

Summary LLT4 SIBN - Sweden - March 2022

For LTT4 in Sweden the focus was on creating an entrepreneurial mindset around biomimicry. How the future will pan out probably depends largely on new ways of thinking, new ideas and the realisation of these ideas. During LTT4 we had an opportunity to find out more about the clever, energy efficient solutions of the plant and animal kingdoms both in the air and water, with an extra focus on movement.

The activities included

- a short presentation on aerodynamics with a workshop on how to build and improve on paper planes in order to understand what constitutes a successful flying body.
- a presentation of and guided tour at the Baltic Sea Science Centre to see various sea living creatures moving through water and understanding the situation in the Baltic Sea.
- a lecture by Dr. Fredrik Moberg at Stockholm University on biomimicry with a workshop on what we can learn from different animals and plants. The students presented their findings in an exhibition.
- a guided tour by Zoology Professor Owe Sandström at the Butterfly museum with a focus on biomimicry.
- the 3D movie Think Big on entrepreneurial thinking and a visit to the exhibitions at the Natural History Museum.
- The entrepreneurial game, see below.

The entrepreneurial mindset was applied by using the RICA method, which consists of creating a solution to a case through using certain entrepreneurial skills to take an idea from start to a more concrete goal. In LTT4 the case was to help an imaginary city to “**create a sustainable future with a circular mindset and an emissions-neutral existence. We want you to use biomimicry as a basis for your solutions because the environment is always resource efficient**”. Intelligent solutions from nature then became useful in succeeding to bring the assignment to the finishing line. The end product was visualised with posters that were used for the final pitch and a vote for the best idea. Finally a winning idea was chosen.

Apart from the activities concerning the main focus of the project, the participants visited the cultural heritage open air museum, were guided through the Old Town of Stockholm and participated in an afternoon of Swedish folklore.