





A mini-bioblitz was held in a meadow close to the Škocjan Caves on the 20th of May 2023. Participants were 49, mostly high school and undergraduate university students. The activity started in the morning, when the weather was cloudy, a little windy and temperature was around 19°C. It continued in the afternoon, with better weather conditions and 22°C mean temperature.





Four field recording sheets were returned for the first activity.





Activity 2 – Entomological activity



Five sheets were returned for the second activity. Two groups observed the floral visitors on *Trifolium incarnatum*, recording 17 wild bees, 6 by bee flies, 1 by beetle and 1 by butterfly, within two 15' observation intervals (30' observation time). One group observed the insect visitors of *Ajuga reptans*, recording a beetle visiting 10 flowers, an *Osmia* visiting 10 flowers and an *Anthophora* visiting 12 flowers. Another group recorded the insect visits on *Ranunculus bulbosus* : 3 visits of a wild bee and three 1-flower visits by three different hover flies. The fifth group recorded floral visitors behaviour on *Salvia pratensis*: one bee visited 4 flowers, another bee visited 6 flowers, a third bee visited 18 flowers, a hover fly visited 3 flowers.





Activity 3 – Pollination activity

LIFE 4		Group: Entomologists			Which monitoring method did you choose?				Plot 1x1 Transect 1x50					
POLLINATORS	School:		Grade:	14 14										
	Role	Name		* *				Inse	ect guilds				No 1	
Pollinators belong to various guilds. In this	Observer I			Flowers	How many flowers do you see in the area?	*	*	*	-	**	À		Check bex bel	
activity, observe a plot/pot of your chosen	Observer II													
plant species and record the pollinators. How many can you identify?	Form filler													
	Photographe	er		Write the morphological group of each flower in	(many - few - rare)	Bee	/ \ Wasp	Hoverfly	Bee-fly	Butterfly	Moth	Beetle	visit	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\sim\sim\sim$	$\sim\sim\sim$	$\sim\sim\sim\sim$	your monitoring area		Dee	Trusp	noremy	Decity		Pietri			
DATE, TIME & LOCATION	1	WEATHER CO	NDITIONS											
Date:			Temperature										ſ	
Start time: End time:	<b>i</b>												Ľ	
Place (postcode or lat/long):		heck your mobile and fill heasurement (o C)											ſ	
Location:	$\bigcirc$												C C	
			Cloud cover										U	
HABITAT	- <b></b>	bserve the sky and write own the cloud cover (few											ſ	
O scrubs O grassland		louds, light cloud cover, any clouds, heavy overca:	st						<u> </u>				2	
O agroecosystem O forest														
O gardens, parks & urban areas		letermine wind speed by	Wind										6	
		observation (calm, light breeze, moderate breeze, strong	eze,											

For the third activity, focused on plant-pollinator interactions, 22 field-sheets were returned; 3 of them had to be considered invalid. The most common insects observed on flowers were bees. All the pollinator groups were spotted, the least observed group was that of wasps. A total of 103 recordings of bees, 22 of bee flies, 68 of beetles, 15 of butterflies, 28 of hover flies, 5 of moths, and 4 of wasps have been observed (Figure 1). Overall 245 plant-pollinator interactions were recorded. The total time of observation was 15' for 19 transects.

Plants belonging to 9 families were identified within transects: Ranunculaceae, Euphorbiaceae, Fabaceae, Asteraceae, Lamiaceae, Rosaceae, Polygalaceae, Apiaceae, Caprifoliaceae (Figure 2). Most flower visits were registered on legume species (Fabaceae).







Figure 1. Pollinators seen during the third activity



Figure 2. Total number of insect visits recorded on the flowered plants within all transects







Figure 3. Plant taxa visited by bees during the third activity



Figure 4. Plant taxa visited by wasps during the third activity



Figure 5. Plant taxa visited by beetles during the third activity







Figure 6. Plant taxa visited by hover flies during the third activity



Figure 7. Plant taxa visited by bee flies during the third activity



Figure 8. Plant taxa visited by butterflies during the third activity







Figure 9. Network of plant-pollinator interactions recorded during the pollination activity





Bumble bee (Bombus sp.) feeding nectar on clover blossom (Trifolium incarnatum L.)







Two beetles (*Tropinota hirta* and *Oxythirea funesta*) on the flower head of the plant species *Gelasia villosa* (Scop.) Cass.