

# Sergey Minakov *(Ukraine)*

Sergey Minakov is Associate Professor in the Welding Department of the National Technical University of Ukraine, Igor Sikorsky Kyiv Polytechnic Institute. Sergey has creatively combined both his professional activity in welding and his hobby of welded art and photography.

Sergey has always been fascinated by the opportunity to realise his creative plans and ideas into a real product. That is why he chose welding as his specialty, because it is the main technological process of forming an inseparable connection, and often even creating entire structures. Once, while welding a structure, he felt like a sculptor. This feeling sank into his soul.

The second significant line of his life is photography. He likes to spend his free time in nature and observe its inhabitants. This allows him to get away from the hustle and bustle of the big city and immerse himself in the real world of life on Earth, which has been going on for time immemorial.

The work “Biodiversity of My Region” reflects his feelings from observing the flora and fauna that have accumulated over time.

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## Exhibit “Biodiversity of My Region”

The welded sculpture Biodiversity of My Region shows the animal and plant world around the city of Kyiv, Ukraine. The main structural element of the sculpture is a supporting rectangle, which is a screen into the world of nature with unique flora and fauna. In this screen one can observe nature with animals, birds, insects, fish and reptiles. Each living creature is depicted in its corresponding environment: on (and in) the ground, on (and in) the water, in the air, on plants.

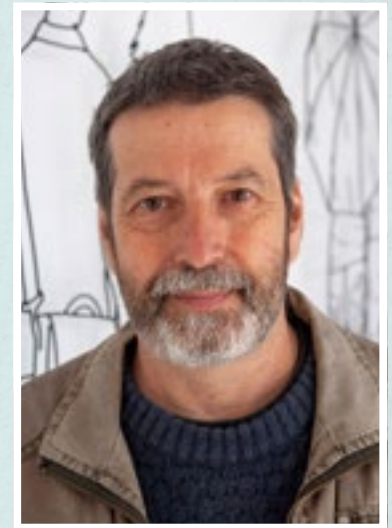
The construction material used was low carbon steel.

The following technologies were used in the production:

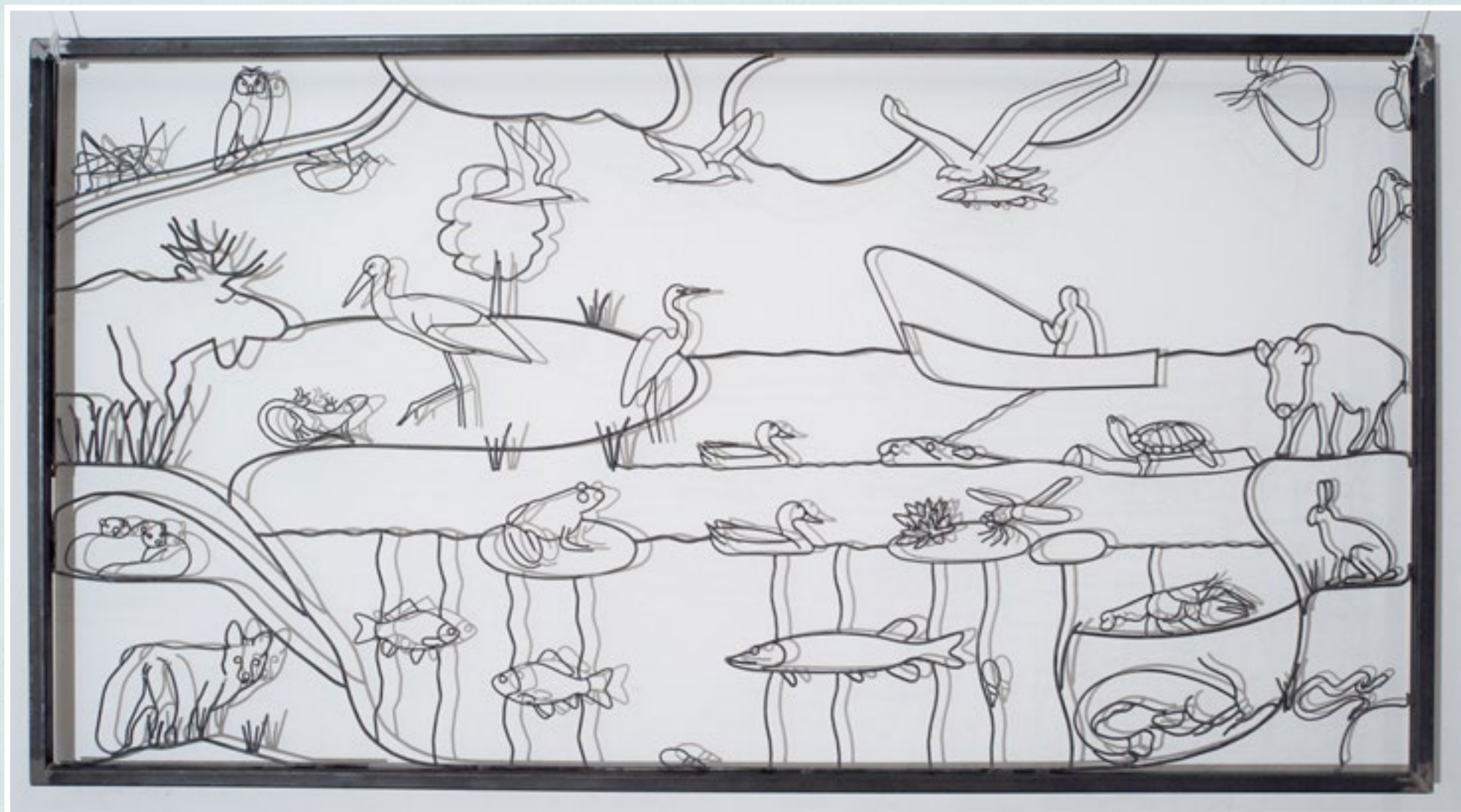
- computer processing of photos (adaptation of real photos into graphics);
- cold forging of figures (steel wire with diameters of 3, 4, 5 mm);
- mechanical cutting;
- TIG welding;
- TIG welding-brazing with CuSi3 solder;
- MAG welding.

## Dimensions of Exhibit

0.99m high x 1.9m wide. Weight about 12 kg.







*Biodiversity of My Region*  
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[Click here for video](#)