

# Sustainability in Film and Media Production





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**GREEN FILM SHOOTING**

Magazine and online platform  
for sustainability in the media world

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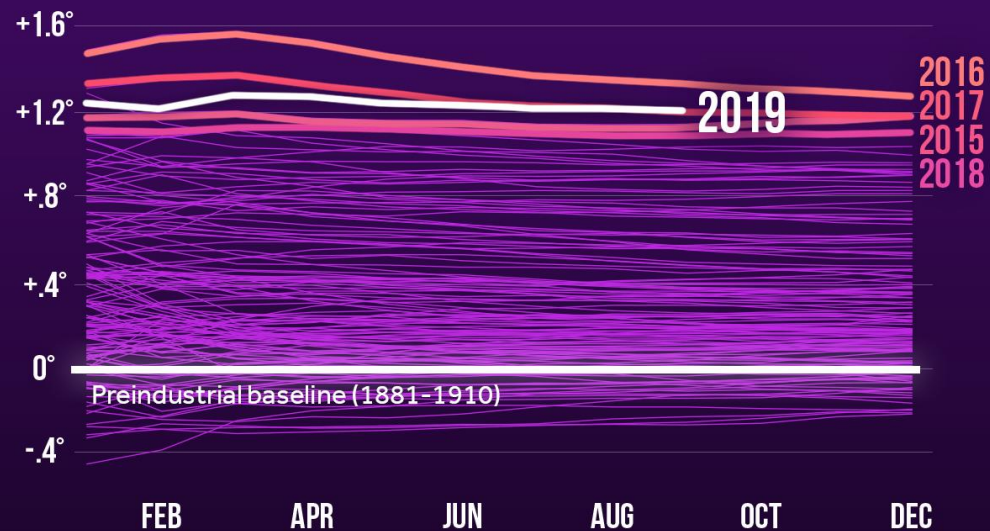
# GRÜNE FILMPRODUKTION





## HOTTEST YEARS

Global Year-to-Date Anomalies (°C) Since 1880

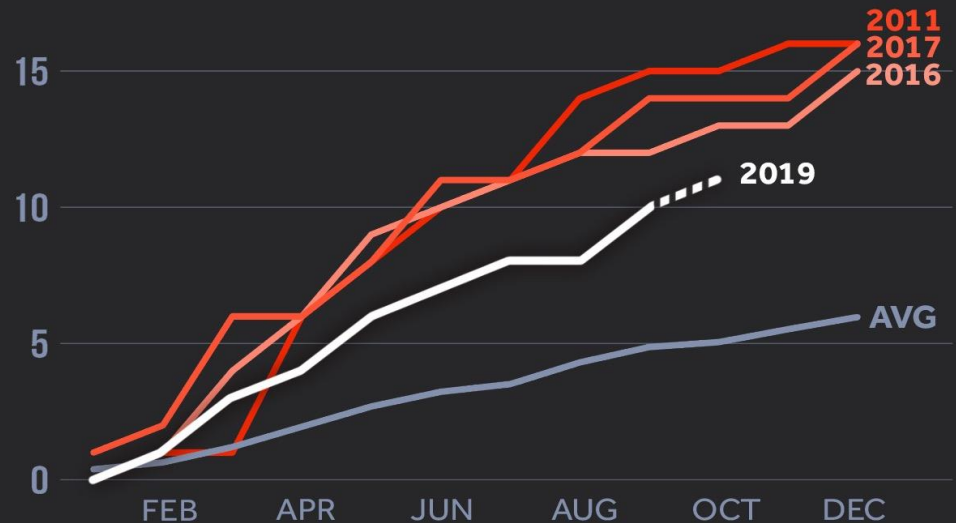


Source: NASA GISS & NOAA NCEI global temperature anomalies averaged and adjusted to early industrial baseline (1881-1910). Data as of 10/16/2019

CLIMATE  CENTRAL



## 2019 BILLION-DOLLAR DISASTERS WEATHER AND CLIMATE EVENTS



Cumulative CPI adjusted billion-dollar disaster frequency, 1980-2019 average.  
Data as of 11/5/2019  
Source: NOAA/NCEI

CLIMATE  CENTRAL



## The impact of climate change

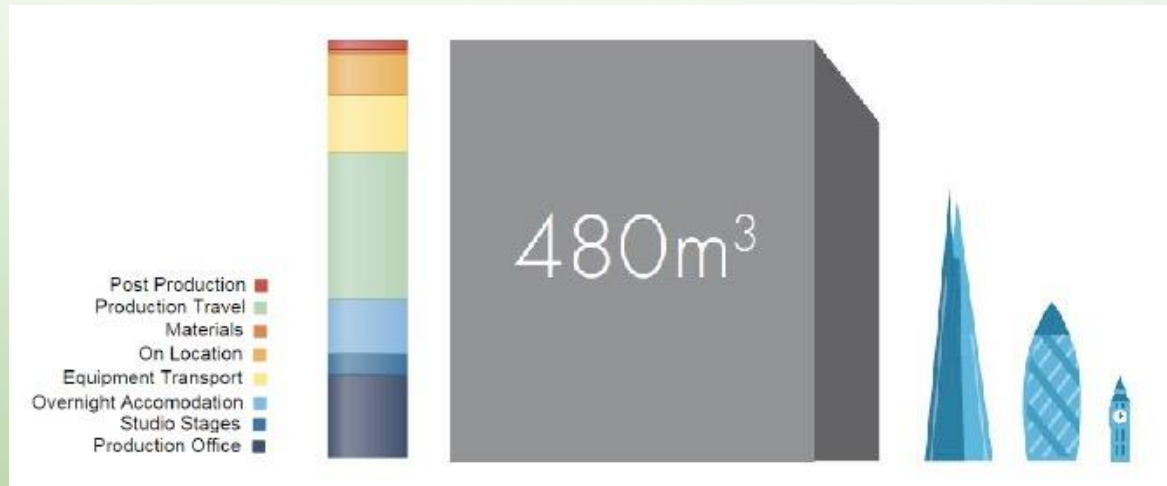


The carbon foot print of an average European feature film ranges between 650 and 1,000 tons of carbon





**Great Britannien: Carbon emissions of independent productions: 206,000 t carbon emissions per year**



Source: BAFTA albert consortium





## The costs of climate change

What can we do in film and media production to reduce our impact on the environment?



## Communication



## Production Office

- Reduce paper consumption. Don't print scripts or if so, print double-sided
- Avoid screen savers, shut down computers
- Unplug electric devices with standby mode such as water heaters, coffee machines
- Use soap and cleaning products, which are biodegradable
- Purchase fair trade products for coffee and tea
- Install a water cooler, serve tap water
- Don't use any single-use dishes





## It's all about planning



**2018 Berlinale Competition film**  
***Three Days in Quiberon* by Emely Atef**  
**was mainly shot at one location**





## Transportation

by bike

by foot

by train





## Transportation

- Hybrid cars
- Electric cars
- LPG (Liquefied Petroleum Gas)
- CNG (Compressed Natural Gas)
- Fuel cell/Green hydrogen



## Energy on Set



## EU regulation for generators

**Since January 2019: Phase V is required**





## Mobile hybrid battery (100 Kw)



## Film hybrid powered with energy from grid, battery, LPG, photovoltaic





## **Peli case with fuel cells**

methanol-based portable units with outputs of 1W to 150W,





## Caravan, partly powered by photovoltaic



## Further innovations





## Lights

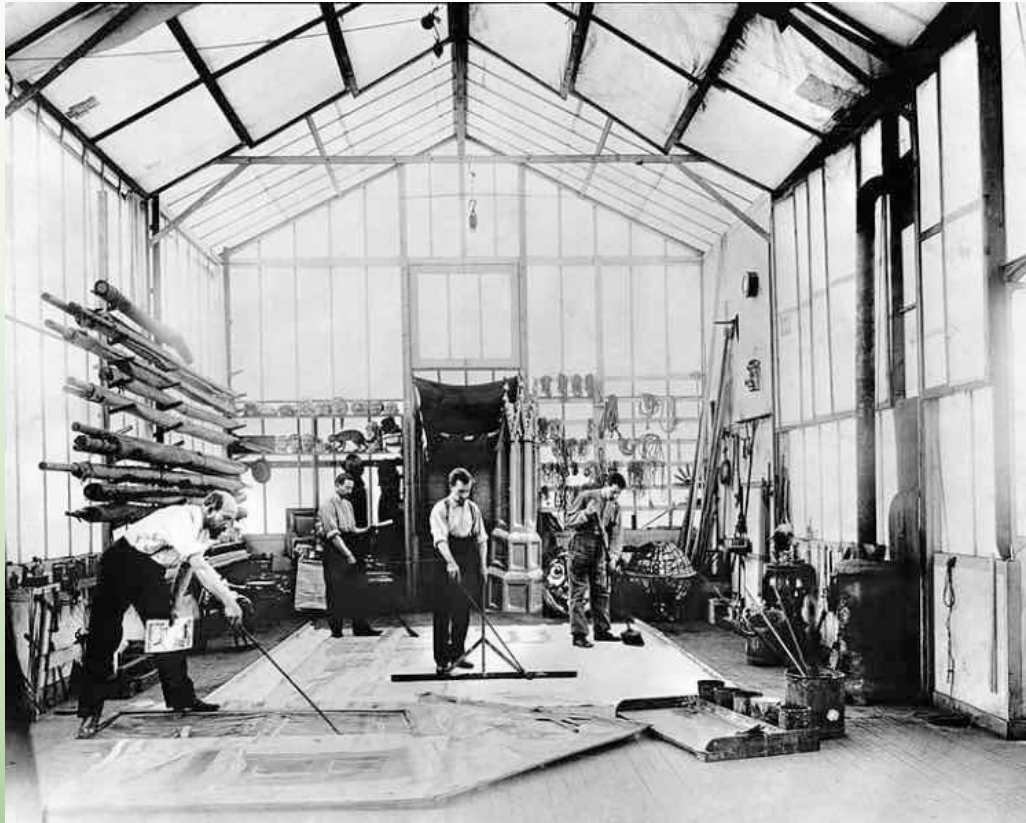




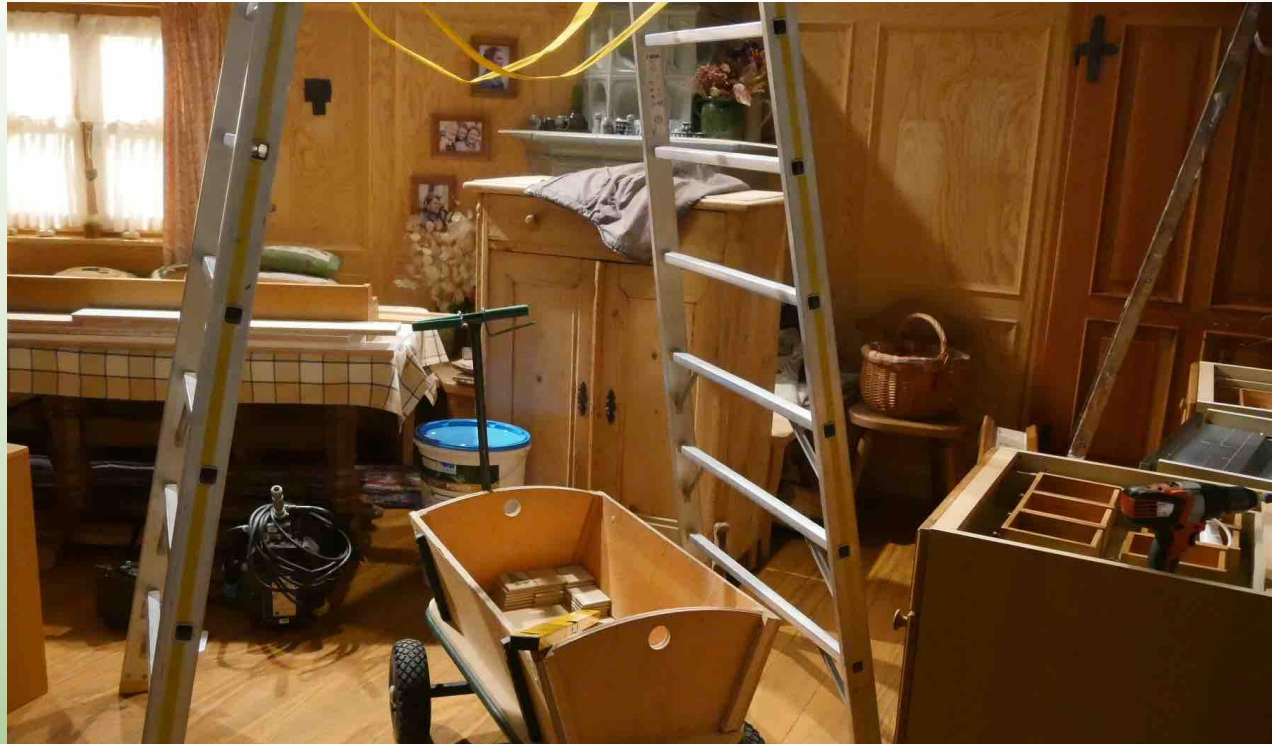
## A form free lighting tool: Carpet Light



## Working with available light



## Production Design





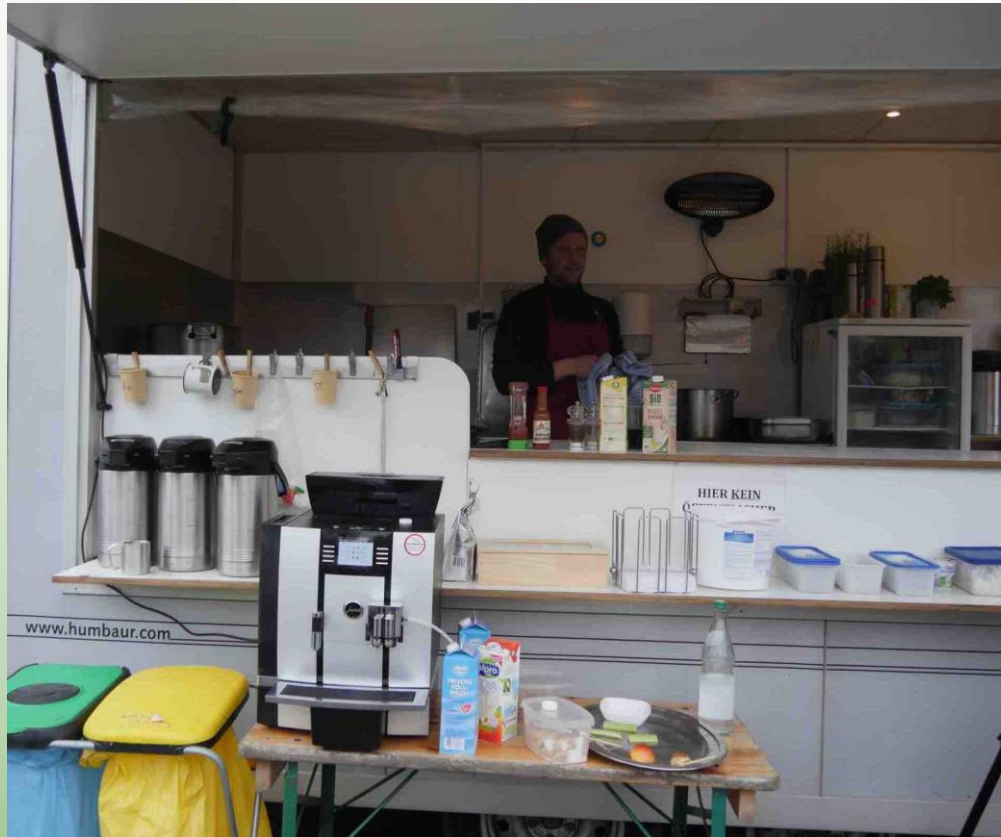
## Innovative material: Ecovative



## Catering



## Cooking on set





## Costume design



## Makeup



## Waste management





## Recycling of wood



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## Post production





## Rendering power





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Can be used to heat an office



Or even a public swimming pool



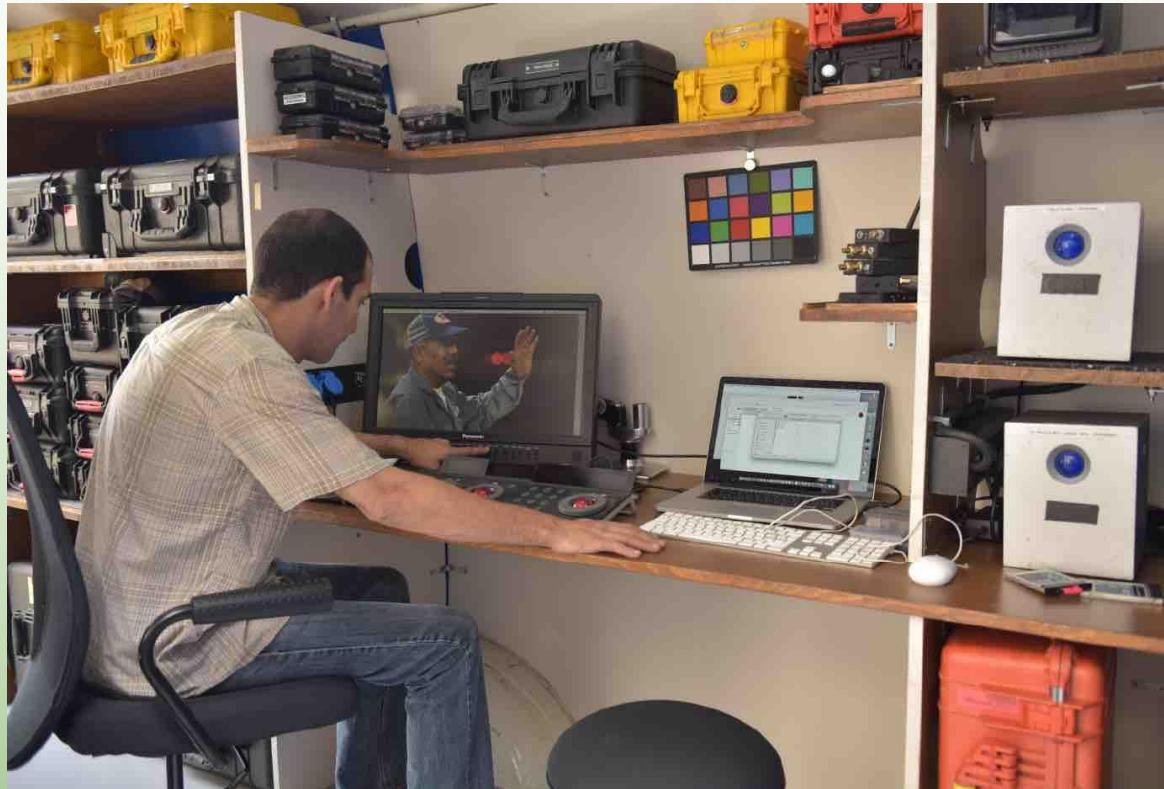
Piscine Butte aux Cailles

Photo © Gerard Sanz



# GRÜNE FILMPRODUKTION

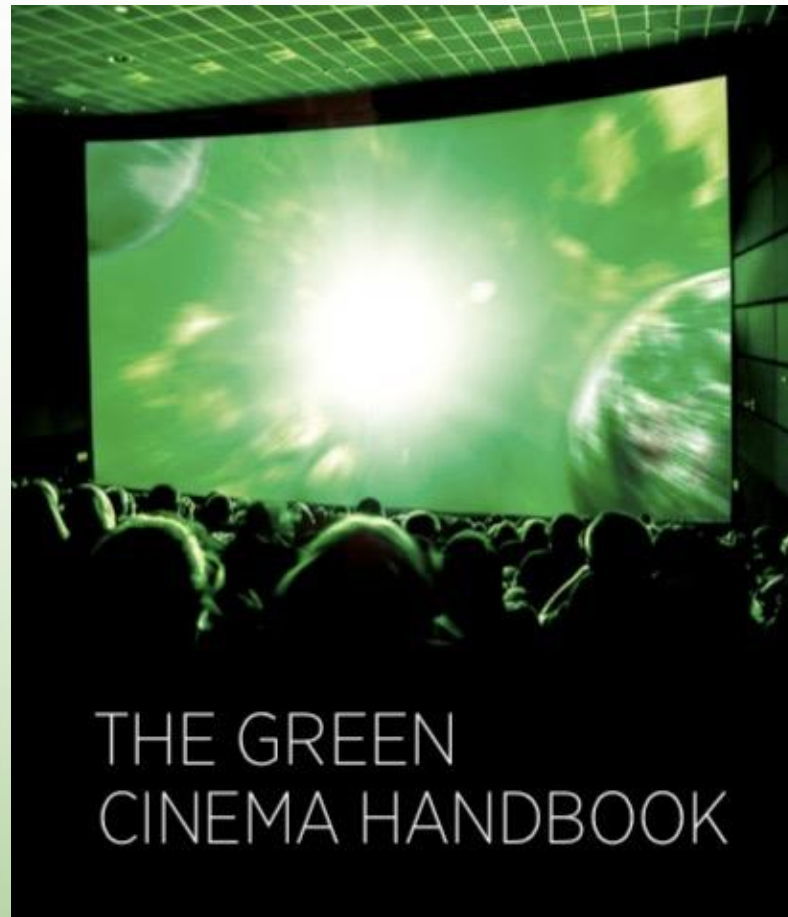
## Post production on set in a van





## Cinebus





## Energy Efficiency





## Ventilation system with heat recovery



## Renewables



## Solar power from the cinema roof





## Concession



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## Candies and chocolate without plastic package



## Waste management





## Coffee to go cup

- 68 % cardboard
- 29 % Polystyrol
- 3 % Polyethylen

Coating:  
0.5 g Polyethylen

Cover:  
3.5 g Polystyrol



## Communication with cinemagoers



**Thank you for your kind attention**

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