations and subsidiaries) and operational boundaries (selection of emission areas).

Completeness

Detection of all relevant emission sources within the selected system boundaries.

Consistency

Use of calculation methods, emission factors and selection of system boundaries that allow comparability over years.

Accuracy

Biases and uncertainties have been minimized so that the results provide a solid basis for decision-making.

Transparency

Clear presentation of the data, emission factors, calculations and results used that is comprehensible to external third parties.



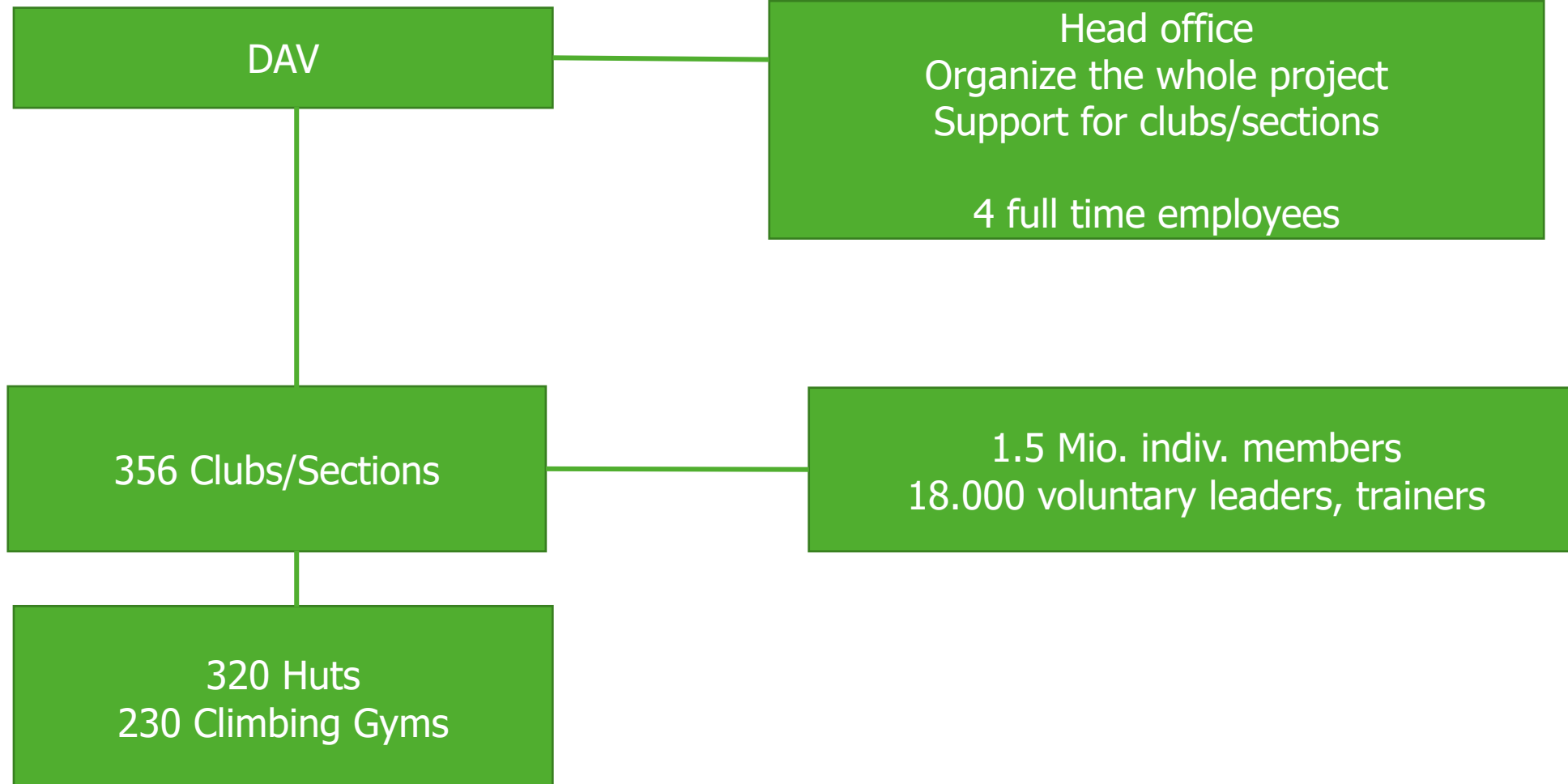
System Limits of Balancing of Emissions

What is collected?

- **Group Activities, Tours & Courses, Committee Meetings**
e.g. complete assessment of mobility
- **Events with a predominantly internal target group (members)**
> **Balancing**
- **Events with a predominantly external target group**
> **No balancing of the arrival and departure mobility of visitors, speakers, athletes**
- **No balancing of the arrival and departure mobility of guests to huts / climbing halls**
- **Depreciation of emissions from construction projects over 10 years**



Background



Results of the Balance of Emissions for the year 2022

Who participated in 2022?



140 sections
4 National Associations
Federal Secretariat

How many emissions have been caused?



13.400 t CO₂e

What does this mean for the entire DAV?



Extrapolated, this results
in 52,160 t CO₂e

Evaluation of the emissions balance of the DAV Bundesverband

Year 2022

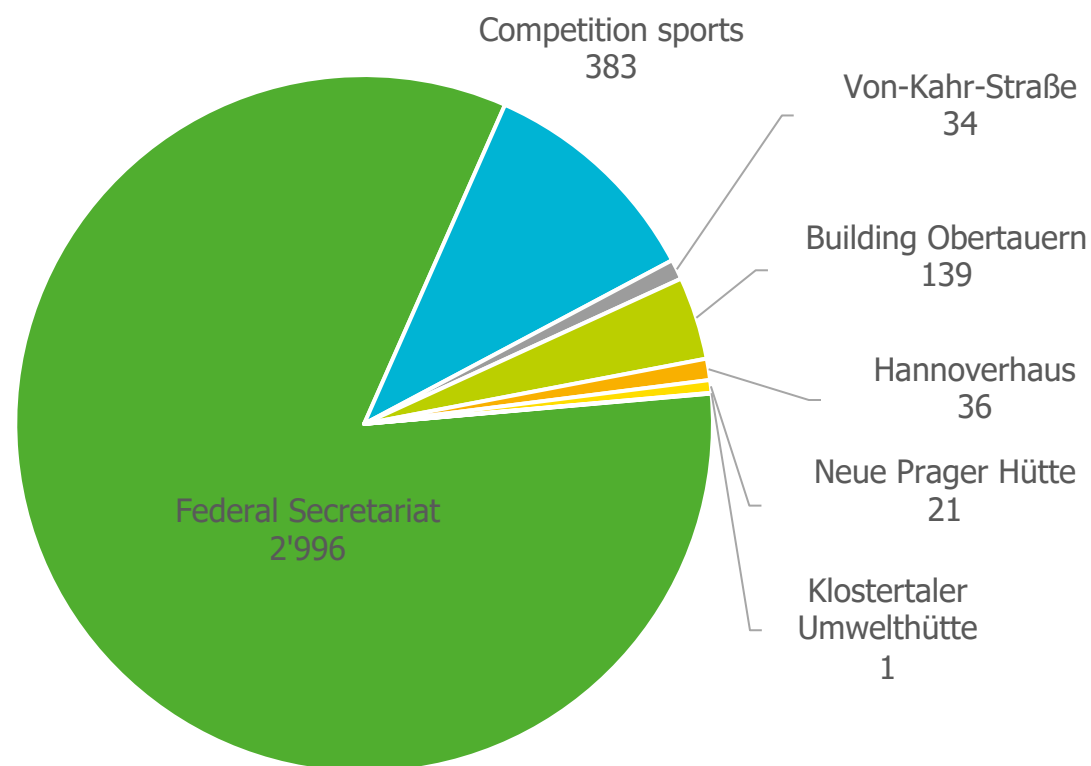
Balancing as basis for development of measures

Stand: 13.10.2023



Emissions from the Federal Association

Distribution of emissions by location of the Federal Association



Einheit: t CO₂e

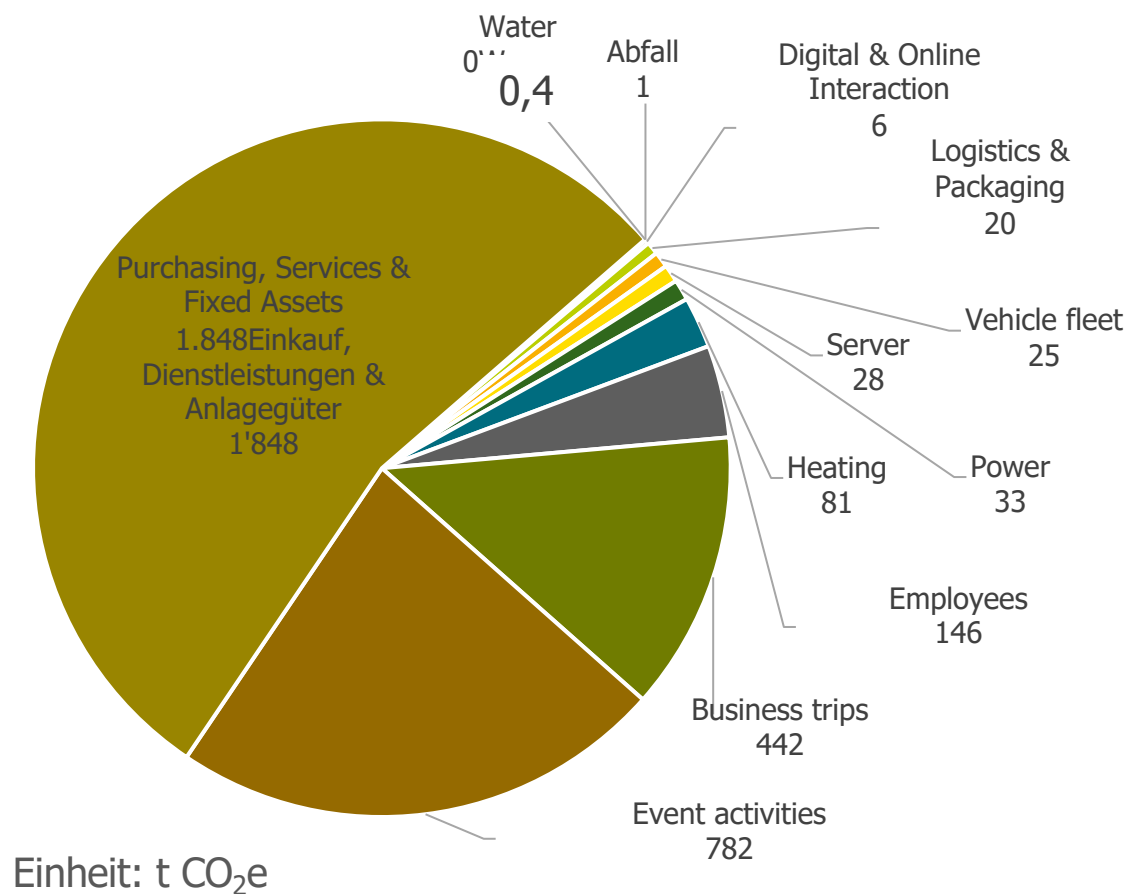
- The Federal Secretariat is responsible for the entire event activities of the Federal Association as well as the buildings belonging to Association
- Due to the renovation with construction starting before 2022, the Alpine Museum was not accounted for
- Most of the emissions in competitive sports are caused by air travel

Federal Association without youth center
3.610 t CO₂e



Distribution by category

The largest emissions are in the area of services and mobility.



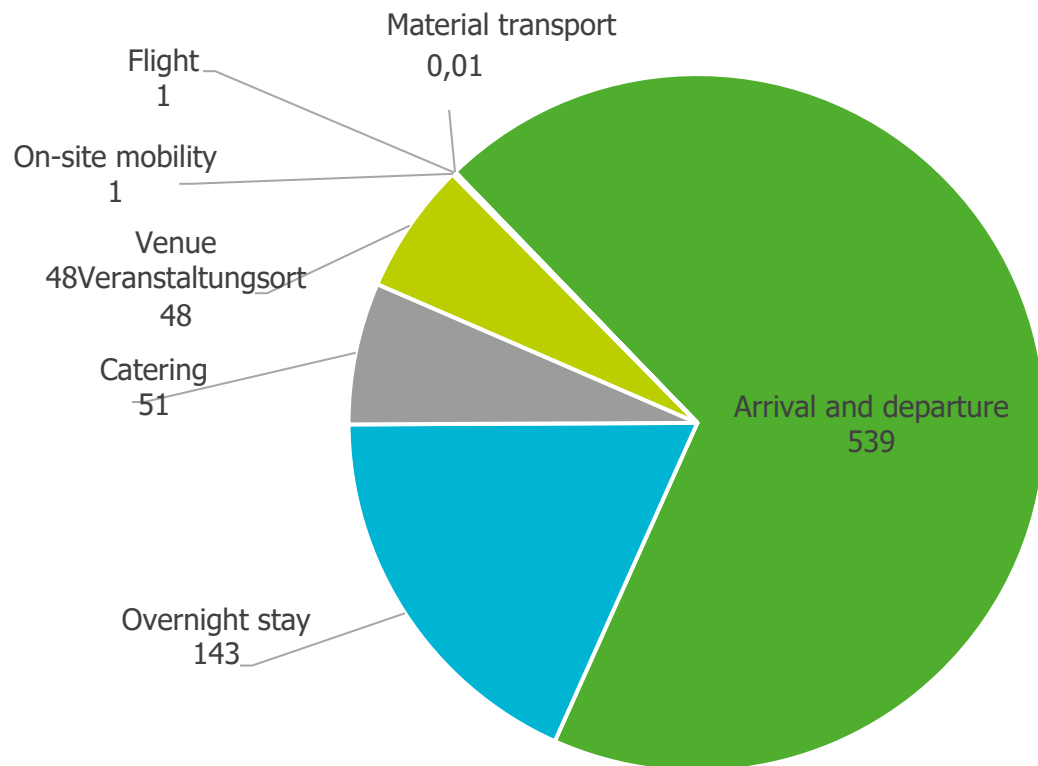
- In total, 95% of the Federal Association's emissions are attributable to the Federal Secretariat.
- 90% of emissions are in three areas: purchasing; services & fixed assets; event activities and business travel.
- IT services, member journal printing and mailing as well as mobility are the biggest factors

Federal Secretariat:
3.413 t CO₂e



Event activities

Event activities account for 23% of total emissions.



Einheit: t CO₂e

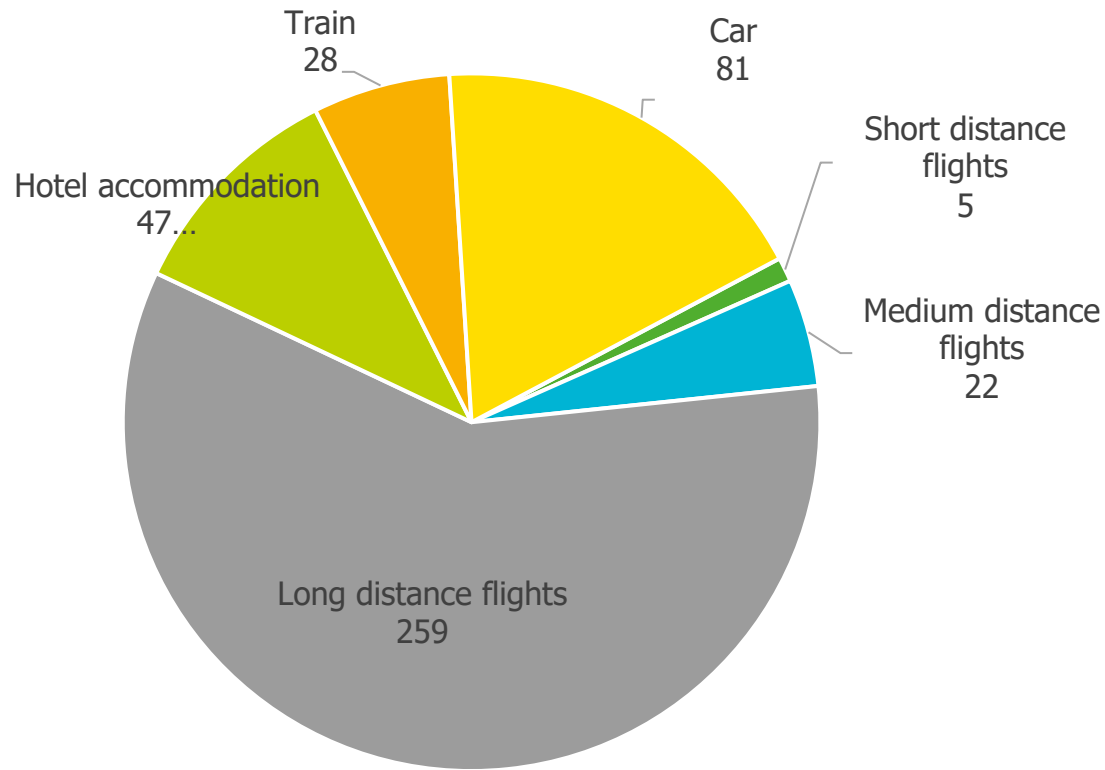
- **87% of the emissions are generated in the course programme**
- **A total of 3,416 event days are included in the balance sheet**
- **Mobility was balanced in the category of business trips**

Event activities: **782 t CO₂e**



Business Trips

Business trips are the third-largest source of emissions, mainly through flights and car journeys.



Einheit: t CO₂e

- A total of approx. 1.7 million km of flight distance was covered, which amounts to 287 t CO₂e (8% of the total BGS balance)
- The car category shows the private cars or rental cars used

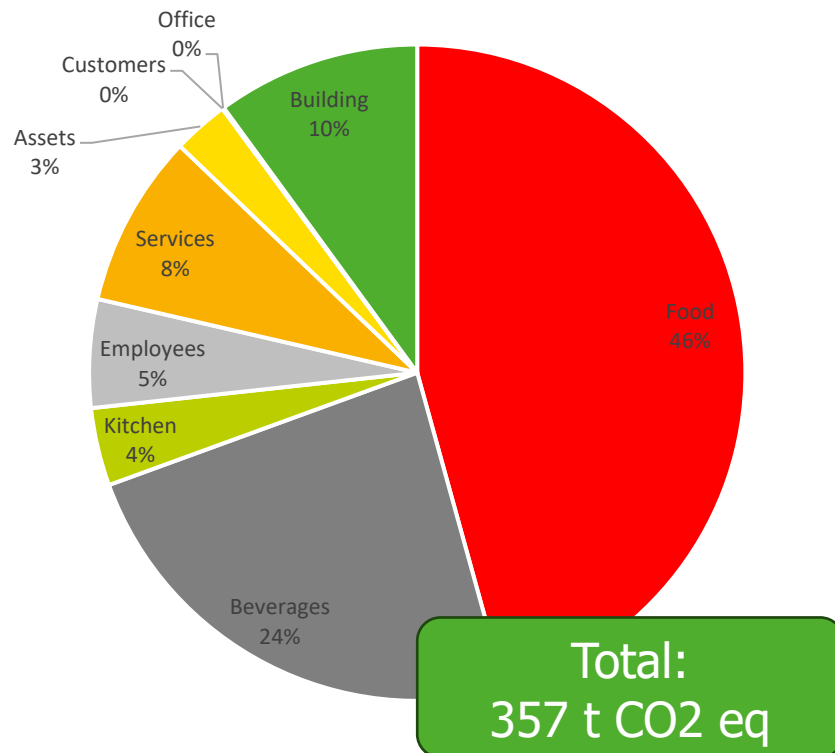
Business Trips: 441 t CO₂e



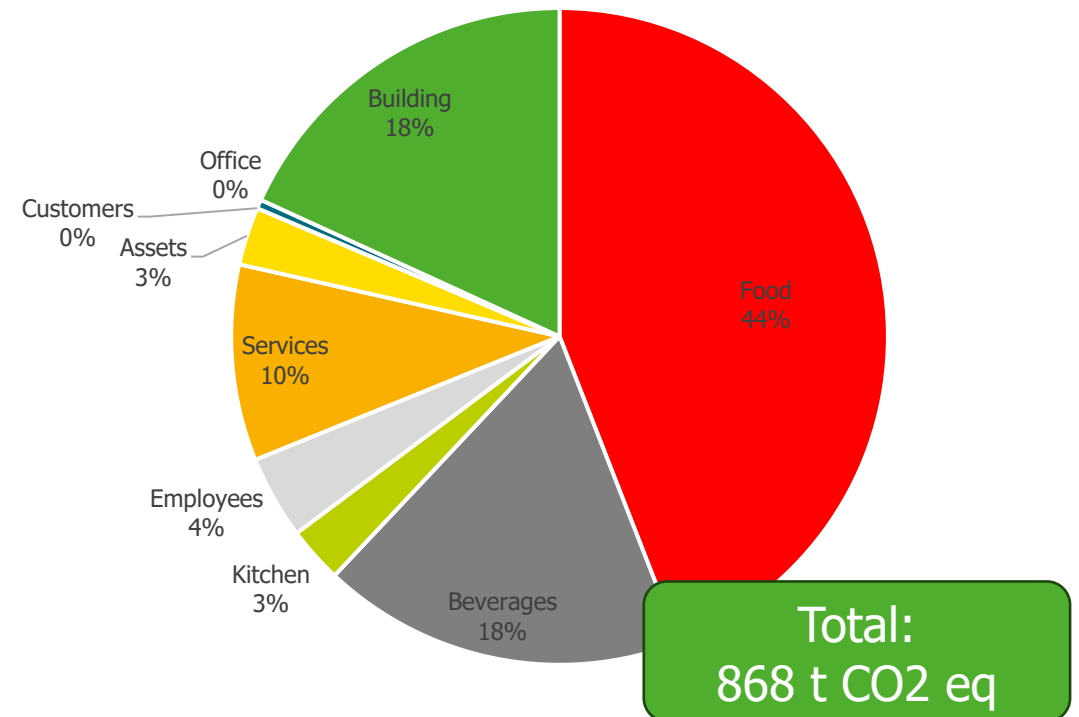
Emissions caused by Huts

Result of managed huts

10 huts by quantity



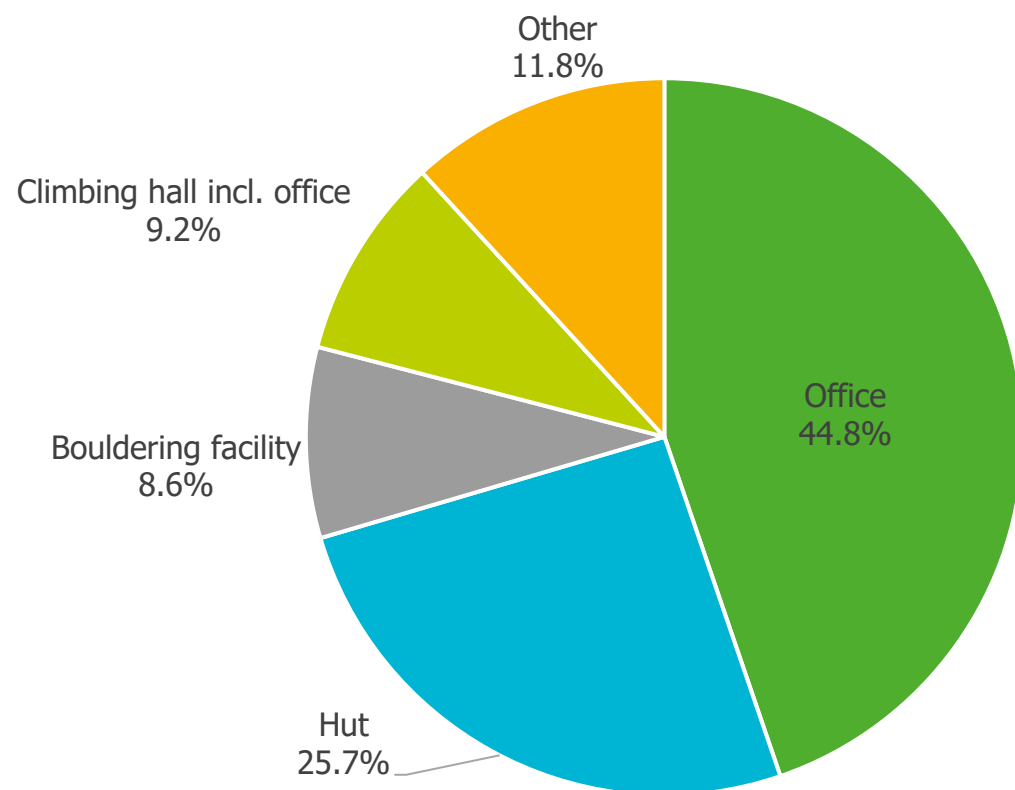
19 Huts according to €



Balance for Sections & Extrapolation to the Entire Association



Emissions balance overview



Total emissions: 9,398 t CO₂e*

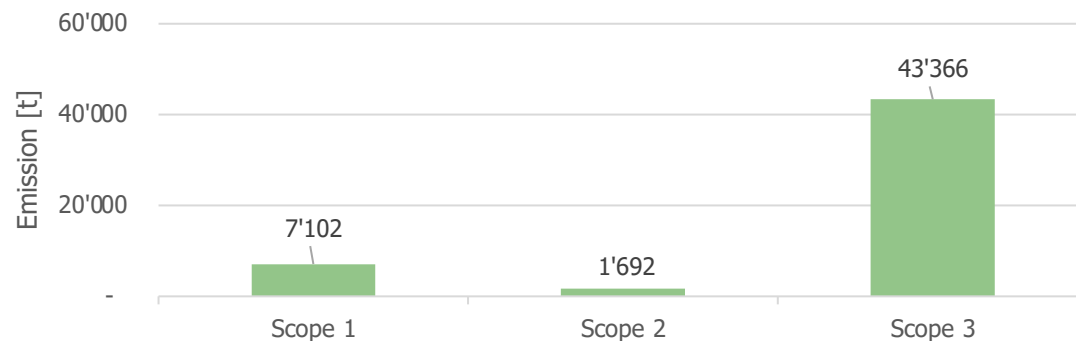
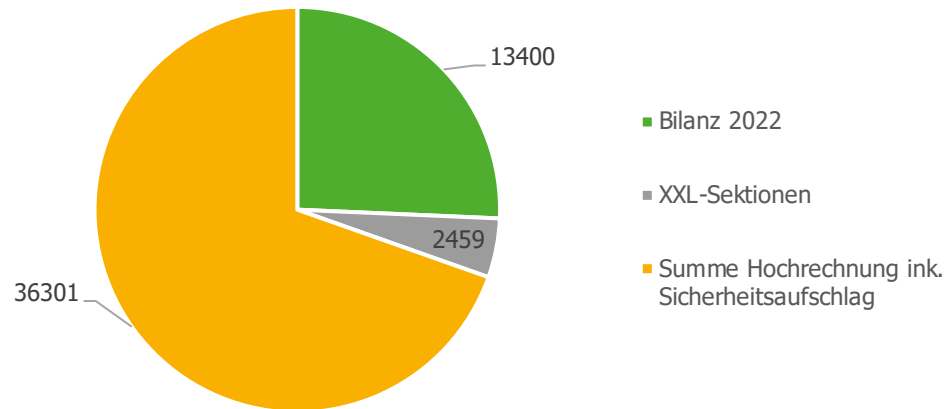
**Office as the biggest driver of emissions
Reason: Offices contain the majority of
event activities**

***The data refer only to the results of the
140 balancing sections**



Extrapolation of balance for the entire Association

52,160 tCO2 were calculated for the entire Association in 2022



- Data baseline is incomplete
- Extrapolation was calculated "conservatively"
- Overall, the security surcharge is 28%
- Extreme outliers were not taken into account in the basic quantity, but were included in the extrapolation with lump sums
- *The Summit Club balance sheet is not included



Summary of the 2022 CO₂ balancing

- The 2022 balancing target was not achieved
- Complexity of balancing is very high and requires a lot of detailed work
- Data collection must be carried out in a de-centralized manner by the coordinators of the individual activities
- Acceptance among the clubs/sections is limited and still needs to be improved
- The level of detail of the data to be collected is too high and will be reduced in the future
- Software must be adapted to the specific conditions
- Improve motivation and acceptance through simplified accounting



Development of measures for reduction and avoidance of emissions



Financing climate action

- Additional climate - contribution of €1 per adult member (€1.2 million per year)
- Internal CO₂ price €90 per ton of CO₂ emissions used by the Association and each section for their own climate protection measures
- External support through sponsorship and grants from government organizations



A climate fund has been set up to implement climate protection measures

- **€1 per adult member goes into the fund**
- **since 2021 approx. €1 million annually**
- **Financing of overarching measures**

- **Promotion of climate protection measures of the sections:**
- **PV systems at climbing gyms**
- **Conversion to LED lighting**
- **Heating system renovation**
- **Mountain buses as a supplement to public transport**
- **Funding rate: 50%, maximum €50,000**

Gefördert durch den
DAV-Klimafonds



**WIR FÜRS
KLIMA**



PV-Anlage Kletterhalle Landshut, LED Kletterhalle Immenstadt
Foto: DAV/Sektion Landshut & Immenstadt



Development of concepts and recommendations for the reduction of emissions

- **Mobility concept to reduce individual travel**
- **Abandonment of short distance air travel**
- **Reduction of air travel in general**
- **Concepts for travelling in groups – carpooling**
- **Mobility app**
- **Use of renewable energy**
- **Optimization of operating concepts for climbing gyms, huts etc.**
- **Climate protection as an integral part of all trainings for trainers and group leaders**
- **Climate Protection Communication Platform**



Development of concepts and recommendations for the reduction of emissions

- **E-learning: Climate Protection**
- **Exchange of experiences and best practice examples**
- **Lobbying for climate protection to the federal government and state governments**
- **Lobbying for more public transport**
- **Advising and supporting the clubs/sections in climate protection activities**



Climate protection decision-making process

- **Contents, concepts and activities are proposed by the project group**
- **Presidium approves the individual measures and concepts**
- **Budget is determined annually by the General Assembly**
- **Implementation of the approved measures by the Federal Secretariat and Sections**

