## Instructions for using the Solar radiation GIS tool

- 1. Access the EC Solar Radiation Tool at the following link: <u>https://re.jrc.ec.europa.eu/pvg\_tools/en/#MR</u>
- 2. Type your address/location in the address bar

a 2000 km	0 /	_		Zimbaby Namibia Botswana	we Mac	lagascar	Mauri
Address:	Trier, Germany	Go!	Lat/Lon:	Eg. 45.815	Eq. 8.611	Go!	

3. Select the monthly data tab. Under monthly irradiation data, you can select a 12 month period to get solar radiation data. Check the Global Horizontal irradiation box. Select visualise results or download directly to CSV.file

Selected:	49.757, 6.636	Calculated horizon	± csv ± js	on
sevation (m):	138	_jupicad nonzon me	Browse No file sele	cted.
GRID CONNECTED	i 📅 м	ONTHLY IRRADIATION D	ATA	0
TRACKING PV	Solar radia	tion database	PVGIS-SARAH	~
OFF-GRID	Start year:	2016 ¥	End year:"	2016 🗸
	Irradiation	1		
MONTHLY DATA	Global	horizontal irradiation	Se	lect date
DALY DATA	Direct Global	Normal Irradiation		
HOURLY DATA	Global	irradiation at angle:	(0-90)	
	Ratio:			
TMY	Diffuse	e/global ratio		
	Temperate	ure:		
	Average	ge temperature		
		View d	ata 🗸 🛛	Download
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		<b>K</b>	×	~

## Sample CV.file data



4. Create a table that looks like this and copy the the values from the csv.file into it.

	Monthly kWh/m <sup>2</sup> (CSV data)	Monthly kWh/m <sup>2</sup> (School Utility Bill)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

## Activity 9.2 Sample Table

Month	Solar radiation data (kWh/m <sup>2</sup> )	Utility bill data (kWh)	Commercial Solar panel max output (W) @ 15-20% efficiency
January			
February			
March			
April			
Мау			
June			
July			
August			
September			
October			
November			
December			