
CARBON FOOTPRINT
IZRADILI:
Ariana Posarić
Jurica Hrbud
3. PM

CARBON FOOTPRINT

- ugljični otisak
  - mjera je ukupne emisije stakleničkh plinova koju izravno ili neizravno uzrokuje neka osoba, proizvod, tvrtka ili događaj

VAŠ UGLJIČNI OTISAK

- http://ziemianarozdrozu.pl/apps/online/en/kalkulator.html#

KAKO RIJEŠITI UPITNIK?

CARNet
HRVATSKA AKADEMSKA I ISTRAŽIVAČKA MREŽA

moodle

Prijavi se kao gost

Prijavi se kao gost

Nakon prijave odaberite link u bloku *Popis svih kolegija* a potom željenu kategoriju i tečaj ili tečaj potražite upisom naslova u prozoru za pretraživanje.

Moodle podrška korisnicima

e-mail: moodle@carnet.hr

telefon: +385 1 6661 616
fax: +385 1 6661 615
pošta:
Hrvatska akademska i istraživačka mreža – CARNet
Moodle podrška korisnicima
Josipa Marohnića 5
10000 Zagreb

Korisni linkovi

CARNet
e.Tečajevi za primjenu u nastavi
E-learning akademija
Nacionalni portal za učenje "Nikola Tesla"
eLektire
Mahara

Dobrodošli na CARNetov sustav za online učenje!

Moodle je sustav temeljen na sustavu otvorenog koda, a namijenjen je izradi elektroničkih obrazovnih sadržaja te održavanju nastave na daljinu.

Svi članovi akademske i školske zajednice imaju pravo na potpuno besplatno korištenje i svu pomoć oko korištenja ovoga sustava. Sustavu se pristupa odabirom linka "Login" u gornjem desnom uglu ili iz bloka Login, uz korištenje elektroničkog identiteta u sustavu AAI@Edu.hr koji se korisnicima dodjeljuje na matičnoj ustanovi (školi, fakultetu, institutu).

U sustavu Moodle korisnici mogu **kreirati vlastiti online tečaj**. U tu je svrhu potrebno ispuniti "Zahtjev za izradom vlastitog tečaj" koji se nalazi u prvom bloku s desne strane. Pravo na otvaranje novog tečaja ima nastavno i drugo osoblje, zaposlenici na ustanovama članicama CARNeta. Otvaranje novog tečaja nije predviđeno za studente i učenike osim u iznimnim slučajevima i na preporuku mentora.

Osim toga, kroz sustav Moodle korisnicima su na raspolaganju i e.Tečajevi za primjenu u nastavi. Želite li gotove tečajeve iz programa CARNetovog edukacijskog centra o programiranju, web dizajnu, multimediji te korištenju interneta implementirati u svoju nastavu, ispunite obrazac " Izraberi e.Tečaj s gotovim sadržajem".

Važna obavijest

Prateći tehnološke promjene, a s ciljem unapređenja usluge, CARNet svojim korisnicima uz postojeći sustav za online učenje Moodle 1.9, od početka studenog nudi i novi sustav Loomen koji se temelji na verziji Moodle 2.3, a dostupan je na adresi https://loomen.carnet.hr/. Sustav Moodle 1.9 bit će dostupan do 31. srpnja 2013. godine, kada se u potpunosti prelazi na korištenje sustava Loomen. Više

Moji kolegiji

Kreativnošću i kulturom protiv CO2 otiska
Teacher: Ivan [redacted]

Kliknite za pristup kolegiju

https://moodle.carnet.hr/course/view.php?id=2488

Poruke

Ivan Miškulin 1
Poruke...

Otvaranje novih tečajeva

Zahtjev za izradu vlastitog tečaja
Izaberi e.Tečaj s gotovim sadržajem

Moodle priručnici

Moodle priručnik autorice Ivane Bosnić.

Tečajevi za samostalno učenje:
- Izrada online tečaja pomoću Moodle-a
- Igre u Moodle-u
- Korištenje Jinga u nastavi

Popis svih kolegija

Popis svih kolegija u sustavu

Blog o e-obrazovanju

Znanstveni edukativno-zabavni centar (ZEZ)
Tjedan otvorenog obrazovanja
Natjecanje Google Science Fair 2013

CARNet
HRVATSKA AKADEMSKA I ISTRAŽIVAČKA MREŽA

moodle

Korisnici
Sudionici

Aktivnosti
Forumi
Resursi
Upitnici

Pretraži forume
Kreni
Napredno pretraživanje

Administracija
Ocjene
Profil

Moji kolegiji
1 razred vjeronauk
KEMIJA 3 za gimnazije
Kreativnošću i kulturom protiv CO2 otiska
Svi kolegiji ...

Forum s vijestima

1

KALKULATOR CO2 otiska

1. upitnik možete riješiti zajedno sa svojom obitelji
2. posebno obratite pozornost na sugestije/objašnjenja unutar samog kalkulatora tijekom rješavanja upitnika
3. vrijedno je da zapišete i svoja zapažanja /komentare
4. obratite i pozornost na završne tekstove mogućnosti smanjenja emisije (u postocima) kod područja **industrijska i poljoprivredna efikasnost** i **promet** (*improvement of the industrial and agricultural efficiency* i *reduction of emission from the road transport*)
5. važno je da nas rezultati emisije CO2 po tonama godišnje ne **prestraše** (prosječno su puno veći su od prosjeka za cijeli svijet) ili učine **ponosnima** (emisija je manja od prosjeka SAD-a), već da vidimo što utječe pozitivno na smanjenje otiska i kako možemo biti odgovorniji prema našem jedinom zajedničkom domu – Zemlji
6. rezultate ćemo usporediti i analizirati i te pomoću njih, kao i vaših komentara, pokušati osmisliti projektne zadatke

NE ZABORAVITE IZABRATI zemlju CROATIA i regiju INLANDS LOWLANDS.

Nemojte zatvoriti prozor s rješenjima na kraju kalkulatora jer ćete ih trebati upisati u naš upitnik na ovoj stranici.

KALKULATOR ziemianarozdrozu.pl
UPITNIK

Najsvježije vijesti
Dodajte novu temu...
(No news has been posted yet)

Buduća događanja
Nema predstojećih događaja
Prikaži kalendar...
Novi događaj...

Nedavna aktivnost
Aktivnost od Tuesday, 26 March 2013, 12:11
Potpuni izvještaj o nedavnoj aktivnosti...

Course updates:

Upitnik dodan:
UPITNIK

Resurs dodan:
KALKULATOR
ziemianarozdrozu.pl

Resurs dodan:
OFFSETING

CO_2 Emissions Calculator

Within a year people emit 35 billion of carbon dioxide to the atmosphere. These are abstract and unimaginable quantities. Therefore, let's try putting it another way:

Look outside the window. Imagine a cube standing far away with a bit over a kilometre. Big, isn't it? This is the size our power plants, cars and factories double the natural concentration of carbon dioxide every second. Imagine that every second we put such a cube on the equator, one beside the other one. Within one single day we will brick in the Earth with them over twice. And so it will happen for decades, faster and faster.

Every one of us participates in emissions of carbon dioxide – gas causing climate change.

Sitting in a warm room, having a bath, travelling by car, train, doing the shopping – we use fossil fuels energy and contribute to carbon dioxide emission.

Calculator of individual emissions will count how your lifestyle translates into your carbon footprint. Not only from transport or flat but also considering consumption of industrial goods, food and all the other spheres of life.

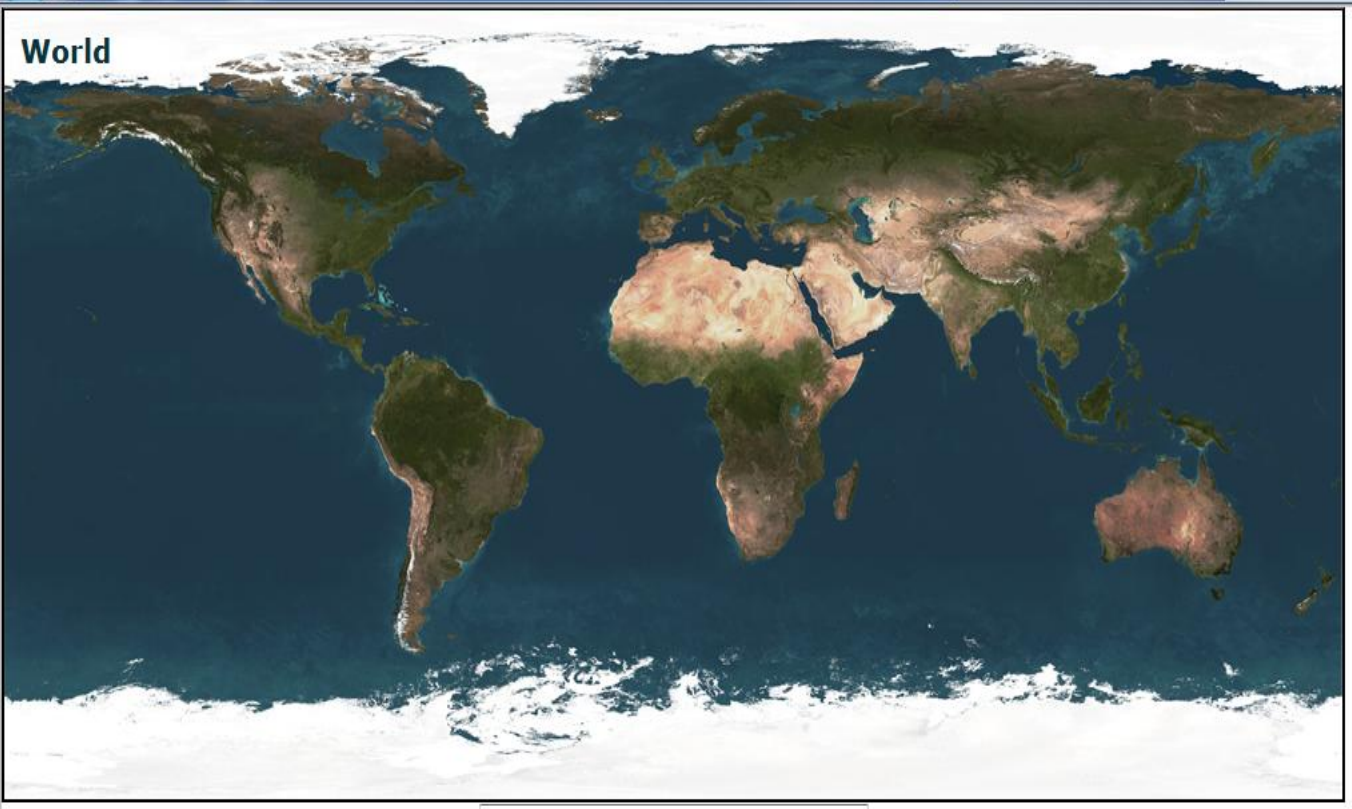
How does it relate the average in your country, to the lifestyle of an average American or Hindu? Is you emission level safe for the Earth or maybe your carbon footprint looks like the trace of Godzilla?

Calculator will also help to indicate which changes may give the best results.

And if you draw a conclusion that your lifestyle is still too energy-consuming, the calculator will enable you to check what your impact of the planet would be if you lived the way you live given other sources of energy, changes in industry and transport.

Now select option "Start".

START



Find

Country

Croatia
Czech Republic
Denmark

Region **Inland lowlands**

Select >>

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Building

Building type: Multi-family ? | Build of: Concrete ? | Thermal insulation: Medium ? | Area [m2]: 100 ? | No of people: 3 ?

Heating

Home heated in winter at temperature [°C]: Average: 21 C ? | Heat source: Central heating – combined heat and power ? | % from renewables [heat pump, sola collector, biomass]: 0 ?

Ventilation: Typical ?

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

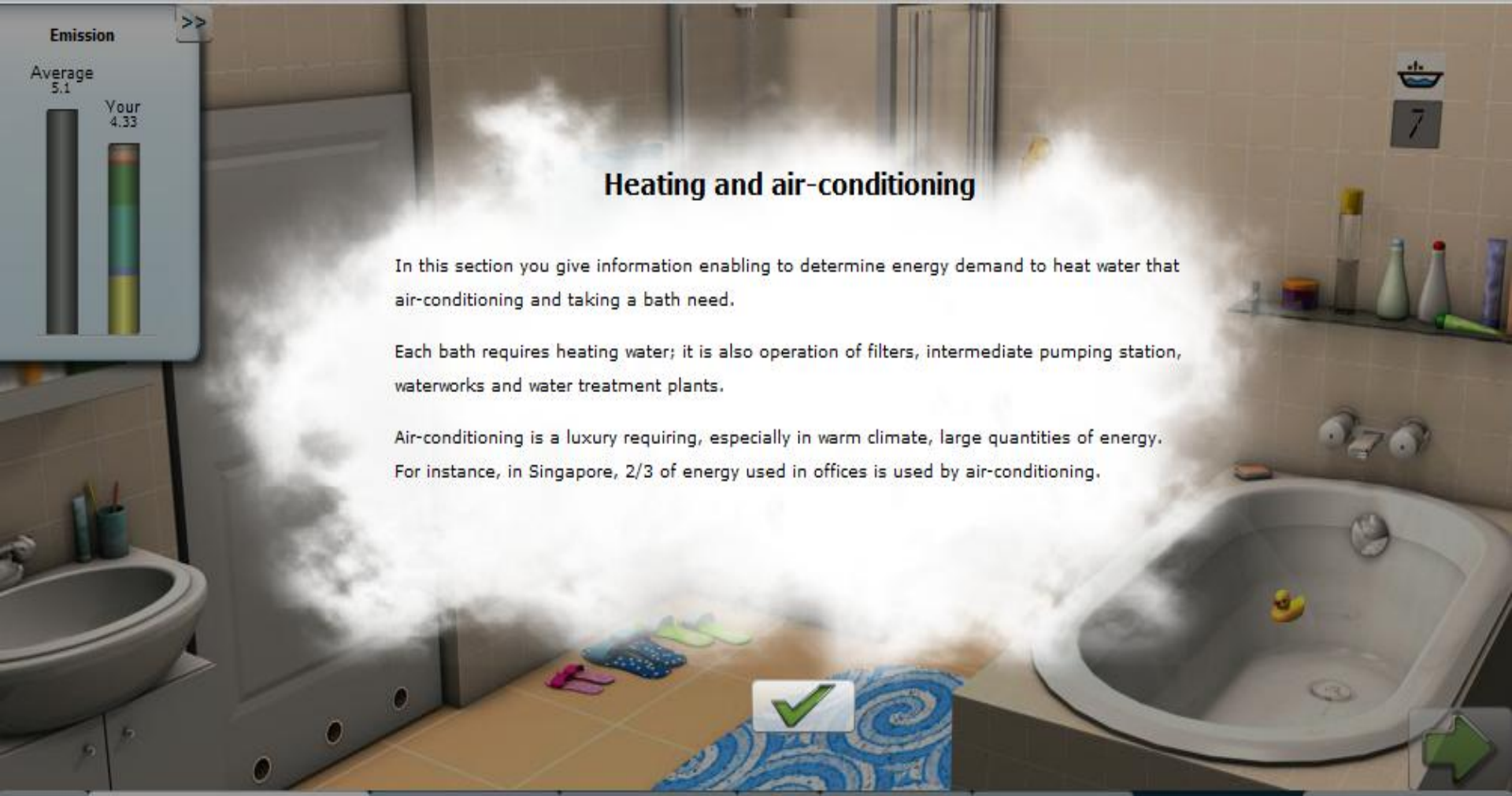
Building

Building type	Build of	Thermal insulation	Area [m2]	No of people
Single-family detached	Brick	Medium	200	6

Heating

Home heated in winter at temperature [°C]	Heat source	% from renewables [heat pump, sola collector, biomass]
Low: 19 C	Central heating – combined heat and power	0

Ventilation: Typical



Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Baths

	Weekly	Quantity of water poured into bath	Heating source
Number of baths	7	200 litres	Central heating – combined heat and powe
Number of showers	0		

Air-conditioning

☐

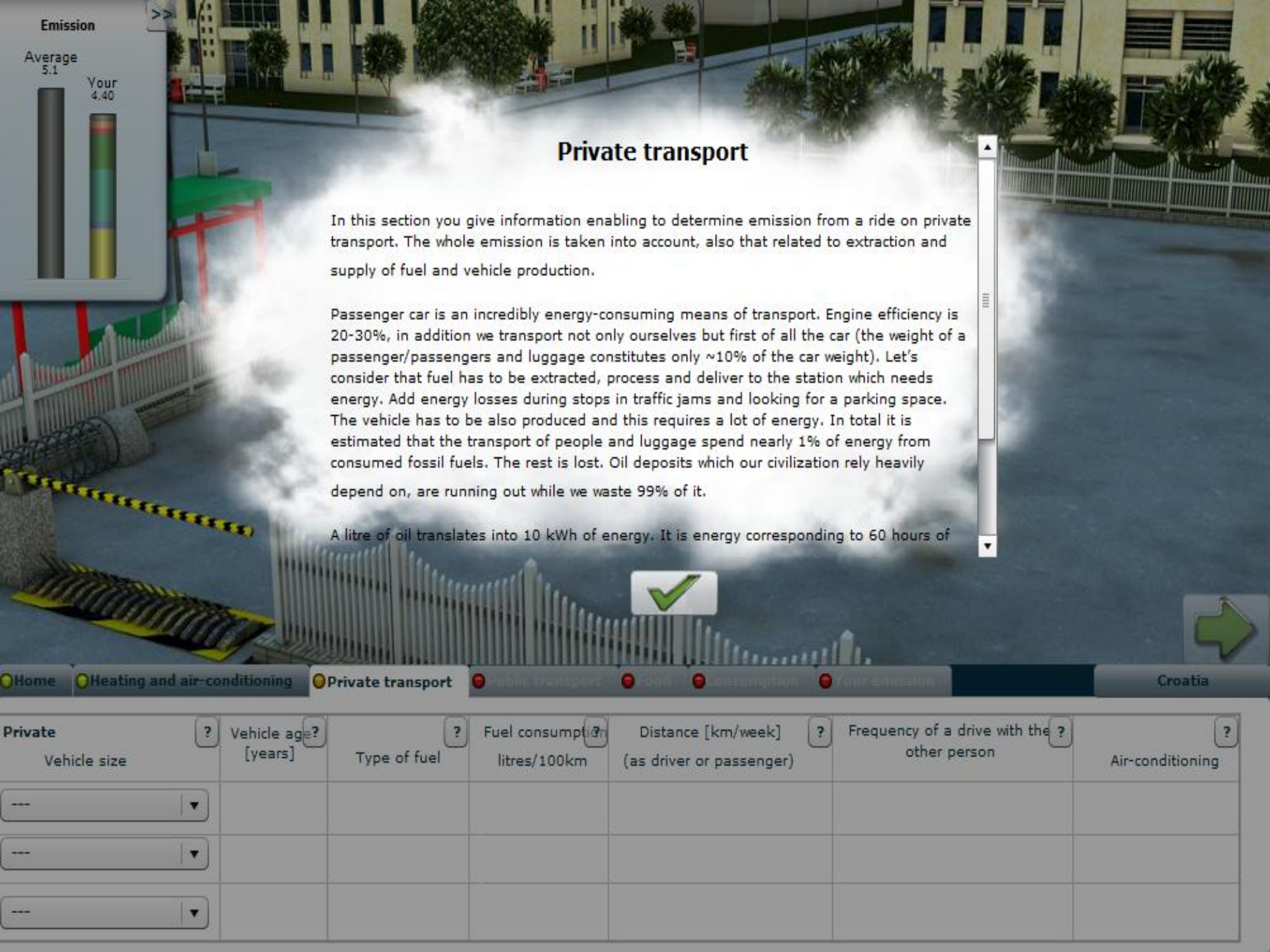
Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Baths

	Weekly	Quantity of water poured into bath	Heating source
Number of baths	6 ?	200 litres ?	Central heating – combined heat and powe ?
Number of showers	21 ?		

Air-conditioning

☐



Private transport

In this section you give information enabling to determine emission from a ride on private transport. The whole emission is taken into account, also that related to extraction and supply of fuel and vehicle production.

Passenger car is an incredibly energy-consuming means of transport. Engine efficiency is 20-30%, in addition we transport not only ourselves but first of all the car (the weight of a passenger/passengers and luggage constitutes only ~10% of the car weight). Let's consider that fuel has to be extracted, process and deliver to the station which needs energy. Add energy losses during stops in traffic jams and looking for a parking space. The vehicle has to be also produced and this requires a lot of energy. In total it is estimated that the transport of people and luggage spend nearly 1% of energy from consumed fossil fuels. The rest is lost. Oil deposits which our civilization rely heavily depend on, are running out while we waste 99% of it.

A litre of oil translates into 10 kWh of energy. It is energy corresponding to 60 hours of

Private Vehicle size	Vehicle age [years]	Type of fuel	Fuel consumption litres/100km	Distance [km/week] (as driver or passenger)	Frequency of a drive with the other person	Air-conditioning
---						

Private Vehicle size	Vehicle age [years]	Type of fuel	Fuel consumption litres/100km	Distance [km/week] (as driver or passenger)	Frequency of a drive with the other person	Air-conditioning
Medium	0-15	Petrol	8	200	Hardly ever	☑
Small engine capacity	0-15	Petrol	6	60	Sometimes (50%)	☑
Bicycle	0-15					

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Public

Distance weekly

City bus	0 [km/week] ?	Minibus	0 [km/week] ?	Taxi	0 [km/week] ?
Long-distance bus	0 [km/week] ?	Tram/underground	0 [km/week] ?	Commuter train	0 [km/week] ?
				Long-distance train	0 [km/week] ?

Air transport

Class: Economy ?

Short-distance flights (to 2,000km)	0	[hours a year] ?
Long-distance flights (over 2,000km)	0	[hours a year] ?

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Public — Distance weekly

City bus	0	[km/week]	Minibus	0	[km/week]	Taxi	0	[km/week]
Long-distance bus	0	[km/week]	Tram/underground	0	[km/week]	Commuter train	55	[km/week]
						Long-distance train	0	[km/week]

Air transport

Class: Economy

Short-distance flights (to 2,000km)	0	[hours a year]
Long-distance flights (over 2,000km)	0	[hours a year]

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Food

Quantity of food	**Average**	?
The place of food origin	**While buying I do not pay attention to the country of origin or seasonal nature**	?
Frequency of meat consumption	**1-2 times a week**	?
Frozen food	**Once a week**	?
Refrigerator	**High efficiency (A class)**	?

- [ ] freezer detached
- [x] Washing machine

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Food

Quantity of food	**Rather a lot** ?
The place of food origin	**While buying I do not pay attention to the country of origin or seasonal nature** ?
Frequency of meat consumption	**Every day** ?
Frozen food	**Every day** ?
Refrigerator	**High efficiency (A class)** ?

- [x] freezer detached
- [ ] Washing machine

Home | Heating and air-conditioning | Private transport | Public transport | Food | Consumption | Your emission | Croatia

Consumption

Expenditure	Average income (country)	Recycling	Part of rubbish goes for recycling	
Clothes	I buy new when old clothes are worn-out			
Packaging	I do not any particular attention to it			
Furniture and electronic	I usually buy new but I use them for a long time			
Recreation	I like spending time in cinemas and restaurants/cafes the most			
Electricity	On average – I try not to waste current	% of energy from renewable sources	0	

- [x] Electrical lighting
- [ ] Clothes dryer
- [x] TV
- [x] Video/DVD
- [x] cable or satellite television
- [x] Computer
- [x] Radio, Hi-fi set

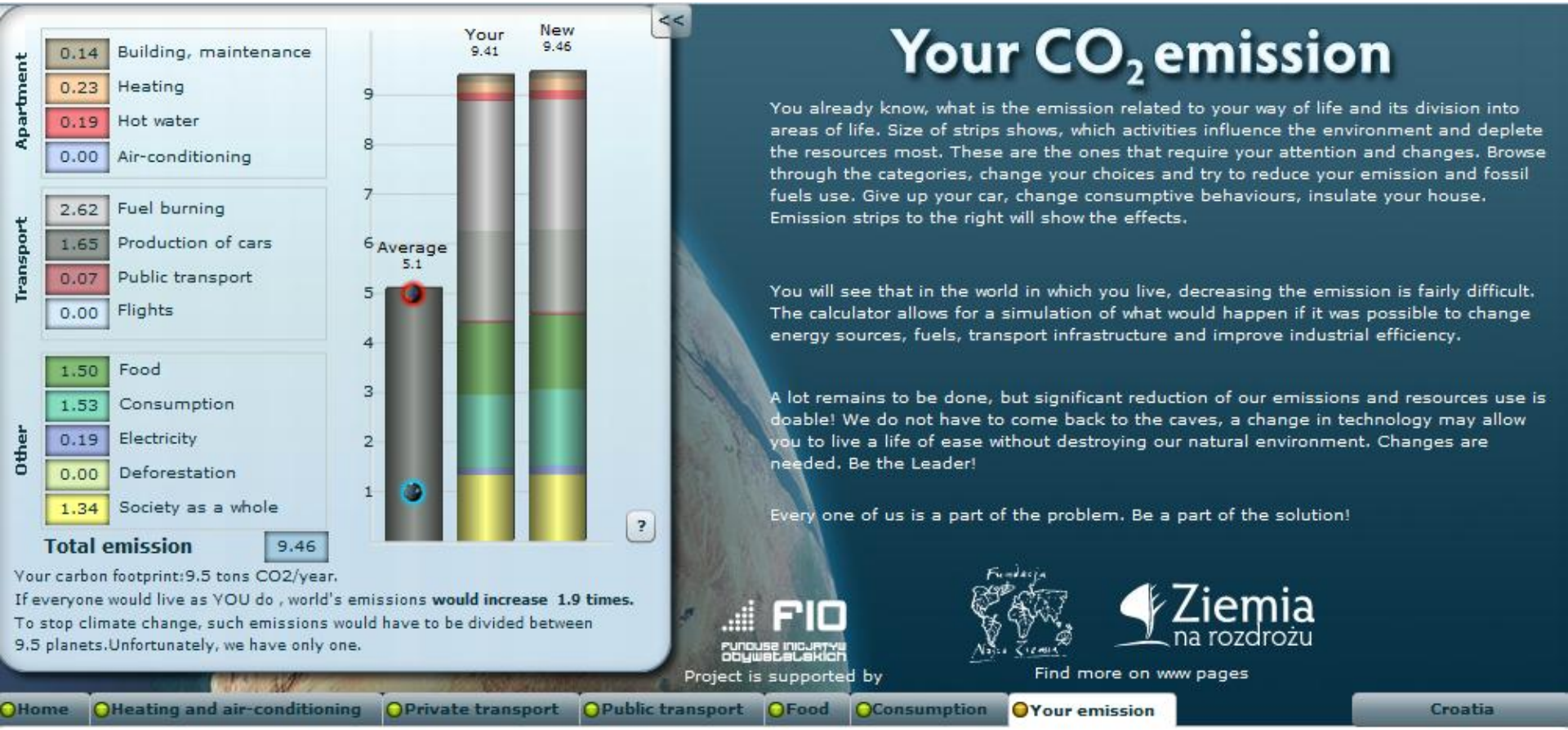
Consumption

Expenditure	**Average income (country)**	Recycling	**A lot of rubbish goes for recycling**	?
Clothes	**I buy new modern clothes regularly**			?
Packaging	**I do not any particular attention to it**			?
Furniture and electronic	**I usually buy new but I use them for a long time**			?
Recreation	**I like spending time in cinemas and restaurants/cafes the most**			?
Electricity	**On average – I try not to waste current**	% of energy from renewable sources	0	?

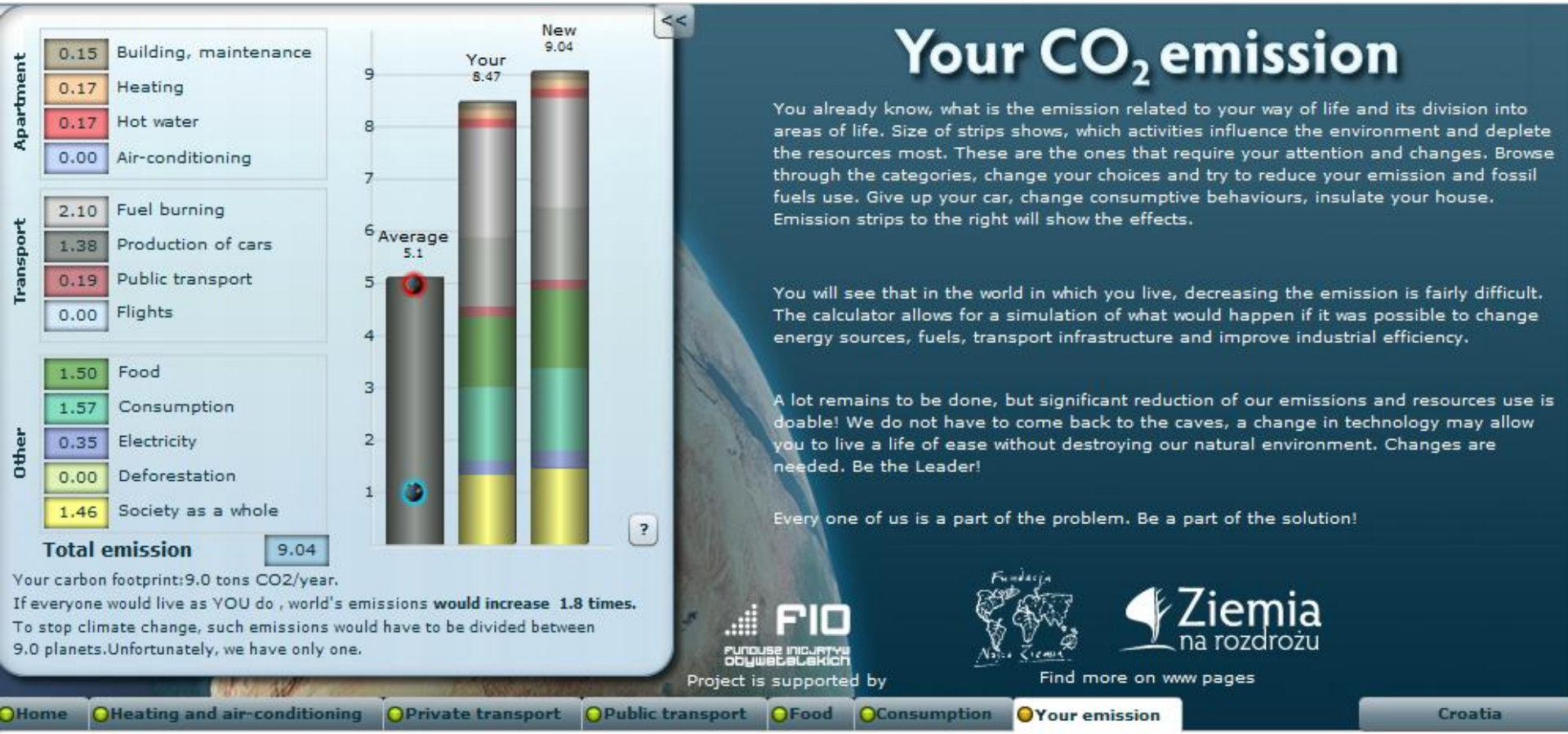
- [x] Electrical lighting
- [ ] Clothes dryer
- [x] TV
- [x] Video/DVD
- [ ] cable or satellite television
- [x] Computer
- [x] Radio, Hi-fi set

?

Ariana


Apartment
0.14 Building, maintenance
0.23 Heating
0.19 Hot water
0.00 Air-conditioning
Transport
2.62 Fuel burning
1.65 Production of cars
0.07 Public transport
0.00 Flights
Other
1.50 Food
1.53 Consumption
0.19 Electricity
0.00 Deforestation
1.34 Society as a whole
Total emission 9.46
Your carbon footprint:9.5 tons CO2/year.
If everyone would live as YOU do , world's emissions would increase 1.9 times.
To stop climate change, such emissions would have to be divided between 9.5 planets.Unfortunately, we have only one.
Your 9.41
New 9.46
Average 5.1
Your CO2 emission
You already know, what is the emission related to your way of life and its division into areas of life. Size of strips shows, which activities influence the environment and deplete the resources most. These are the ones that require your attention and changes. Browse through the categories, change your choices and try to reduce your emission and fossil fuels use. Give up your car, change consumptive behaviours, insulate your house. Emission strips to the right will show the effects.
You will see that in the world in which you live, decreasing the emission is fairly difficult. The calculator allows for a simulation of what would happen if it was possible to change energy sources, fuels, transport infrastructure and improve industrial efficiency.
A lot remains to be done, but significant reduction of our emissions and resources use is doable! We do not have to come back to the caves, a change in technology may allow you to live a life of ease without destroying our natural environment. Changes are needed. Be the Leader!
Every one of us is a part of the problem. Be a part of the solution!
FIO
Project is supported by
Ziemia na rozdrożu
Find more on www pages
Home
Heating and air-conditioning
Private transport
Public transport
Food
Consumption
Your emission
Croatia
Energy production
simulation of 100% of energy from gas burning (also, most of biofue
Improvement of the industrial and agricultural efficiency
20% (rapidly achievable in a simple way)
Reduction of emission from the road transport
0% (present state)

Jurica



Energy production: simulation of 100% of energy from gas burning (also, most of biofue

Improvement of the industrial and agricultural efficiency: 0% (present state)

Reduction of emission from the road transport: 0% (present state)

UPITNIK CO2

*1 Building, maintenance (**dom, održavanje**)

*2 Heating (**grijanje**)

*3 Hot water (**grijana voda**)

*4 Air – conditioning (**klima uređaji**)

*5 Fuel burning (**gorivo**)

*6 Production of cars (**automobil**)

*14 Ukupno **co2/tona/godišnje**

9.04

*15 **KATEGORIJA VAŠ DOM**

Što ste primijetili? O čemu bi se moglo raspravljati? Jeste li komentirali neke „?“ savjete/informacije u anketi?

Trebuchet | 3 (12 pt) | Normal | Lang

ništa

Putanja: body

*16 **KATEGORIJA GRIJANJE I KLIMA**

Što ste primijetili? O čemu bi se moglo raspravljati? Jeste li komentirali neke „?“ savjete/informacije u anketi?

Trebuchet | 3 (12 pt) | Normal | Lang

ništa

Putanja: body

HOW LARGE IS YOUR CARBON FOOTPRINT?