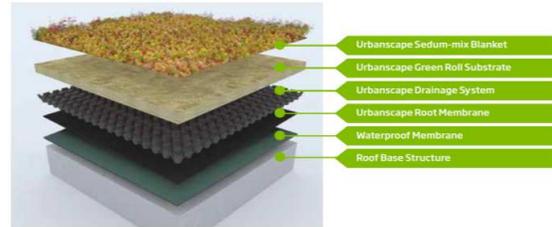


## Roof construction

**Composition:** Aluminium sheet ; d = 0,4 cm  
 XPS , d > 80 mm ; d = 8 cm  
 Aluminium sheet ; d = 0,4 cm  
 #N/A  
**U = 0,445 W/m<sup>2</sup>K**  
 roof colour: dark ;  $\alpha_s = 0,7$

## URBANSCAPE

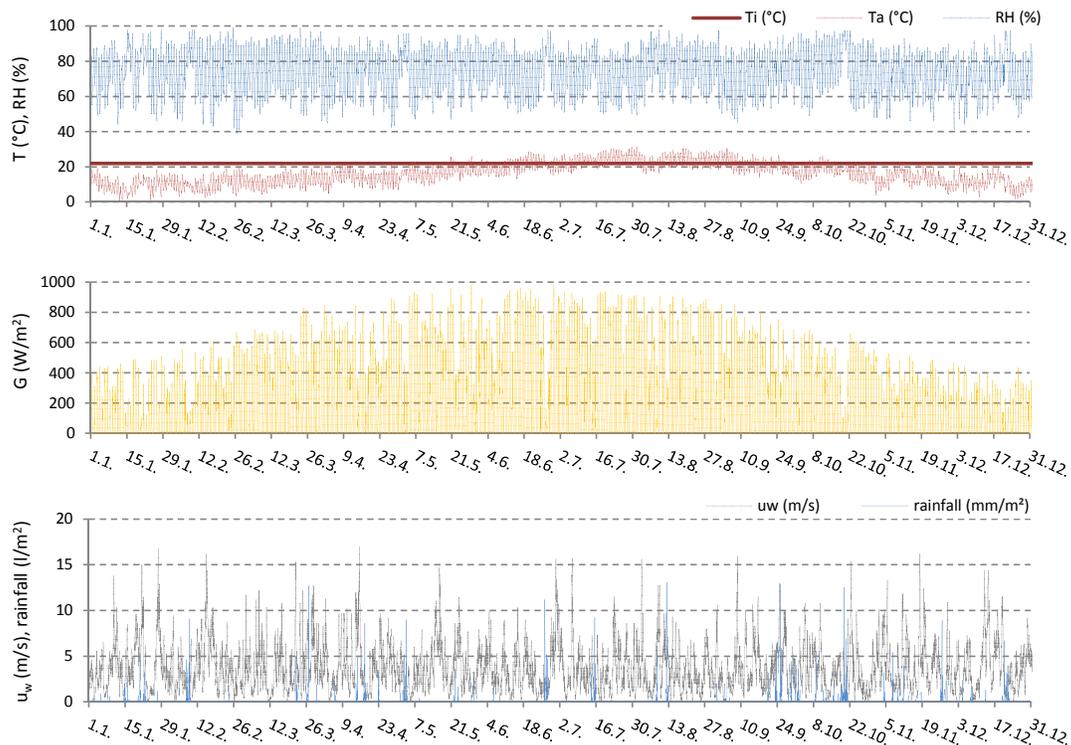
**Composition:** Sedum-mix blanket  
 no additional soil layer  
 GreenRoll 4 cm  
 Drainage system without buffer  
 Thickness: 7 cm (without Sedum-mix plants height)  
**Max.water content:** 37 l/m<sup>2</sup>  
 Irrigation: YES



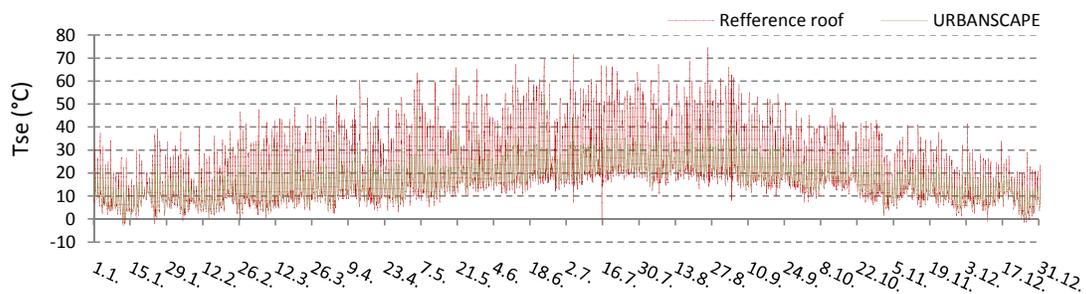
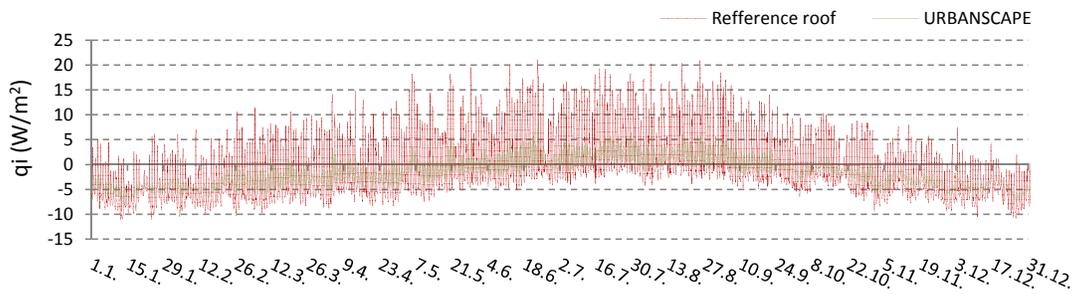
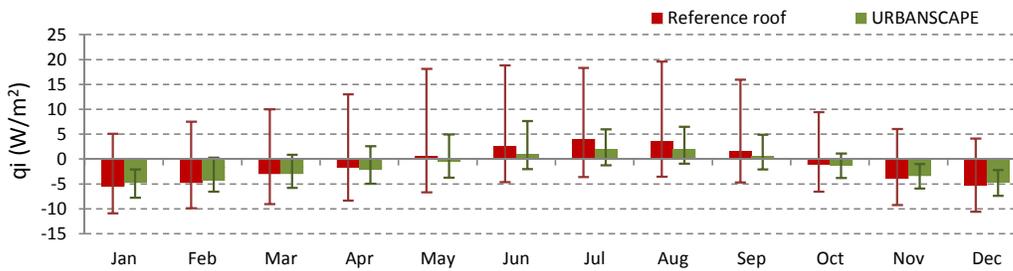
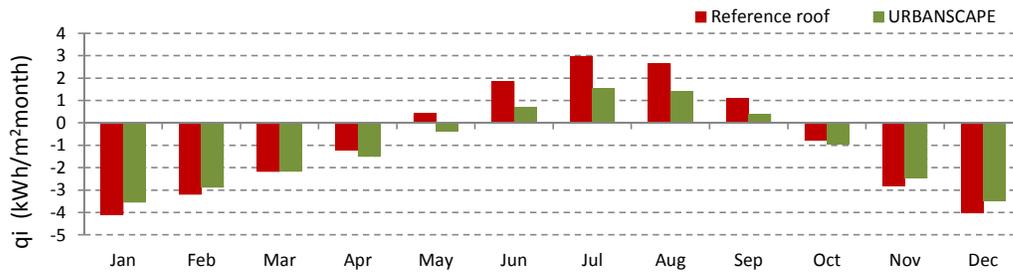
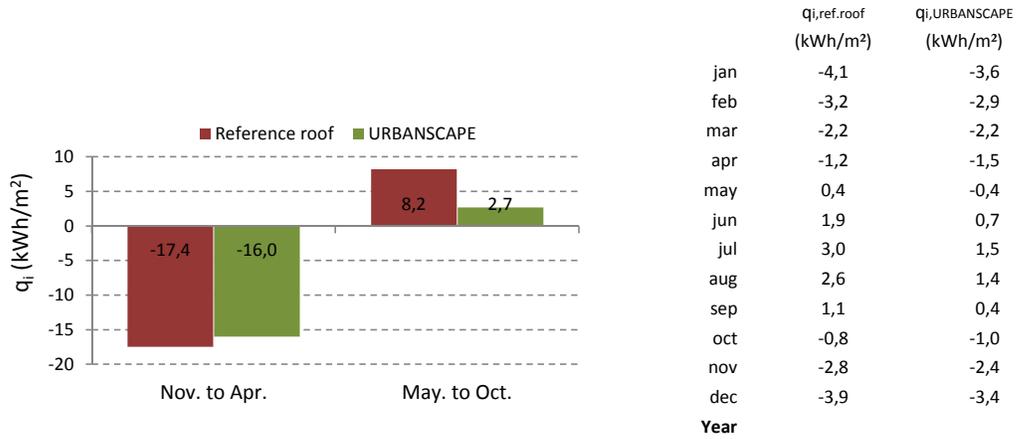
## Meteo data

**Location:** Barcelona, E

	Ta (°C)	RH (%)	H (kWh/m <sup>2</sup> d)	rainfall (l/m <sup>2</sup> m)
jan	9,7	73	1,7	38
feb	10,4	72	2,5	41
mar	12,1	74	3,8	47
apr	13,8	71	4,7	48
may	17,4	74	5,4	54
jun	20,7	73	6,2	44
jul	24,2	70	6,4	30
aug	23,8	76	5,6	50
sep	21,3	71	4,5	69
oct	17,7	76	3,0	96
nov	13,1	70	2,0	61
dec	10,7	70	1,6	46
<b>Year</b>	<b>16,3</b>	<b>73</b>	<b>1443 kWh/m<sup>2</sup>y</b>	<b>624 l/m<sup>2</sup>y</b>



Results - energy



Results - water

