



GREEN PRODUCTION PILOT 2022/23

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DirOp 20. April 2023

/imagine Green Production

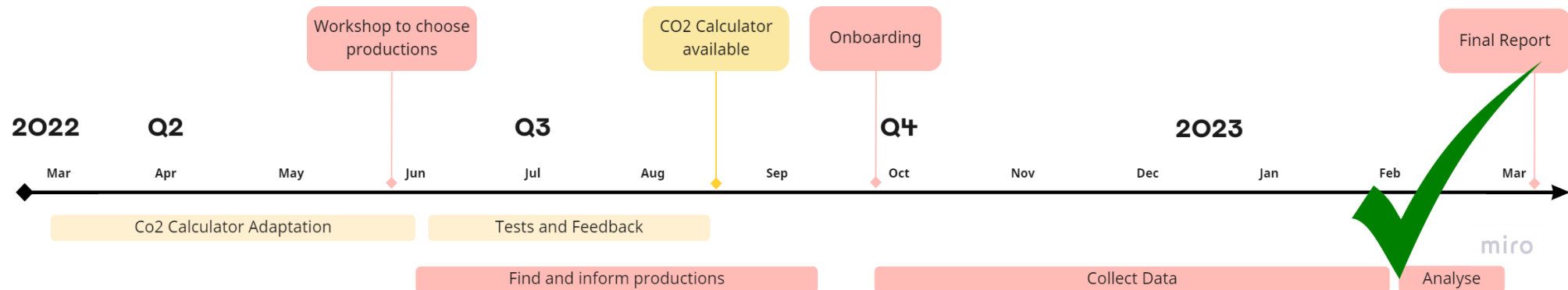
I asked Midjourney AI to
create an image of a
sustainable production
van.

It came up with this:



PROJECT GOALS

- ✓ ☐ Gain experience in Green Production
- ✓ ☐ Establish a common tool and for measuring CO2 production footprints
- ✓ ☐ Analyse 2-3 productions per business unit
- ✓ ☐ Identify hotspots and possible measures
- ✓ ☐ Propose a strategy for Green Production



THE CO2 CALCULATOR

- ✓ <https://www.green-shooting.ch/>
- ✓ Available in 4 languages: English, French, Italian, German
- ✓ Accuracy of Analysis: Medium

It is used to identify hotspots and encourage change and innovation



Methodology

System boundary of the CO2-Calculator

Catering

- Meals
- Dishes



Energy

- Energy consumption for offices, film studios, Post-production, technical equipment

Travel/Transport

- Passenger transport
- Material Transport
- Accommodation




Material

- Set construction
- Costumes
- Waste



Comment:

- Calculations according to Greenhouse Gas Protocol
-  Distribution is not considered



THE PRODUCTIONS

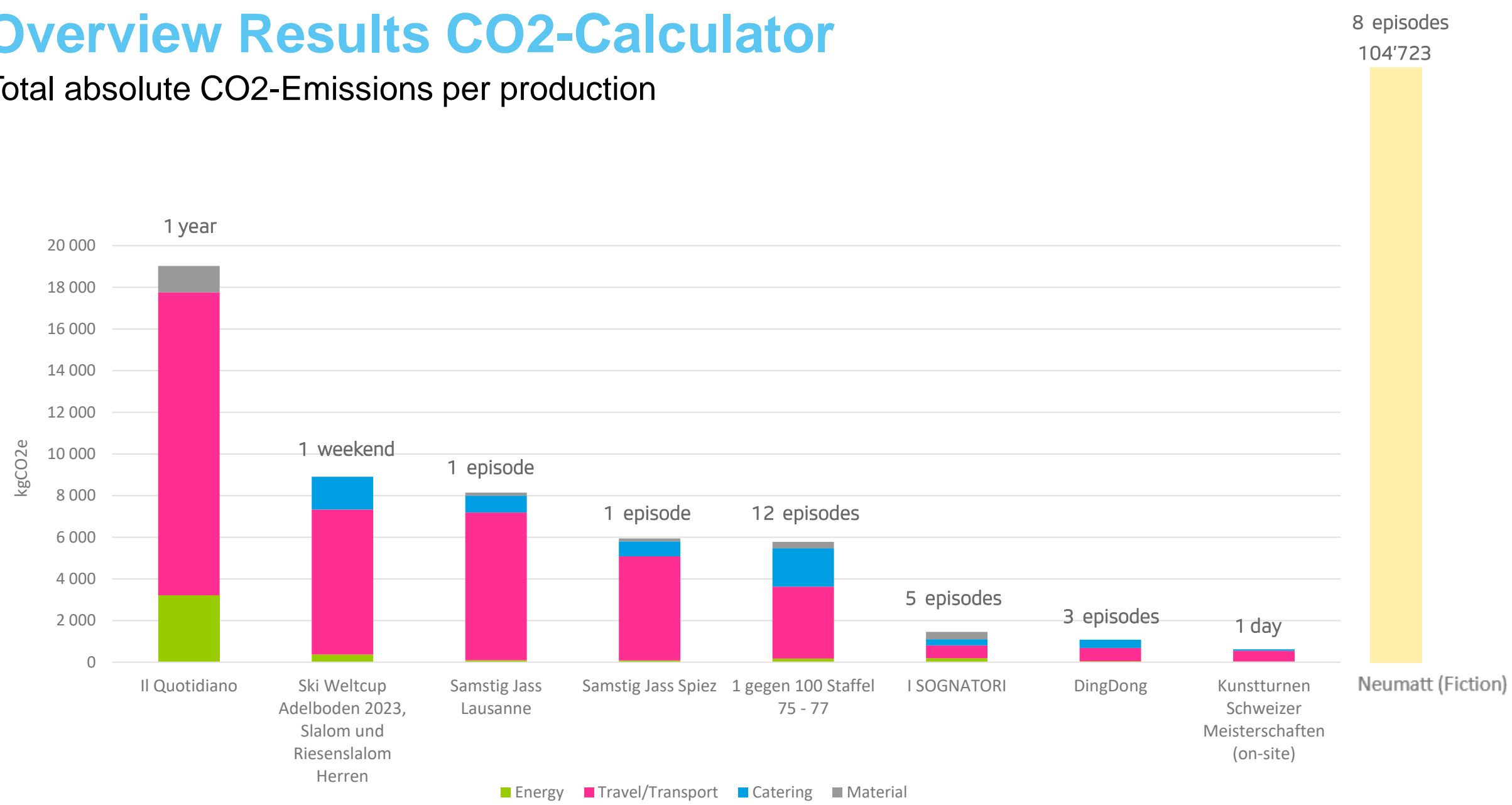
Name of production	Business Unit	Content
Il Quotidiano	RSI	Local news
I Sognatori	RSI	Local culture
1 gegen 100	SRF	Quiz Show
Samstag-Jass	SRF	Entertainment Show
Ding Dong	SRF	Lifestyle / Interiors
Delits Mineurs	RTS	Fiction / Drama series
Kunstturnen/Gymnastics	SRF	Sport
Hockey NL Regular	RTS	Sport
Neumatt Staffel 2	SRF	Fiction / Drama series
Ski World Cup Adelboden	SRF	Sport
Tatort Episode 7 and 8	SRF	Fiction / Drama



Results

Overview Results CO2-Calculator

Total absolute CO2-Emissions per production

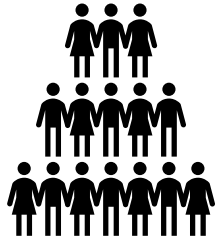


HOTSPOTS and what causes them

- Travel and Transport
 - High number of production crew, cast or audience
 - Travel by fuel-intensive means
 - Multiple production days
 - Long distances
- Catering
 - High number of full board meals (not bio, local or veggie)
 - Single-use plates, cups and cutlery
- Energy
 - Non-SRG premises without eco-power



One day Drama/Fiction production at SRF



50
Crew

0-50
Extras

1-6
Actors

15.8 t
Material



15
Cars



14
Trans-
porters

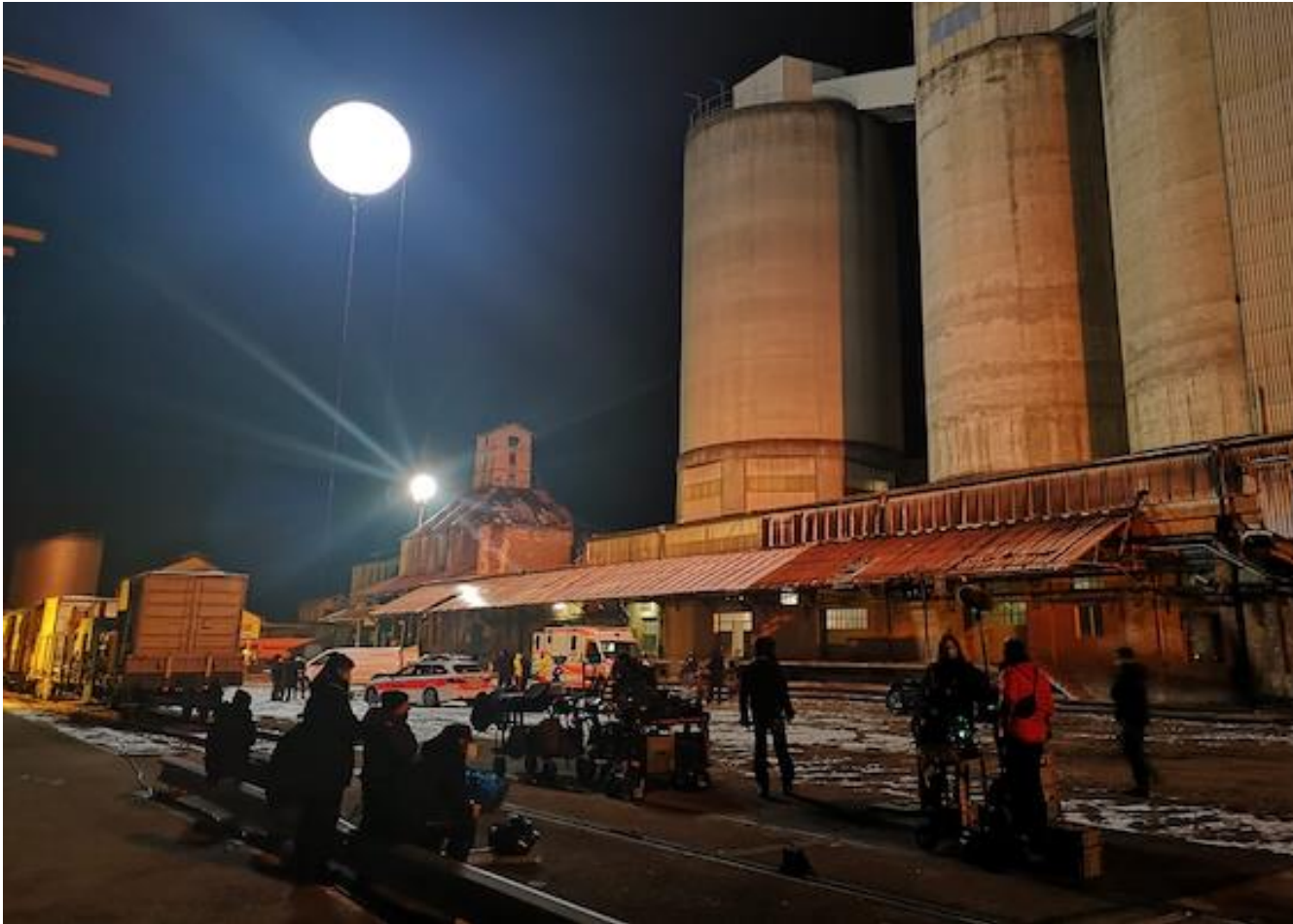


1 Lorry
7T



1 Catering Van
1 Green Room Van

Making-of...

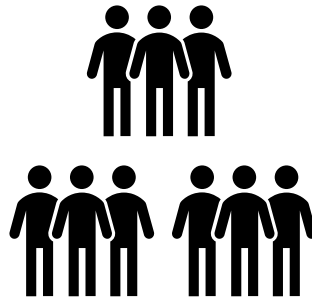


Difficult to work with LED as not powerful enough.

One day local news at RSI

**365
days**

**19:00
Daily
Studio
Show**



9 Journalists
4-5 Camera/Sound Operators
4-5 Editors
5 Studio Crew



4-5 ENG Cars



4-5 Edit Suites

Making of...



All equipment fits into a car boot.

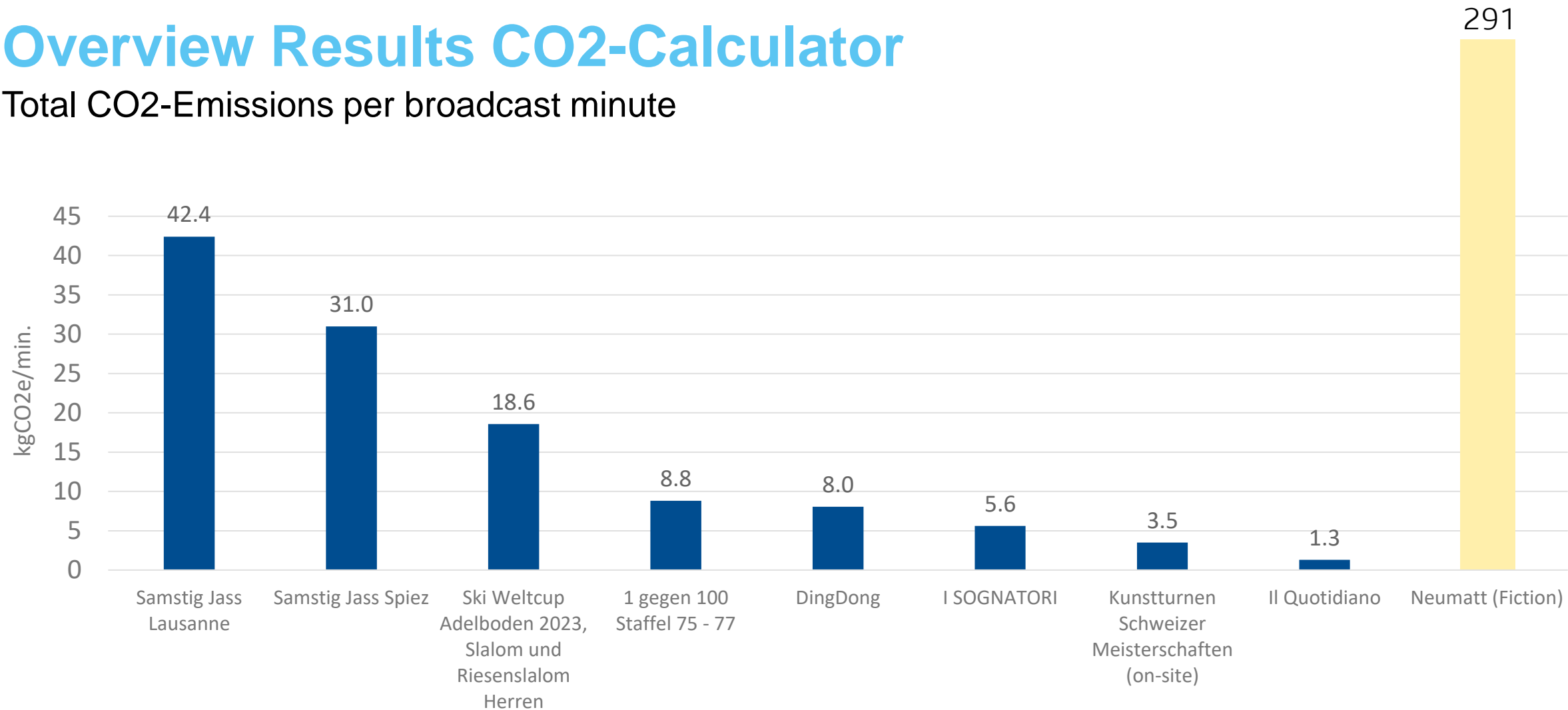
Full LED lighting in the studio...



**Which one, do you think, emits
more CO2 per broadcast minute?**

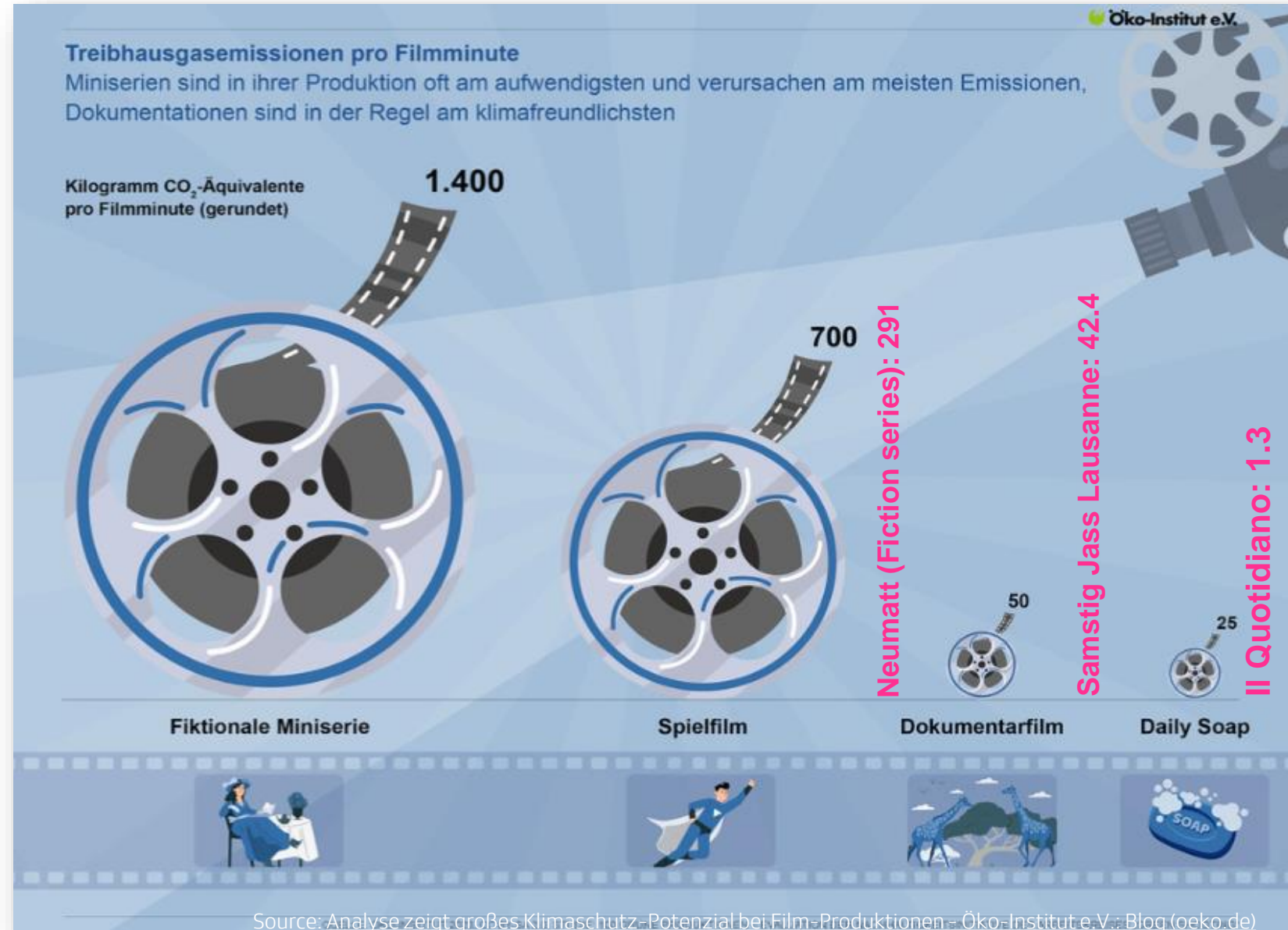
Overview Results CO2-Calculator

Total CO2-Emissions per broadcast minute



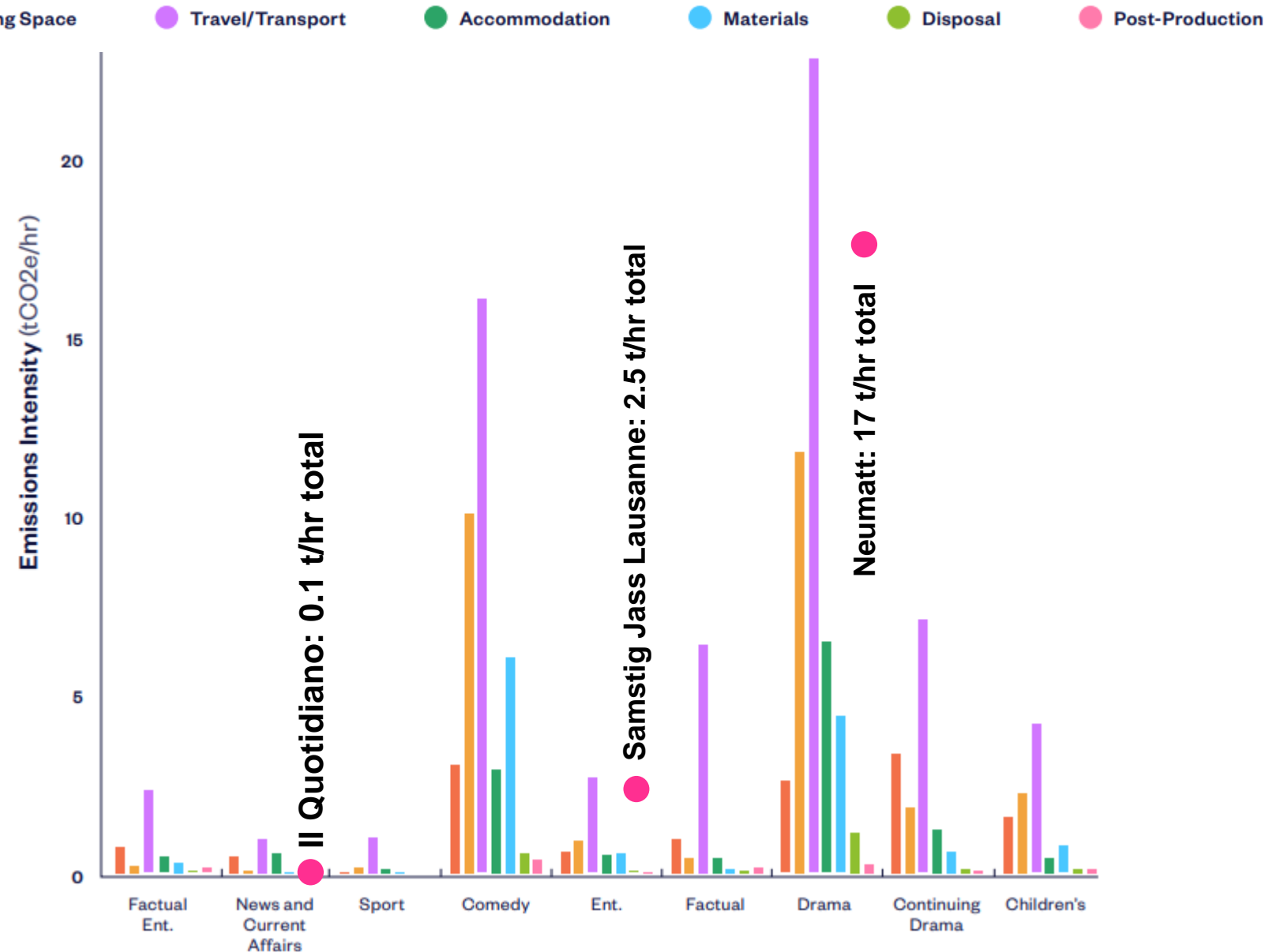
International comparison with Germany

- "100 green film productions" measured in Germany
- Kg CO₂ per Broadcast minute



International comparison with Great Britain

- Average of all productions entered in Albert CO2 calculator in 2021
- Tonnes CO2 per Broadcast hour



Measures



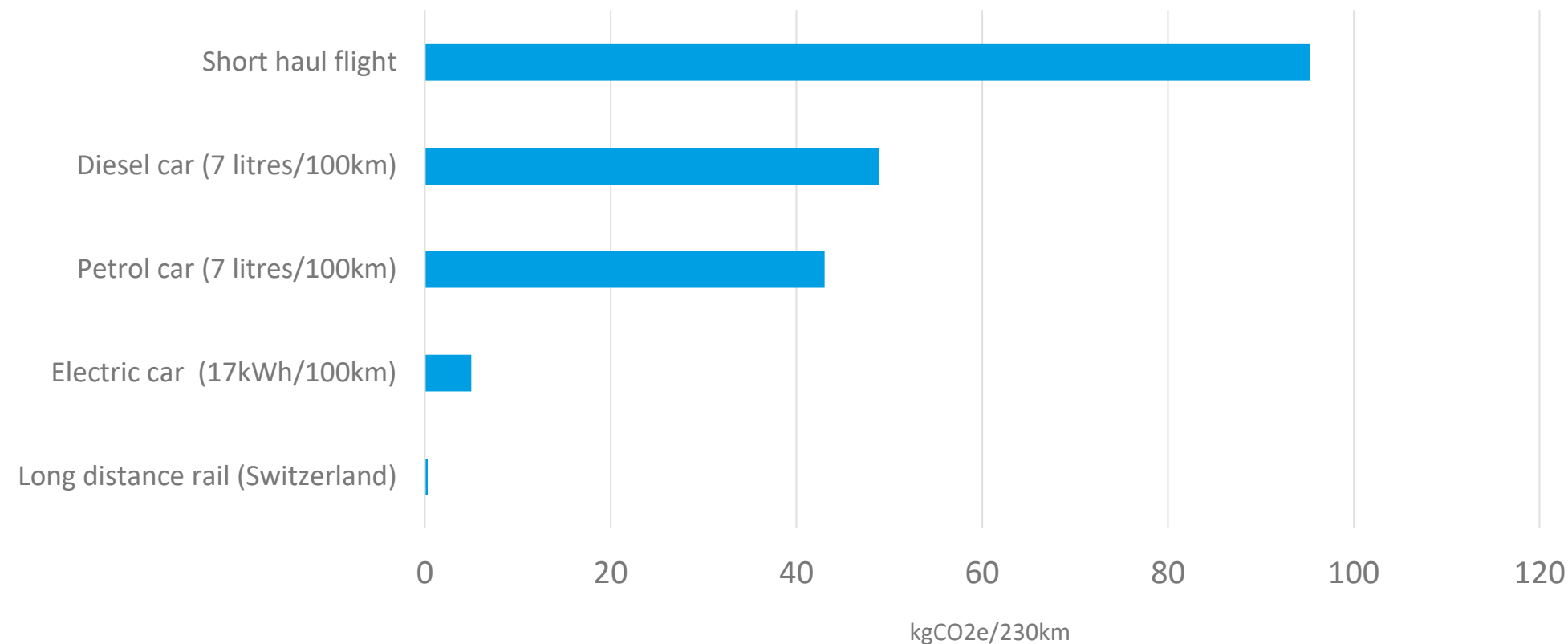
POSSIBLE MEASURES – TRAVEL & TRANSPORT

- ✓ Public Transport incentives for staff and audience
- ✓ Vehicles powered by renewable energy
- ✓ Less material, less people on site with smart, remote or cloud production
- ✓ Strategic planning of ressources (Dispo)

GHG emission reduction potential

Travel/Transport

Emission factors for different transport modes (for 2 people travelling together from Zurich to Geneva (230km))

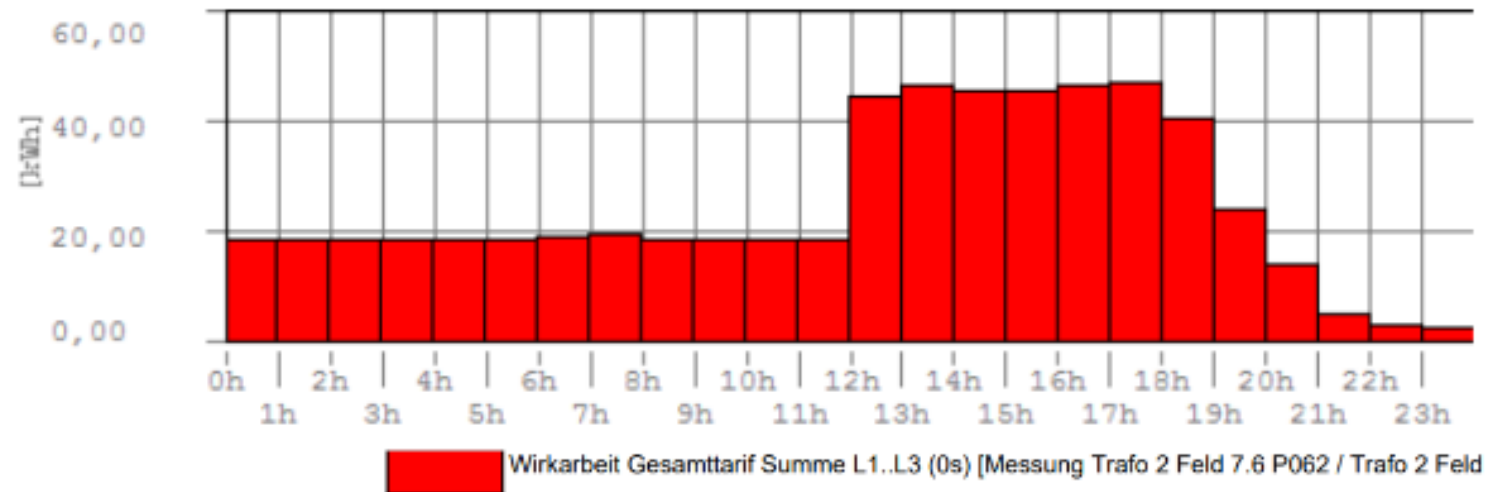




POSSIBLE MEASURES - ENERGY

- ✓ We already use eco power on all our premises
- ✓ Try to use eco power also on non-SRG premises, where available
- ✓ Avoid using generators
- ✓ Energy is not a hotspot, but saving energy should a focus
 - LED Lights
 - Avoid unnecessary stand-by usage

Example of Standby Usage



SRF Studio 5 over night usage 20 kw per hour
Just one example... there are many more

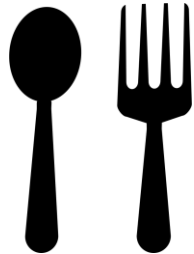


POSSIBLE MEASURES – CATERING

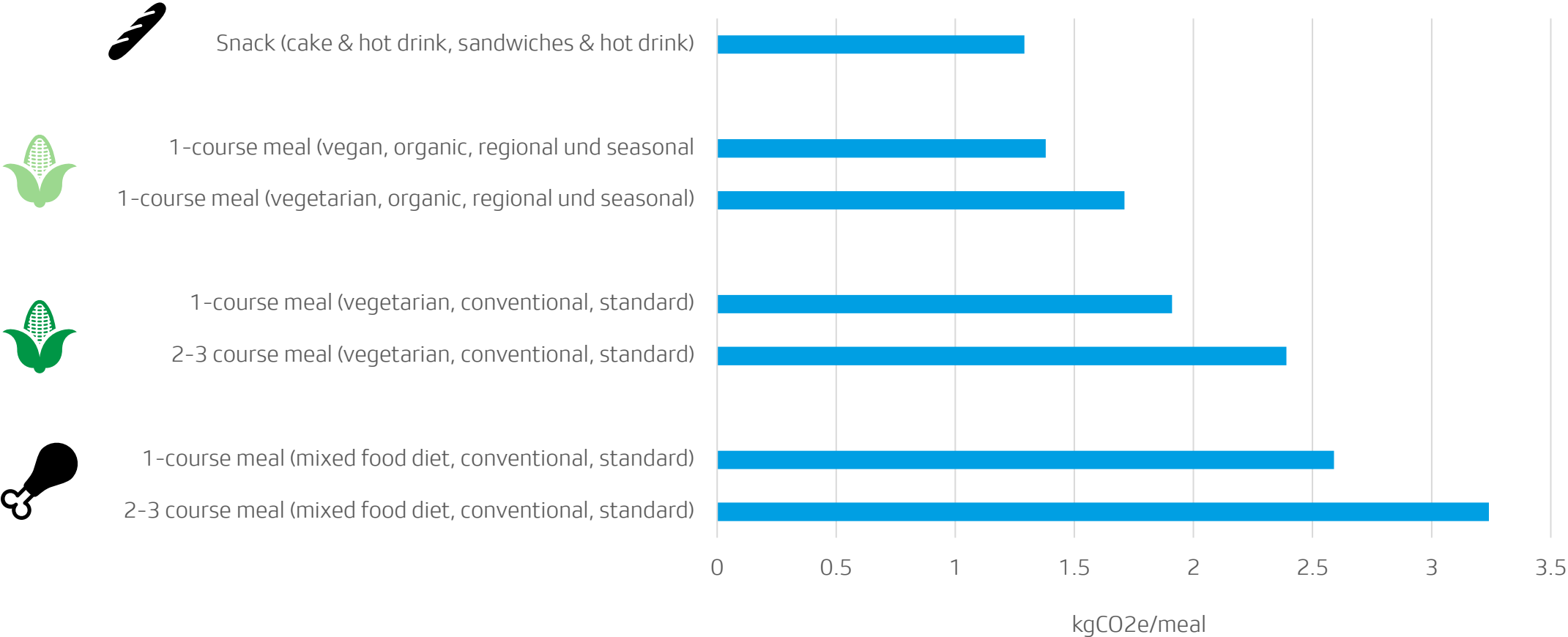
- ✓ Local and bio
- ✓ Less meat
- ✓ Avoid food waste

GHG emission reduction potential

Meals



Emission factors of different meals





POSSIBLE MEASURES – MATERIALS

- ✓ Reusable sets
- ✓ Reusable costumes
- ✓ Bio degradable cleaning materials, paints and make-up
- ✓ Recycled printing and toilet paper
- ✓ General recycling and waste management

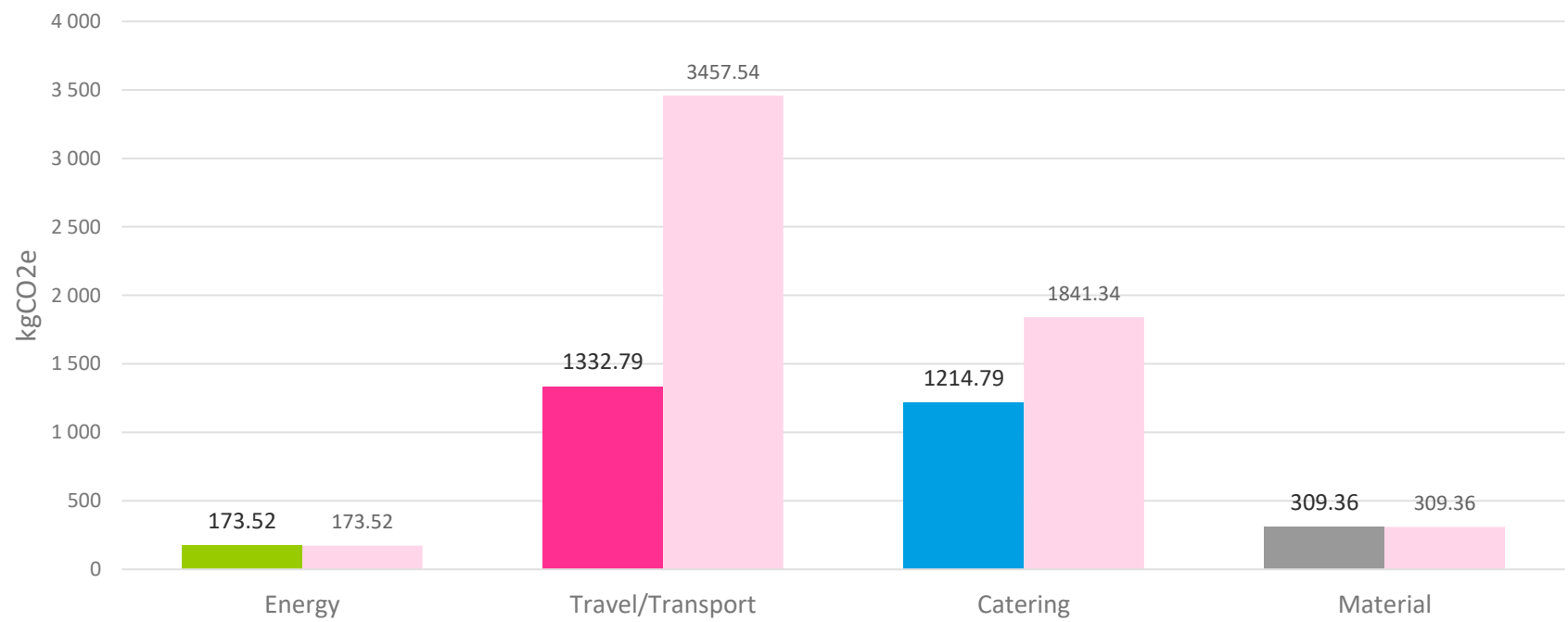
Examples

GHG emission reduction potential

“1 gegen 100”



Quiz show with improved public transport and catering





- Positive side effect:
- Raise awareness
 - Show our sustainability efforts

- 48% emissions

GHG emission reduction measures

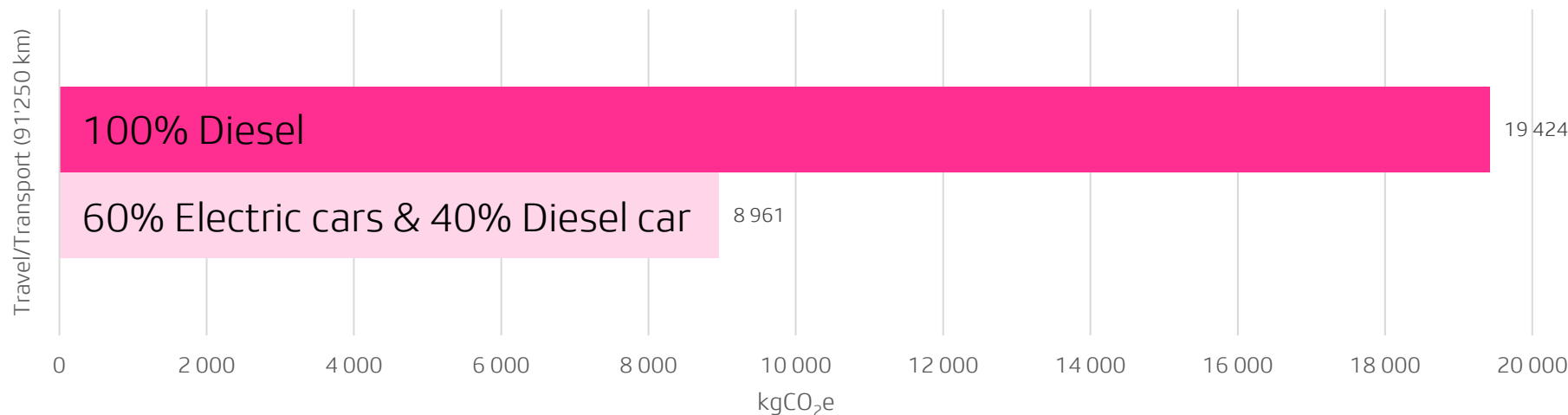
Example: “1 gegen 100”

	Area	Reduction measures	Reduction potential
	Travel/Transport	<ul style="list-style-type: none">• Incentives for public transport → 100% public transport	- 37% of total GHG emissions
	Catering	<ul style="list-style-type: none">• Preference for vegetarian and regional/seasonal meals	- 10% of total GHG emissions
		<ul style="list-style-type: none">• Avoid disposable dishes	- 1% of total GHG emissions
	Total		- 48% of total GHG emissions

GHG emission reduction potential

Example: “Il Quotidiano”

Reduction potential with 3 Electric cars and 2 Diesel (instead of 5 Diesel)



- 54% emissions

Positive side effect:

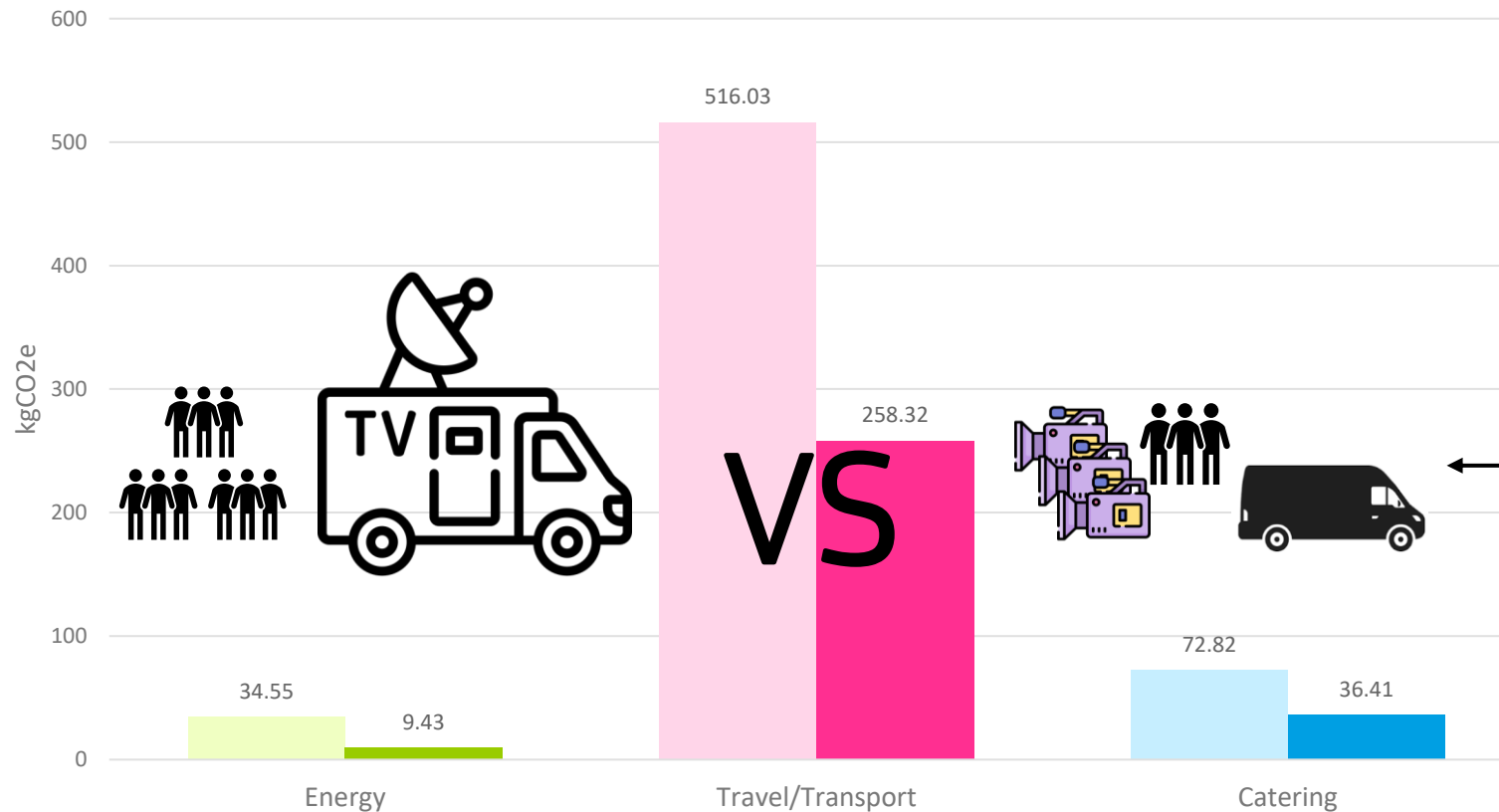
- Beneficial Audience perception
- Show sustainability effort
- Clean and quiet travel

GHG emission reduction potential

Example: “Kunstturnen Schweizer Meisterschaften”



Kunstturnen Schweizer Meisterschaften (on-site vs. remote)






- 51% emissions

Positive side effect:

- Save money (Travel time and expenses)
- We don't always rock up with the big machinery (audience perception)

GHG emission reduction potential

Example: “Kunstturnen Schweizer Meisterschaften” in Montreux

	Area	Reduction measures	Reduction potential
	Energy	<ul style="list-style-type: none">Use of green electricity	- 4% of total GHG emissions
	Travel/Transport	<ul style="list-style-type: none">Remote Production<ul style="list-style-type: none">Travel of 3 instead of 9 crew membersSmaller van6 instead of 10 overnights	- 41% of total GHG emissions
	Catering	<ul style="list-style-type: none">Remote Production<ul style="list-style-type: none">6 instead of 12 full board meals	- 6% of total GHG emissions
	Total		- 51% of total GHG emissions

Strategy

SRG values & sustainability strategy

Green Production is a perfect fit for the company strategy

Vision

Wir schaffen Vertrauen. Unsere Angebote sollen unser Publikum befähigen, die Zukunft weitsichtig und vielfältig zu gestalten.

Mission

Wir unterstützen die demokratische Meinungsbildung. Wir informieren ausgewogen über Geschehnisse im In- und Ausland und ordnen sie ein.

Wir setzen uns auf allen Ebenen für mehr Vielfalt ein und bilden diese auch ab. Wir stärken die Offenheit und das Verständnis für- und untereinander, indem wir das kulturelle Schaffen fördern und Ereignisse in Kultur, Sport und Unterhaltung begleiten und beleuchten.

Wir einen die Schweizer Gesellschaft und engagieren uns für Solidarität und gegenseitiges Verständnis.

Werte



Unternehmens- und Angebotsstrategie 2023–2024

SRG SSR



9. Nachhaltigkeit: Wir nehmen unsere ökologische, soziale und ökonomische Verantwortung wahr.

In unserer Rolle als Arbeitgeberin, Produzentin von Medieninhalten und als Beschafferin von Gütern / Dienstleistungen richten wir uns nach den Prinzipien der verantwortungsvollen Geschäftsführung («Corporate Social Responsibility»). Die ökologische, soziale und ökonomische Nachhaltigkeit stehen dabei gleichermassen im Zentrum. Wir wägen Nachhaltigkeitsrisiken sorgfältig ab und minimieren negative Auswirkungen auf die Umwelt sowie auf gesellschaftliche Stakeholder.

Sustainability in the media sector

How far is the industry?

An increasing number of film and media producers and studio networks are starting to set industry standards or climate targets.



- Goal: "carbon neutrality"
- Strategy: renewable electricity, green productions, sustainable procurement, promoting sustainable employee mobility

Source: [Nachhaltigkeit im ZDF](#)



- Goal: "carbon neutral" by 2030
- Strategy: lower energy consumption, renewable electricity, green productions, sust. employee mobility, investments in climate protection projects

Source: [ProSiebenSat.1 - Klima & Umwelt](#)



"The biggest shows with the smallest footprint"



Source: [ITV - Climate Action](#)

NETFLIX



Source: [Netflix - Climate Commitments](#)

Green Production Standards and Certifications

Which standards exist in Europe?



- German minimum standards and certificate (since 2021)



- French association since 2021, certificate since 2023



- UK Association since 2011, certificate since 2014

How to move forward?

Future scenarios for the Green Production Project



Motivation:

We want to take Green Production to the next level and contribute to the reduction of the SRG footprint. We want to be a key driver for sustainability in the SRG sustainability strategy.

How?

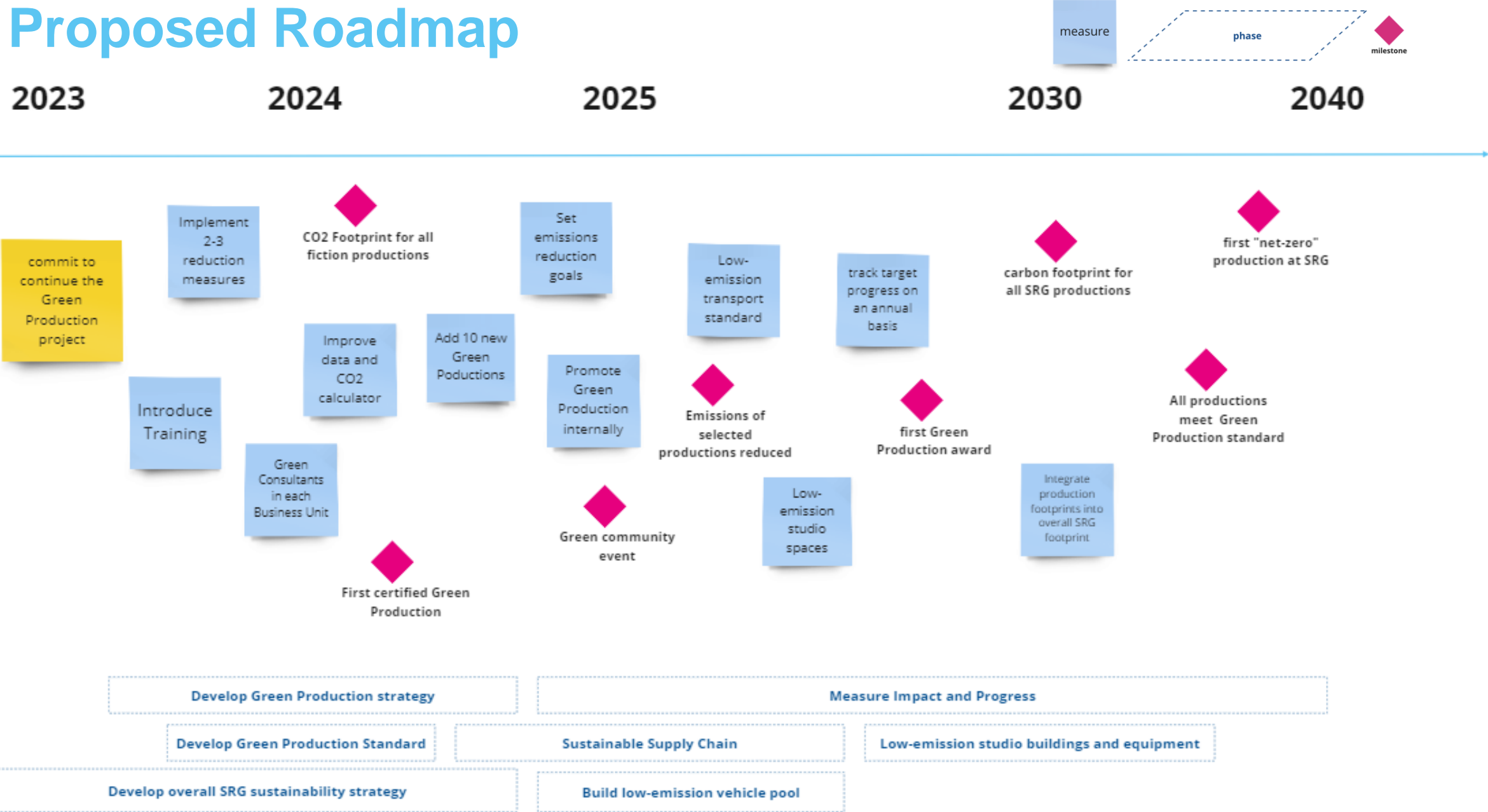
- By evolving the Green Production project continuously with a clear orientation towards the SRG sustainability goals

Areas of focus, areas of growth

In the current project set-up, we can drive climate action on the production level

	Short-term (1-2 years)	Mid-term (2-5 years)	Long-term (>5 years)
Carbon Footprint/ CO ₂ Calculator	<ul style="list-style-type: none"> • Introduce training • Establish tool maintenance & review process • Develop data collection guidance 	<ul style="list-style-type: none"> • Improve data quality for carbon footprint calculation • Extend tool guidance with benchmarks and reference values 	<ul style="list-style-type: none"> • Carbon footprint for all SRG productions
Production Level	<ul style="list-style-type: none"> • Develop "SRG Green Production Standard" • Set KPI for amount of productions to use CO2 Calculator • Select and implement 2-3 reduction measures for those productions 	<ul style="list-style-type: none"> • Introduce "SRG Green Production Standard" for selected productions • Reduce Emissions of selected productions • Carbon footprint and emission reduction measures for all fiction productions • Introduce low-emission travel & transport standard 	<ul style="list-style-type: none"> • All productions meet at least minimum requirements of SRG Green Production standard • First "net-zero" production at SRG
Company Level	<ul style="list-style-type: none"> • Improve data foundation (e.g. mobility survey, meters for electricity consumption of studios) 	<ul style="list-style-type: none"> • Switch to energy-efficient lighting and refurbish old studios • Support Green Production measures by creating incentives on company level 	<ul style="list-style-type: none"> • Build low-emission vehicle pool • Integrate production footprints into overall SRG carbon footprint
Strategy	<ul style="list-style-type: none"> • Commit to continue the Green Production Project • Determine framework conditions for a Green Production Strategy 	<ul style="list-style-type: none"> • Develop "Green Production strategy" aligned with SRG sustainability strategy • Develop KPIs to measure impact & progress 	<ul style="list-style-type: none"> • Track target progress on an annual basis
People & Culture	<ul style="list-style-type: none"> • Green Production community event • Green Production workshop with relevant stakeholders • Promote Green Production project in internal communication channels 	<ul style="list-style-type: none"> • Nominate a green consultant in each business unit • First "Green Production Award" at SRG 	<ul style="list-style-type: none"> • Green production culture with communication channels, green consultants, community events etc.

Proposed Roadmap



Primary FOCUS

- Join a Green Production Standard
- Make CO2 calculation mandatory for fiction/drama
- Make a selection of internal productions «green»
- Train internal Green Consultants and Super Users
- Make sure new technological investments take sustainability into account

WHO IS KEY?

- **Producers**
 - Make sustainability part of the commissioning process
- **Production managers and assistants**
 - Cost and CO2 Calculation
 - Advise on measures
- **Technical Project Managers**
 - Provide data for CO2 Calculation
 - Advise on measures incl. Technical measures

Scenarios

Green Production plan 2023-2024: “minimal”

Actions		
CO ₂ Calculator	Training	<ul style="list-style-type: none"> • Live walkthrough
	Data collection	<ul style="list-style-type: none"> • Data collection guidance/manual
Production level	Implementation of 2-3 reduction measures per production	<ul style="list-style-type: none"> • Define a set of reasonably ambitious, cost-effective reduction measures per production
	5 new productions added to Green Production project	<ul style="list-style-type: none"> • Select suitable productions, internal search/ call for interested people
Strategy	Commitment to continue the Green Production project	Management decision to continue project
People	Green Production Group	National exchange group

Deliverables:

- CO₂ of 5 SRG productions measured
- Selected reduction measures implemented

Total costs:

- Internal: 240 hours for Green Production Group (5 people, monthly meeting), 50 hours for Green Production Analysis
- External: none

Pros:

- Low costs/effort needed

Cons:

- Lack of reliability in the CO₂ calculations
- No link to SRG strategy
- Slow progress without dedicated resources

Green Production plan 2023-2024: “adequate”

Actions		
CO ₂ Calculator	Training	<ul style="list-style-type: none"> Basic Training Green Consultant Training
	Tool maintenance	<ul style="list-style-type: none"> Review and improvement process
	Data collection	<ul style="list-style-type: none"> Data collection guidance/manual Improve data foundation through metering, mobility surveys, etc.
Production Level	"SRG Green Production Standard" incl. KPIs	<ul style="list-style-type: none"> Set minimum requirements for a Green Production Standard
	Emissions reduction goal 2030 for productions	<ul style="list-style-type: none"> Set an absolute emissions reduction goal per production
	Implementation reduction measures	<ul style="list-style-type: none"> According to SRG standards
	10 new productions added to Green Production project	<ul style="list-style-type: none"> Select suitable productions, internal search/ call for interested people
Strategy	Commitment to continue the Green Production project	Management decision to continue project
People & Culture	Green Production Consultants	Certified Green Production consultants in each business unit
	Green Production Lead in every business unit	Coordinate, drive strategy, EBU exchange, etc.
	Green Production Coordinator	Coordinate and drive efforts on a national level, EBU Exchange, Standards, Calculator, Reports

Deliverables:

- CO₂ of 10 SRG productions measured and reviewed
- Reduction measures implemented
- Long-term strategy and reduction goal for the Green Production established

Total costs:

Internal: 10 – 40 % Green Production lead in each business unit
20 – 40 % national Green Production coordinator

External:

- Green Consultant Training 10 Days + exam 15'000 CHF (per language)
- External consultancy 10'875 CHF

Pros:

- Reliable CO₂ calculations
- Growing awareness and internal know-how
- Link to SRG strategy reduction goals
- Dedicated resources

Cons:

- Producers/Editorial not part of the strategy
- Certifications limited
- No company-wide communication

Green Production plan 2023-2024: “maximum”

Actions		
CO ₂ Calculator	Training	<ul style="list-style-type: none"> Basic and specialised Training for all crew Green Consultant Training
	Tool maintenance	<ul style="list-style-type: none"> Review and improvement process
	Data collection	<ul style="list-style-type: none"> Data collection guidance/manual Improve data foundation through metering, mobility surveys, etc.
Production Level	"SRG Green Production Standard" incl. KPIs	<ul style="list-style-type: none"> Set minimum requirements for Green Production Standard
	Emissions reduction goal 2030 for productions	<ul style="list-style-type: none"> Set an absolute emissions reduction goal per production
	Reduction Measures and certification	<ul style="list-style-type: none"> According to SRG standards
	20 new productions added to Green Production project	<ul style="list-style-type: none"> Select suitable productions, internal search/ call for interested people
Strategy	Commitment to continue the Green Production project	Management decision to continue project
People & Culture	Green Production Consultants	Certified Green Production consultants in each business unit
	Green Production Lead in every business unit	Coordinate, drive strategy, EBU exchange, etc.
	Green Production Coordinator	Coordinate and drive efforts on a national level, EBU Exchange, Standards, Calculator, Reports
	Green Content Strategy and Training	Full-scale training for journalists, producers and other content related departments

Deliverables:

- CO₂ of 20 SRG productions measured and reviewed
- Selected reduction measures implemented
- Long-term strategy and reduction goal for the Green Production established

Total costs:

Internal: 20 – 100 % Green Production lead in each business unit
100 % national Green Production coordinator

External:

- Green Consultant Training 10 Days + exam 15'000 CHF (per language), Plus special 10 Days
- External consultancy 25'500 CHF

Pros:

- Reliable CO₂ calculations
- Growing awareness and internal know-how
- Link to SRG strategy reduction goals
- Dedicated resources
- Large scale certification
- Company-wide promotion and communication

Cons:

- High effort and cost

WHAT IF WE DON'T DO IT?

- International Pressure:
 - Green Production is mandatory for German co-productions
Example: SRF Drama series «Davos» 2023
 - TV5 has warned that they will only show productions with Green Production standards, which would affect RTS
- Climate change is the most challenging issue of our time
 - The film & media industry has the power to educate people on climate change and inspire them to make sustainable choices.
However, if we don't apply those principles to ourselves, we risk a loss of credibility and trust

The future is starting now...

SRF is testing the VW ID Buzz as an ENG vehicle and the feedback we get when we turn up with it is really positive.



Appendix

TRAINING

- **Green Consultants**
 - Certified green consultant: 10 days + exam.
Courses available in English, French, German
Based on the German standards
 - Cost: 900 € per course day, remote
- **Basic In-house Training**
 - Green consultants design a 2 hour basic online training in French, German, Italian
 - This could be held once a month in each language, open for everyone who works on productions (producers, directors, crew, dispo, etc.)

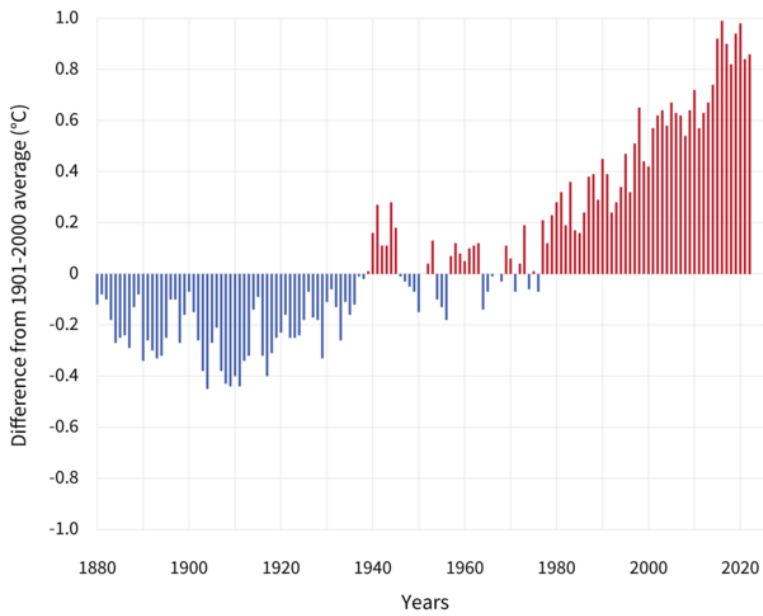
CONSULTANCY

- Even with in-house Green consultants it is necessary to verify data and get an expert opinion

Topic	myclimate Support	Costs
Carbon Footprint/ CO ₂ -Calculator		
•Tool maintenance	•Review of the emission factors, •expansion/adoption of the tool	2 workdays/ CHF 3'000.-
•Review process	•Review the data entry and calculation of the productions •Analysis of the reduction measures effectiveness and advice in adapting/developing additional reduction measures •Provide short documentation of the review results including carbon footprint visualization of each production (ppt.)	0.75 workdays per production/ CHF 1'125.- 15 workdays for 20 productions / CHF 22'500.-
Total Costs	•	17 workdays/ CHF 25'500.-

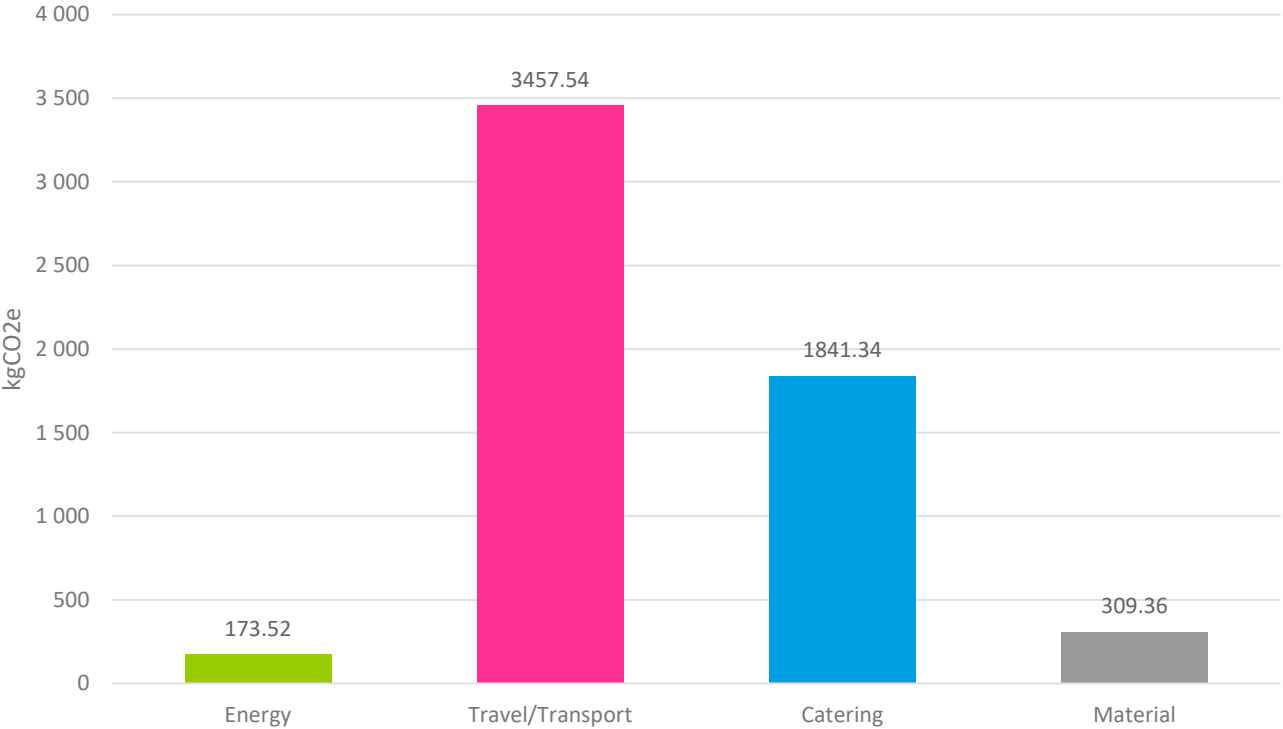
REASON WHY

GLOBAL AVERAGE SURFACE TEMPERATURE



Carbon Footprint per Production

1 gegen 100 Staffel 75 - 77







Total Carbon Footpring (in kgCO2e)	5'781.76
Length [min]	55
Number of episodes	12
Shooting days	12
Days construction & deconstruction	8
Travel days	0
Post-production (days)	26
kgCO2e per Broadcast minute	8.8

Comment:

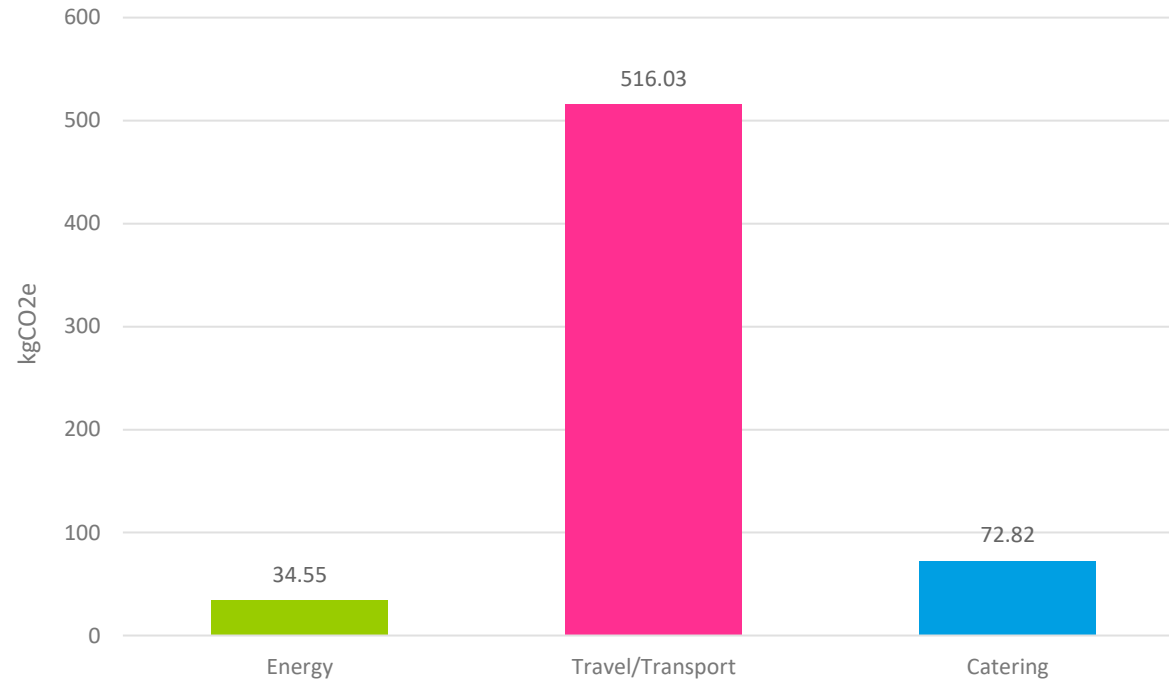
- About 60% of the total GHG emissions are caused by Travel/Transport. Passenger transport (>100 candidates) makes up 90% of the total transport/travel emissions. Distance and transport mode for candidate's travel was modelled based on assumptions.
- Catering accounts for 1/3 of the total GHG emissions. It includes the meals for the > 100 candidates for six days.
- Less than 10% of the total GHG emissions source from material (costumes of the presenter) and energy/electricity consumption (studio and office energy/ electricity). Low energy/electricity consumption due to inhouse production at Leutschenbach.

Potential GHG emission reduction measures

1 gegen 100

Area		Reduction measures
   	Energy	<ul style="list-style-type: none"> • External offices/film and television studio: When booking external offices/film and television studios, pay attention to the energy/power source (prefer renewable energy sources, e.g., MINERGIE standard) • Improve data quality of energy consumption by using data loggers • Effective electricity consumption • Rechargeable solution for 100 game controllers • Equipment could be switched off overnight, saving 20 kwh between 21:00 – 10:00 (total about 250 kwh per night, saving almost a Megawatt for the whole series)
	Travel/Transport	<ul style="list-style-type: none"> • Improve data quality by doing a mobility-survey • Use of public transport: Advise or even incentivize (with public transport voucher) candidates that they should travel by public transport instead of by car OR that they should form carpools • Equipment transport: Ensure low fuel consumption when purchasing new vehicles OR considering electric vehicles as an alternative
	Catering	<ul style="list-style-type: none"> • Improve by using bio, local, seasonal and plant-based products • Avoid single use plastic packaging and fountains instead of PET bottles
	Material	<ul style="list-style-type: none"> • Multi-recycling bins in all locations • Less printing of run-downs
General		

Kunstturnen Schweizer Meisterschaften (on-site)





Comment:

- Broadcast production took place on-site (9 crew members on site)
- 83% of total GHG emissions source from travel/transport including arrival and return journey of the crew with the VW crafter and OB van (HD7).
- Catering causes 12% of the total GHG emissions and raised from the meals for the crew on site.
- GHG emissions from energy/electricity consumption source from the on-site consumption of the OB van and the offices at Leutschenbach.

Total Carbon Footprint (in kgCO2e)	623.40
Length [min]	180
Number of episodes	1
Shooting days	1
Days construction & deconstruction	2
Travel days	
Post-production (days)	0
kgCO2e per broadcast minute	3.46

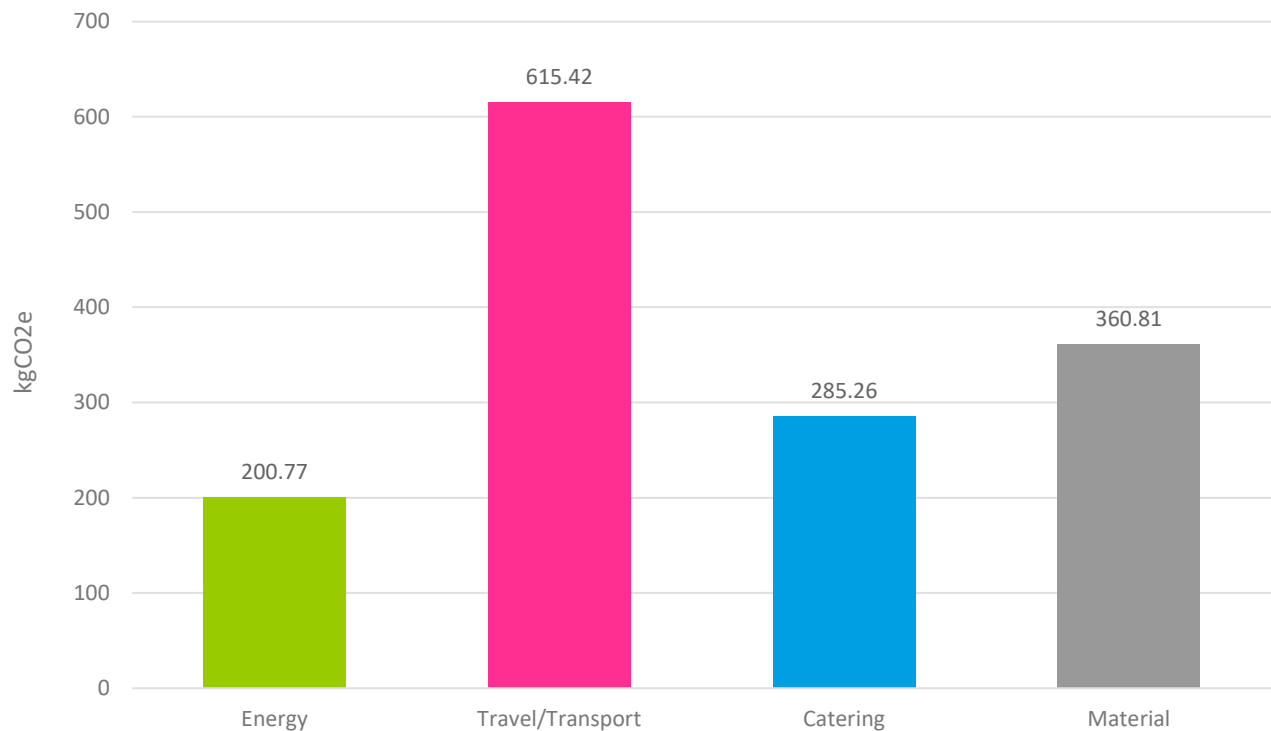
Potential GHG emission reduction measures

Kunstturnen Schweizer Meisterschaften Remote



Area	Reduction measures
Energy	<ul style="list-style-type: none">• Renewable electricity for the operation of the broadcast van• Remote production
Travel/Transport	<ul style="list-style-type: none">• Ensure low distance travel for the VW Crafter• Ensure low fuel consumption when purchasing new VW Crafter OR considering electric vehicles as an alternative

I Sognatori



Total Carbon Footpring (in kgCO2e)	1'462.26
Length [min]	52
Number of episodes	5
Shooting days	12
Days construction & deconstruction	3
Travel days	26
Post-production (days)	40
kgCO2e per broadcast minute	5.62

Comment:

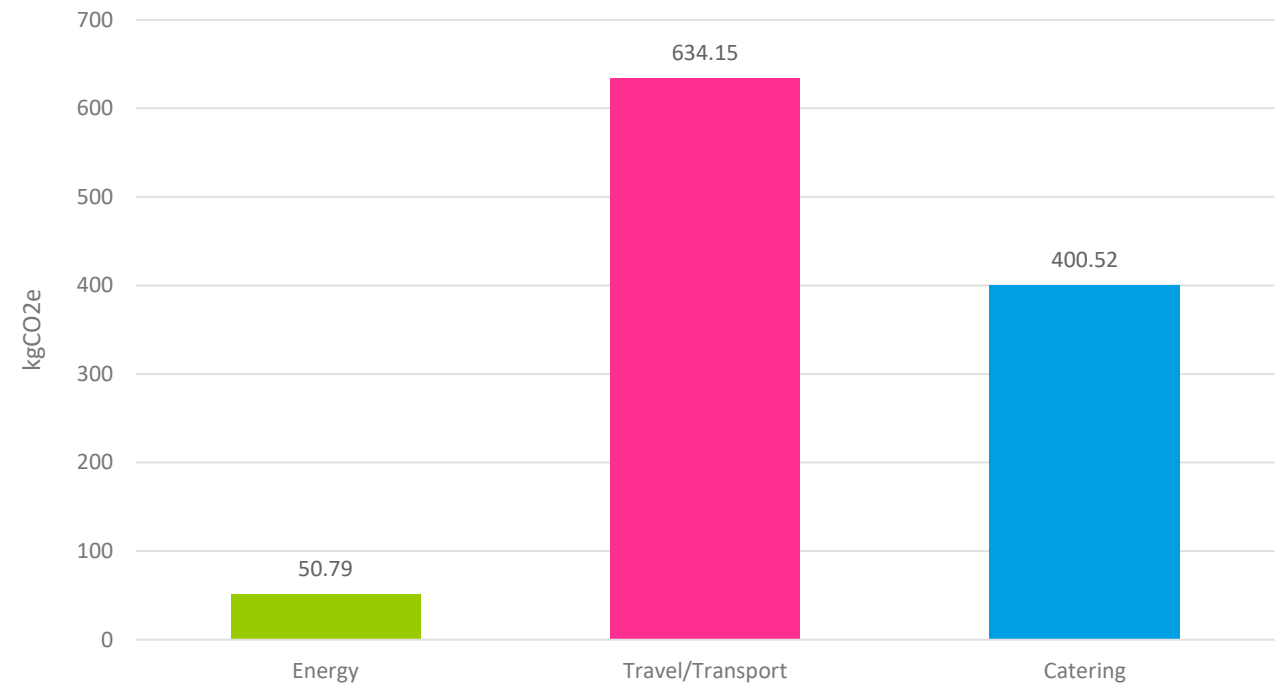
- Travel/Transport leads to 42% of the total GHG emissions. Main contributor is passenger transport including camera crew and presenters travelling to four different locations.
- 25% of the total GHG emissions comes from purchased material including the costumes for the two presenters.
- Catering makes up to 20% of the total GHG emissions due to the meals for the crew during the 4 days of production.
- Energy and electricity emissions leads to almost 13%. Production took place at different external locations with conventional electricity source and wood heating.

Potential GHG emission reduction measures

I Sognatori



Area	Reduction measures
Travel/Transport	<ul style="list-style-type: none">• An electric car for transporting all the crew• An electric van for transporting all the materials
Catering	<ul style="list-style-type: none">• Provide seasonal, regional and vegetarian options
Material	<ul style="list-style-type: none">• Renting costumes instead of buying



Total Carbon Footprint (in kgCO2e)	1'085.46
Length [min]	45
Number of episodes	3
Shooting days	12
Days construction & deconstruction	0
Travel days	0
Post-production (days)	35
kgCO2e per broadcast minute	8.04

Comment:

- With about 60% of the total GHG emissions, Travel/Transport is the main source of GHG emissions. This is due to the 10 days of overnights for 6 persons as well as the daily transport of the production crew.
- 37% sources from the Catering. This includes 66 full-board meals for the production crew during the production time.

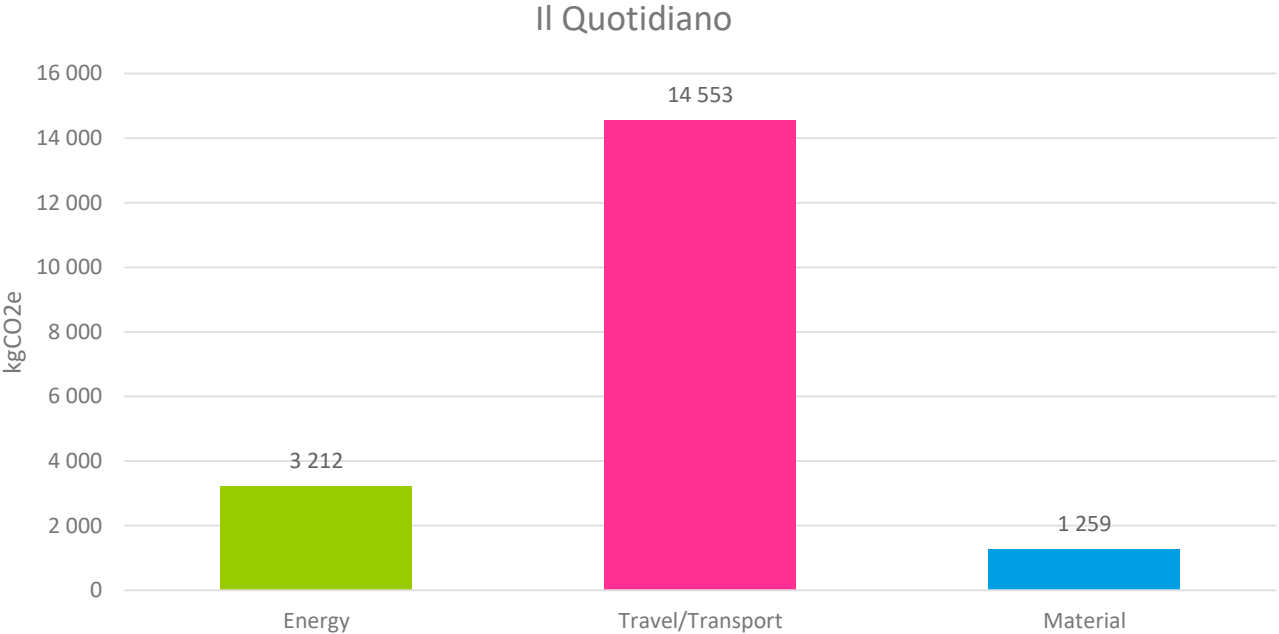
Potential GHG emission reduction measures

Ding Dong



Area	Reduction measures
Travel/Transport	<ul style="list-style-type: none">• Instead of the van (Diesel) choose public transport, even the camera person• Car with the two protagonists inside is part of the production/ option: move to public transport
Catering	<ul style="list-style-type: none">• Only vegetarian meals OR at least inform/ or refer to vegetarian meals

Il Quotidiano



Total Carbon Footprint (in kgCO2e)	19'024.26
Length [min]	40
Number of episodes	365
Shooting days	365
Days construction & deconstruction	0
Travel days	365
Post-production (days)	365
kgCO2e per broadcast minute	1.3

Comment:

- With 76% of the total GHG emissions, Travel/Transport is the main source of GHG emissions. This is due to the daily transport of the production crew to the locations.
- 17% sources from the energy consumption. This includes the daily studio and server room usage for the broadcast.
- 7% of the total GHG emissions source from waste.

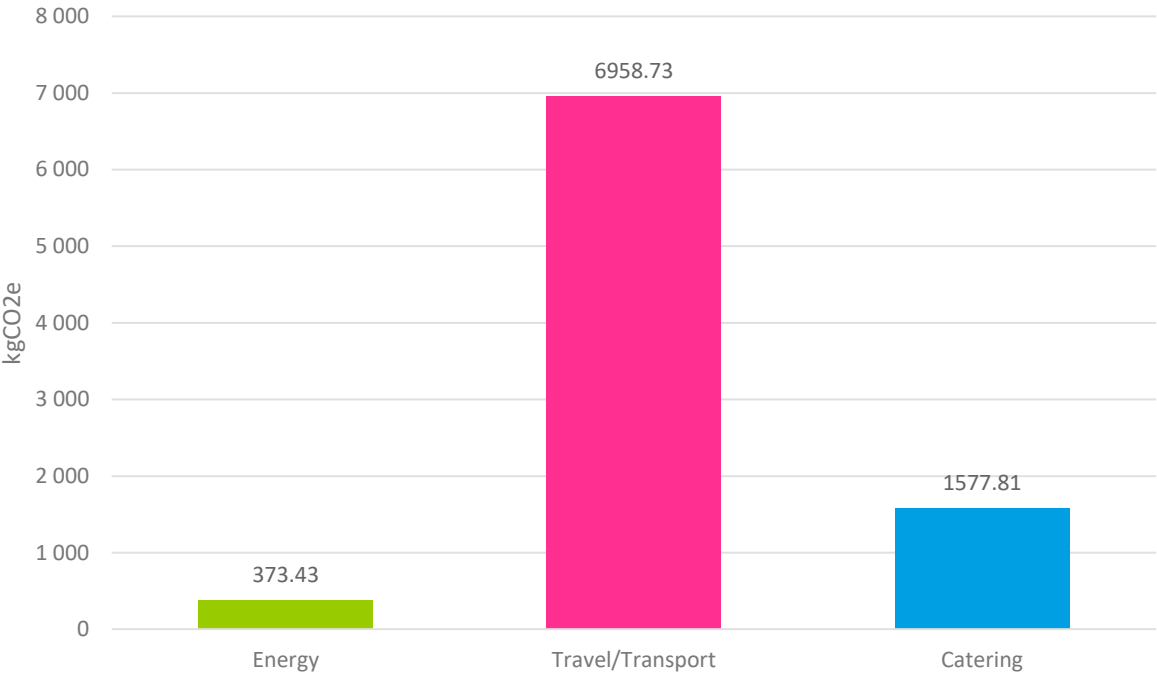
Potential GHG emission reduction measures

Il Quotidiano



Area	Reduction measures
Energy	<ul style="list-style-type: none">• Reduce the size of the studio
Travel/Transport	<ul style="list-style-type: none">• Reduce travel of camera crew by developing regional production centers for camera crews (avoid camera crews traveling to the RSI studios before heading to the broadcast location)• Editors travel to the broadcast location by public transport• Electric cars for the crew members

Ski Weltcup Adelboden 2023, Slalom und Riesenslalom Herren



Total Carbon Footprint (in kgCO2e)	8'909.97
Length [min]	480
Number of episodes	1
Shooting days	3
Days construction & deconstruction	8
Travel days	2
Post-production (days)	1
kgCO2e per broadcast minute	18.6

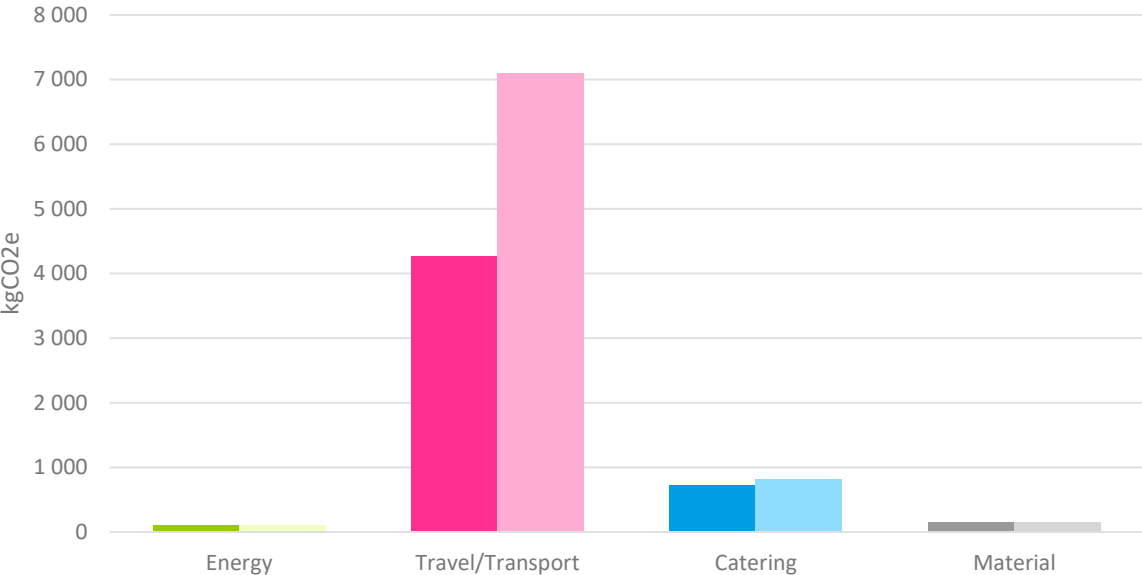
Comment:

- With 78% of the total GHG emissions, Travel/Transport is the main source of GHG emissions. Main driver is Logistics, including the transport of equipment to the broadcast location by diesel-powered trucks. Furthermore, the production involves about 80 crew members who needed accommodation and shuttle services during the production.
- Less than 20% of the total GHG emissions derives from the catering. They source from the full-board meals for the crew members over one week of production.

Samstig Jass Spiez & Lausanne



Samstig Jass Spiez & Lausanne



Spiez:

- With 84% of the total GHG emissions, Travel/Transport is the main source of GHG emissions. Main driver is personal transport (crew members, actors, audience). Second the equipment including the OB van and the transport of technical equipment.
- 12% of the total GHG emissions derives from the catering including the meals for the production crew over broadcast days.
- <5% derives from energy consumption and waste.

Lausanne:

- The distribution of the emissions is comparable to the production in Spiez
- GHG emissions from transport are higher than in Spiez due to the longer distances for crew members, audience and actors.

Spiez

Total Carbon Footprint (in kgCO2e)	5'949.54
Length [min]	32
Number of episodes	6
Shooting days	3
Days construction & deconstruction	3
Travel days	1
Post-production (days)	3
kgCO2e per broadcast minute	31.0

Lausanne

Total Carbon Footprint (in kgCO2e)	8'140.47
Length [min]	32
Number of episodes	6
Shooting days	3
Days construction & deconstruction	3
Travel days	1
Post-production (days)	3
kgCO2e per broadcast minute	42.4