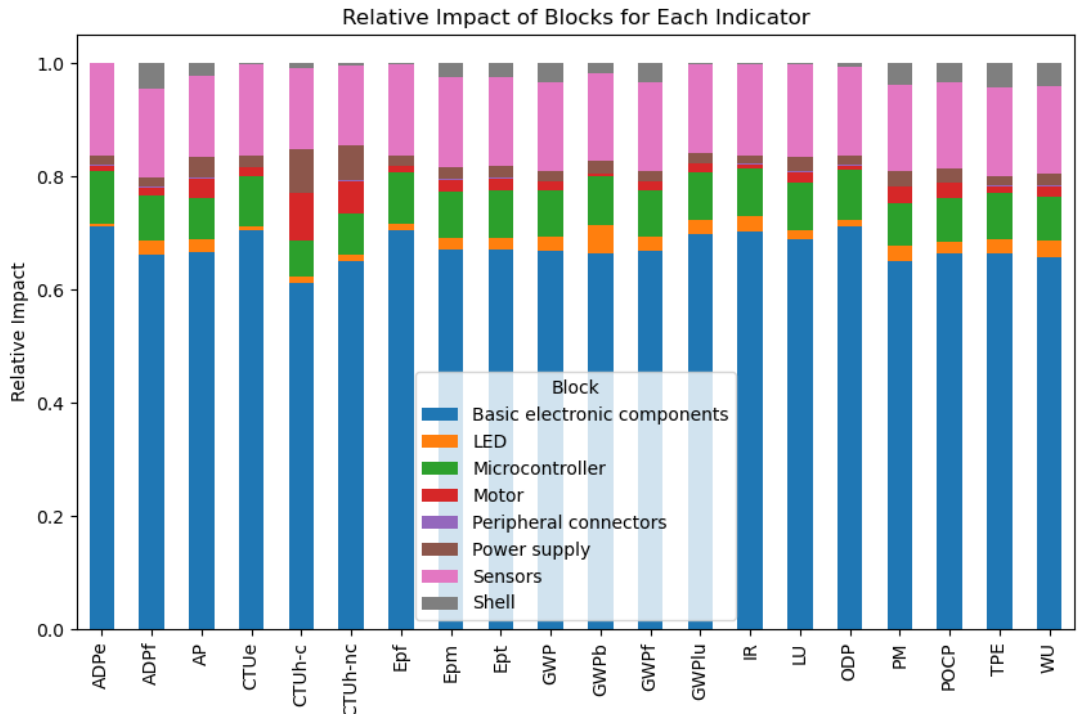
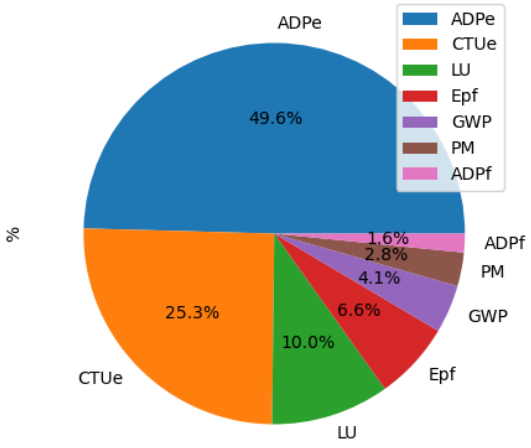
Life cycle assessment Thymio results:

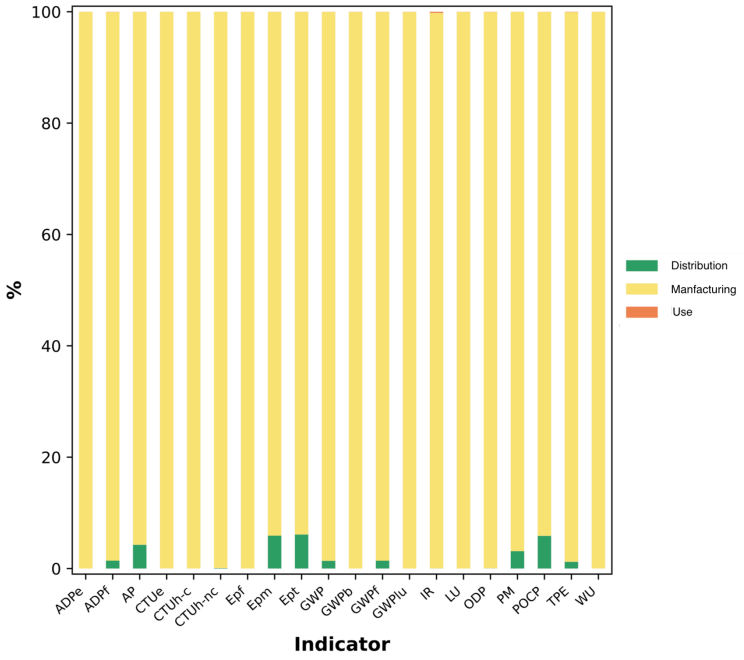
	Block	Equipment type
0	Basic electronic	['Resistances 4,7K Ohm', 'Resistances 33 Ohm', 'Resistances 2,7K Ohm', 'Resistances 22K Ohm', 'Resistances 2,2K Ohm', 'Resistances 1,5K Ohm', 'Resistances 1K Ohm', 'Resistances 10K Ohm', 'Resistances 6,2 Ohm', 'Resistances 56 Ohm', 'Resistances 39 Ohm', 'Resistances 200 Ohm', 'Resistances 82 Ohm', 'Resistances 100 Ohm', 'Resistances 180 Ohm', 'Resistances 5,6K Ohm', 'Resistances 100K Ohm', 'Resistances 680K Ohm', 'Resistances 6,8K Ohm', 'Resistances 820 Ohm', 'Resistances 47K Ohm', 'Resistances 270K Ohm', 'Resistances 0 Ohm', 'Capacitor 100nf', 'Capacitor 10 uF', 'Capacitor 51 pF', 'Capacitor 4,7 nF', 'Capacitor 4,7 uF', 'Capacitor 10 uF X5R \n', 'Capacitor 18 pF', 'Capacitor 1 nF', 'Capacitor 1uF', 'Capacitor 1,5 nF', 'Capacitor 47 nF', 'SMD ferrite bead for EMI suppression ', 'General purpose transistor', 'Transistor MOSFET', 'Transistor MOSFET type 2 ', 'Operational Amplifier', '8-bit Shift Register with 3-state output registers', 'CMOS process low dropout linear regulator ', 'ULDO REGULATOR', 'Audio power amplifier', '1 x 6 pins connector', 'Surface Mount Quartz Crystal 8Mh\xa0', 'PCB']
1	Battery	['Multicell Battery 3,7V, 1500 mAh', 'Battery Charge Management Controller']
2	Light emitting diode	['LED red 56', 'LED RGB\xa0', 'LED red mounted on Thymio's side', 'LED blue mounted on Thymio's side', 'LED Standard', 'LED red 57', 'Diode Schottky Barrier Double Diode ']
3	MOTOR	['Motor, General Kind']
4	Microcontroller	['General Purpose USB Microcontroller']
5	Peripheral Connectors	['Micro SD connector', 'USB/Charger and over voltage detection device', 'WR-COM Micro USB']
6	Sensors	['Loudspeaker', 'Omnidirectional Back Electret Condenser', 'Thermistors\xa0', 'Switch\xa0', 'Accelerometer', 'Opto Interrupter \npart 1/2 ', 'Opto Interrupter \npart 2/2 ', 'Opto Interrupter type 2 Part 1/2', 'Opto Interrupter type 2 Part 2/2', 'IR receiver part 1/2', 'IR receiver part 2/2', 'ON/OFF BUTTON']
7	Shell	['Casing - ABS', 'Casing - Polycarbonate', 'Screw']

Repartition of each element of the Thymio in blocks

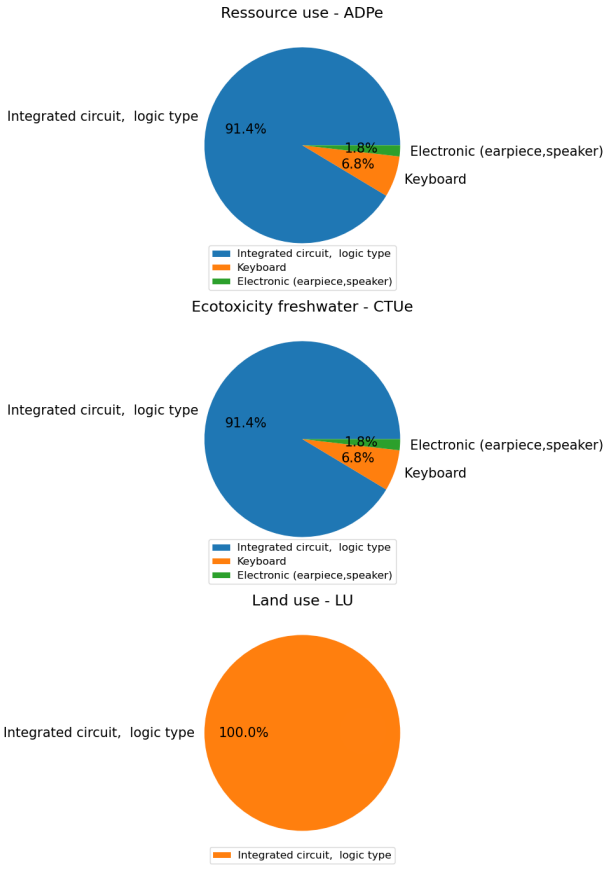




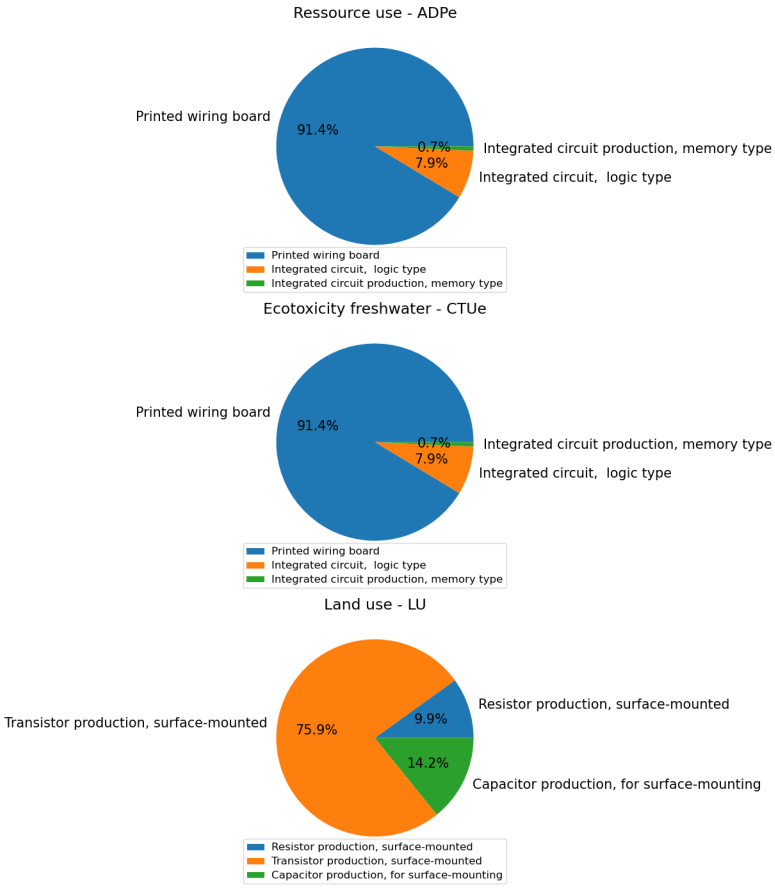
Contribution of indicators to the total footprint using their Planetary Boundaries per Capita per Indicator



Total impacts per life cycle stage



Contribution of *elements inside block: Sensors



Contribution of *elements inside block: Basic electronic components

*elements: Model of each element on Ecoinvent database

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