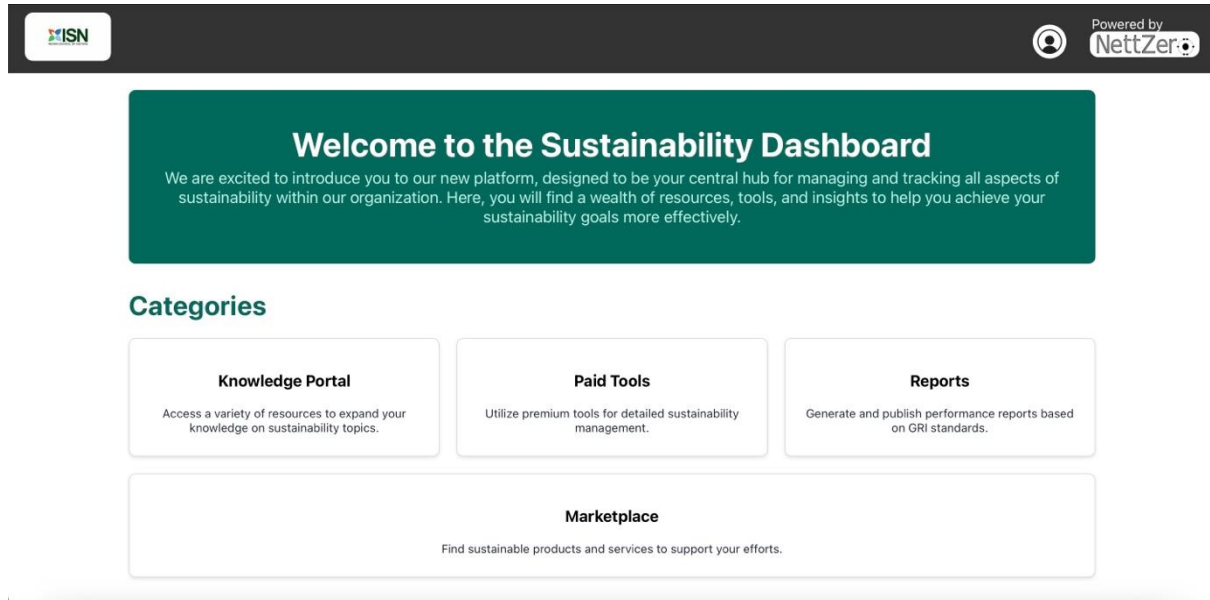


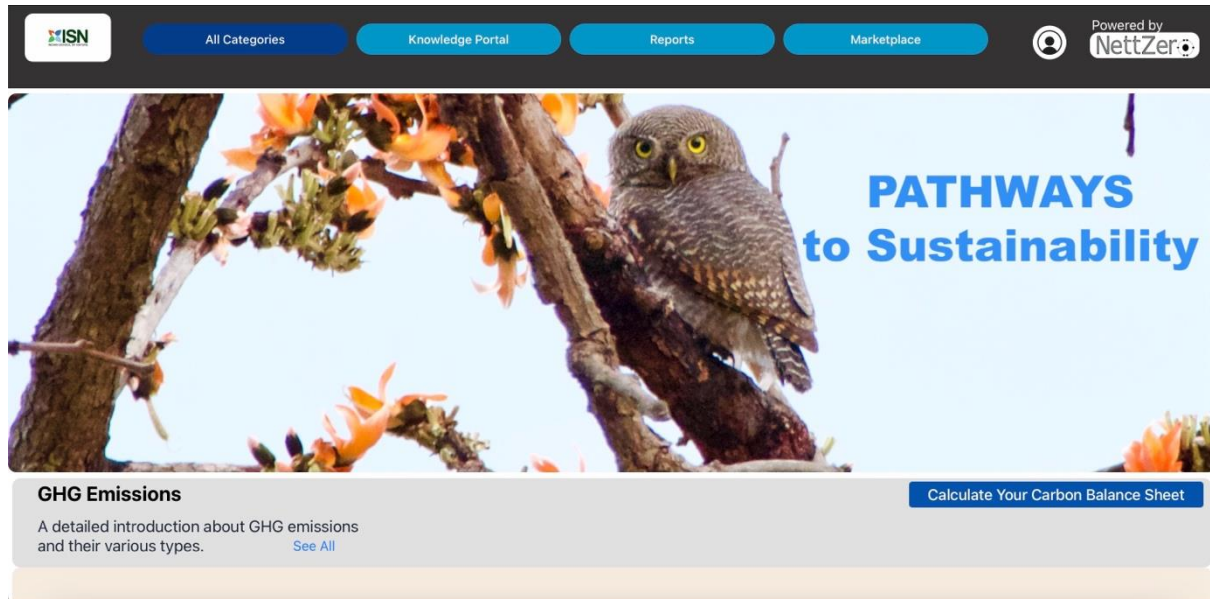
## PATHWAYS TO SUSTAINABILITY MEASUREMENT TOOLKITS - 1

<https://travelsustainable.isn.foundation/esg>

You will need to Register in order to access the portal



Click on "Knowledge Portal":



Click on "Calculate your carbon Balance Sheet"

It will open to this page:



## Copy document

Would you like to make a copy of **CARBON BALANCE SHEET**?

[Make a copy](#)



Click on 'Make a copy' and it will open to the excel sheet with all the formulae already entered. The numbers that populate this sheet are from the Chambal Safari Lodge self-measurement exercise.

	QUANTUM	UNIT	ROOM NIGHTS
NETT CARBON SEQUESTRATION	76.28	tCO2e y 1	1200
NETT CARBON EMISSIONS	64.8353		
NETT CARBON FOOT PRINT	11.4447		NEGATIVE
NETT CARBON FOOTPRINT PER ROOM NI	9.54	kgCO2e	NEGATIVE

tCO2e y 1 - Tonnes of Carbon dioxide equivalent over 1 year  
kgCO2e - Kilogrammes of Carbon dioxide equivalent

You can click on the Tabs at the bottom opening different sheets and start playing with the numbers. You will see that as you change the numbers the output numbers also change.

The numbers you need to calculate 'emissions' will be available from your own accounts and balance sheets. Please input those into the excel sheet copy that you have opened. As an example, below is the sheet to calculate emissions from Grid Power:

Copy of CARBON BALANCE SHEET

File Edit View Insert Format Data Tools Extensions Help

100% 123 Default 11 B I A

A1

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R

These numbers are for Chambal Safari Lodge. Below is the same sheet with numbers from my house in Pataur Village (12 months):

Copy of CARBON BALANCE SHEET

File Edit View Insert Format Data Tools Extensions Help

100% Times 14 B I A

E7

=ROUND(B7/D7,0)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
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2																	
3																	
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RATION

CARBON EMISSION

GENSET

SAFARI & OTHER VEHICLES

LPG

COAL

CAMPFIRE WOOD

GRID POWER

<

>

>

I am of course using the average cost for domestic connection. But when I change these numbers, it also gets reflected in the Carbon emissions sheet. And if it doesn't you can input the number manually as below:

Copy of CARBON BALANCE SHEET

File Edit View Insert Format Data Tools Extensions Help

100% 123 Default...

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
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Carbon Emissions

Particulars	Qty.	Unit
SCOPE - 1		
Electric consumption – Genset	0	Ton
Safari & other vehicles	2.07	Ton
Cooking gas – LPG	0.02	Ton
Coal	0	Ton
Camp firewood	0.055	Ton
Scope - 2		
Electric consumption – Grid	5	Ton
Total Carbon Produced	7.145	Ton

Carbon Emission

GENSET SAFARI & OTHER VEHICLES LPG COAL CAMPFIRE WOOD GRID POWER

Please see the next document for carbon sequestration calculations and overall Carbon emission balance sheet.