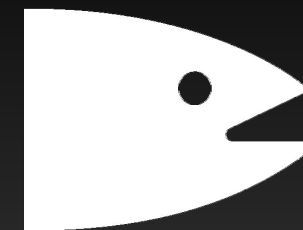


selfFish



SELFCONTROLLED WATER POLLUTION ANALYZING SYSTEM

Абрамов Владислав

Мурашов Леонид

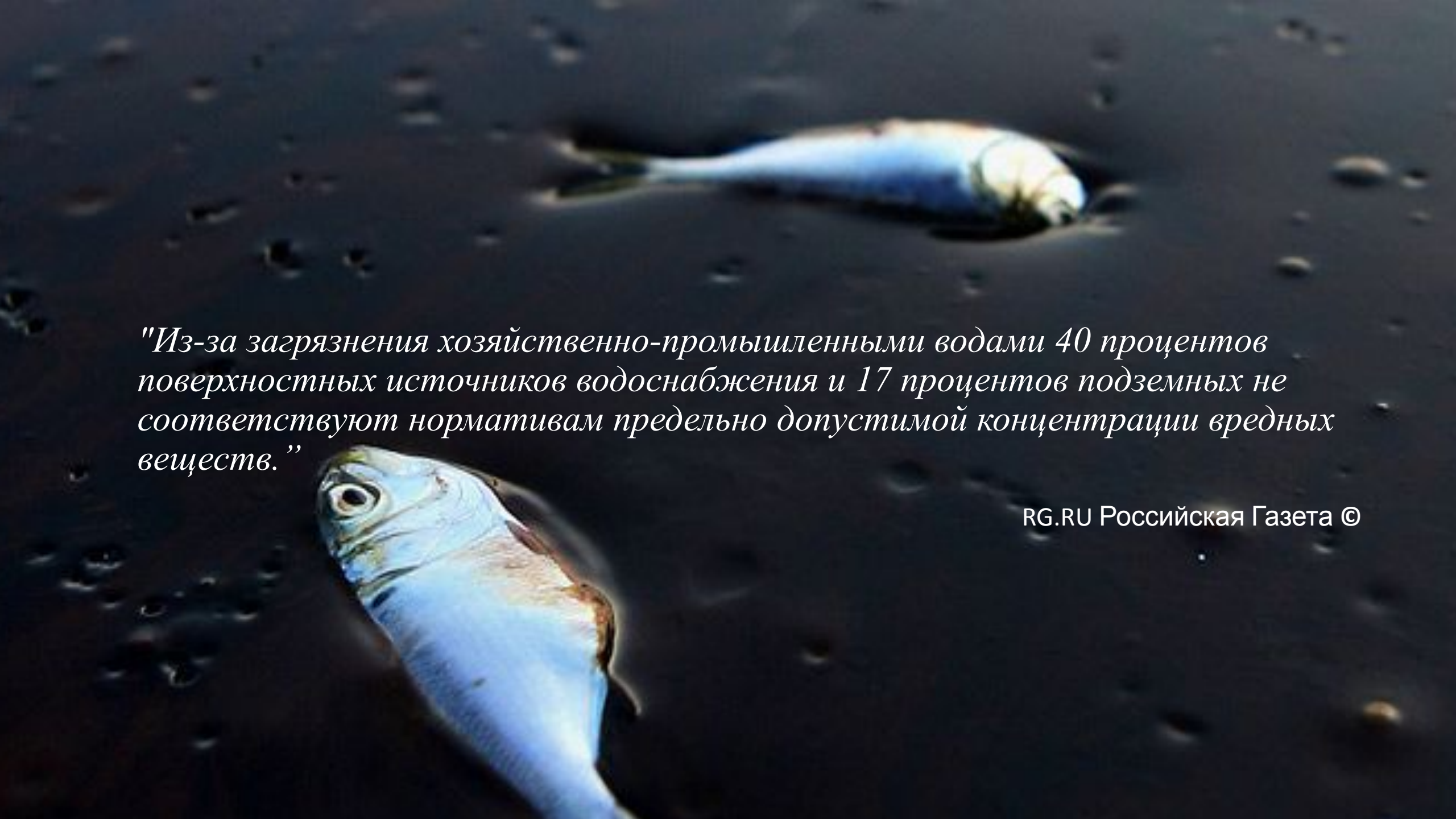
Горохов Михаил

Дмитрий Лифановский

Дарья Перегудова



**МЫ ТО,
ЧТО МЫ ПЬЕМ**

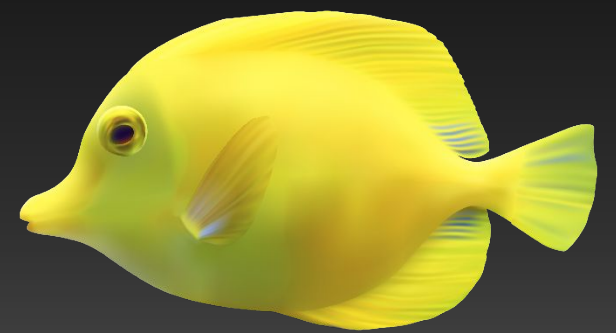
The image shows two dead fish lying on a dark, reflective surface. One fish is positioned horizontally in the upper right quadrant, and the other is positioned vertically in the lower left quadrant. Both fish appear to be of a similar species, possibly a type of sea bream or similar fish, with silvery scales and a yellowish-brown head. The background is dark and textured, possibly water or a dark floor, with some small, light-colored specks scattered around.

"Из-за загрязнения хозяйственно-промышленными водами 40 процентов поверхностных источников водоснабжения и 17 процентов подземных не соответствуют нормативам предельно допустимой концентрации вредных веществ."

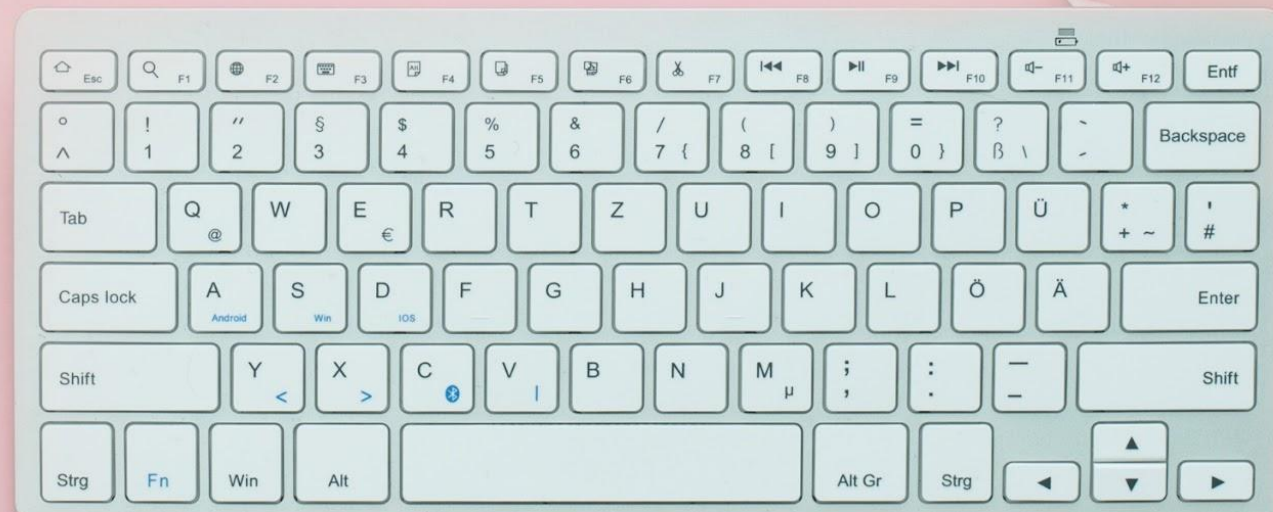
RG.RU Российская Газета ©



ИДЕЯ?

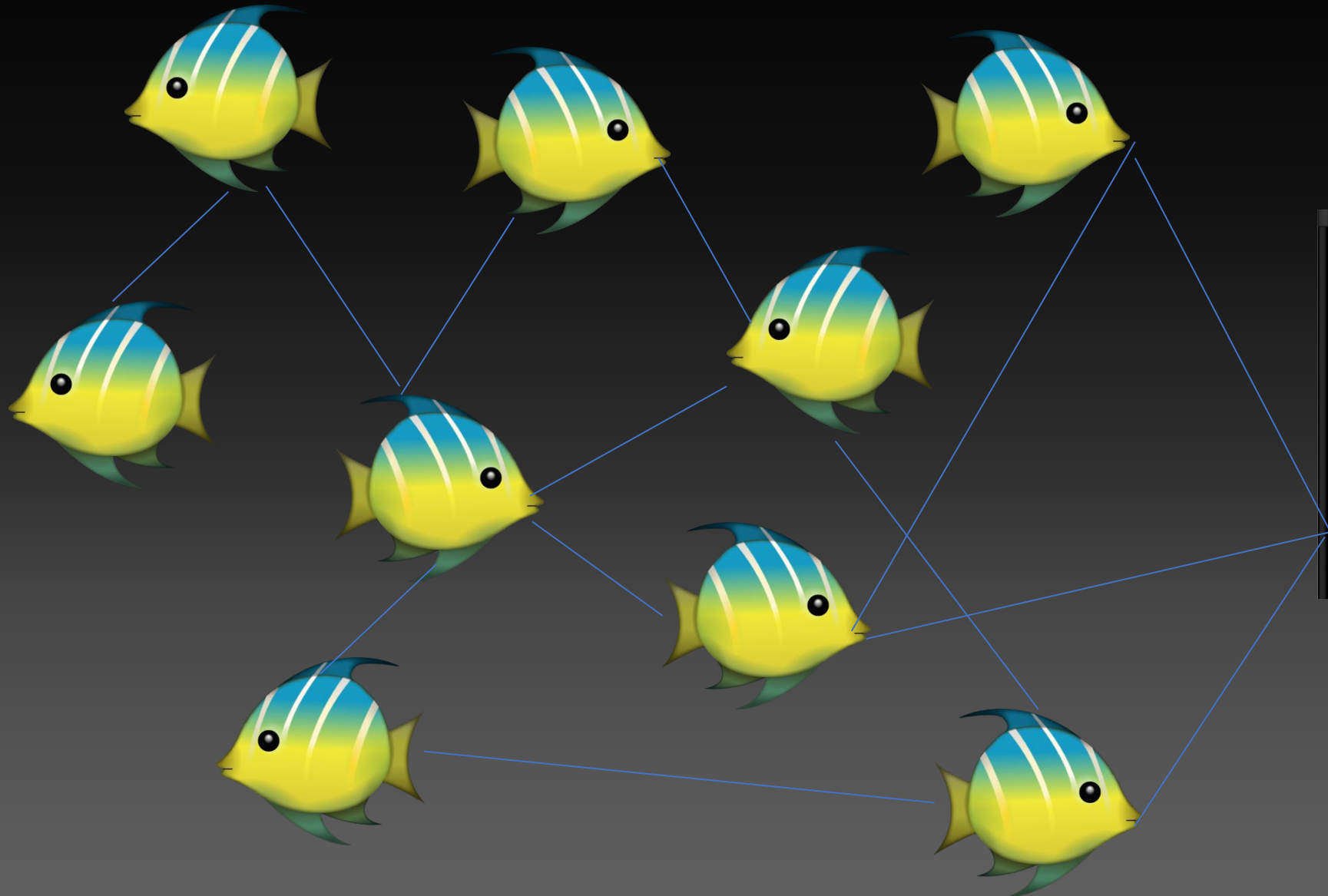


ЧТО ЖЕ НА ДЕЛЕ

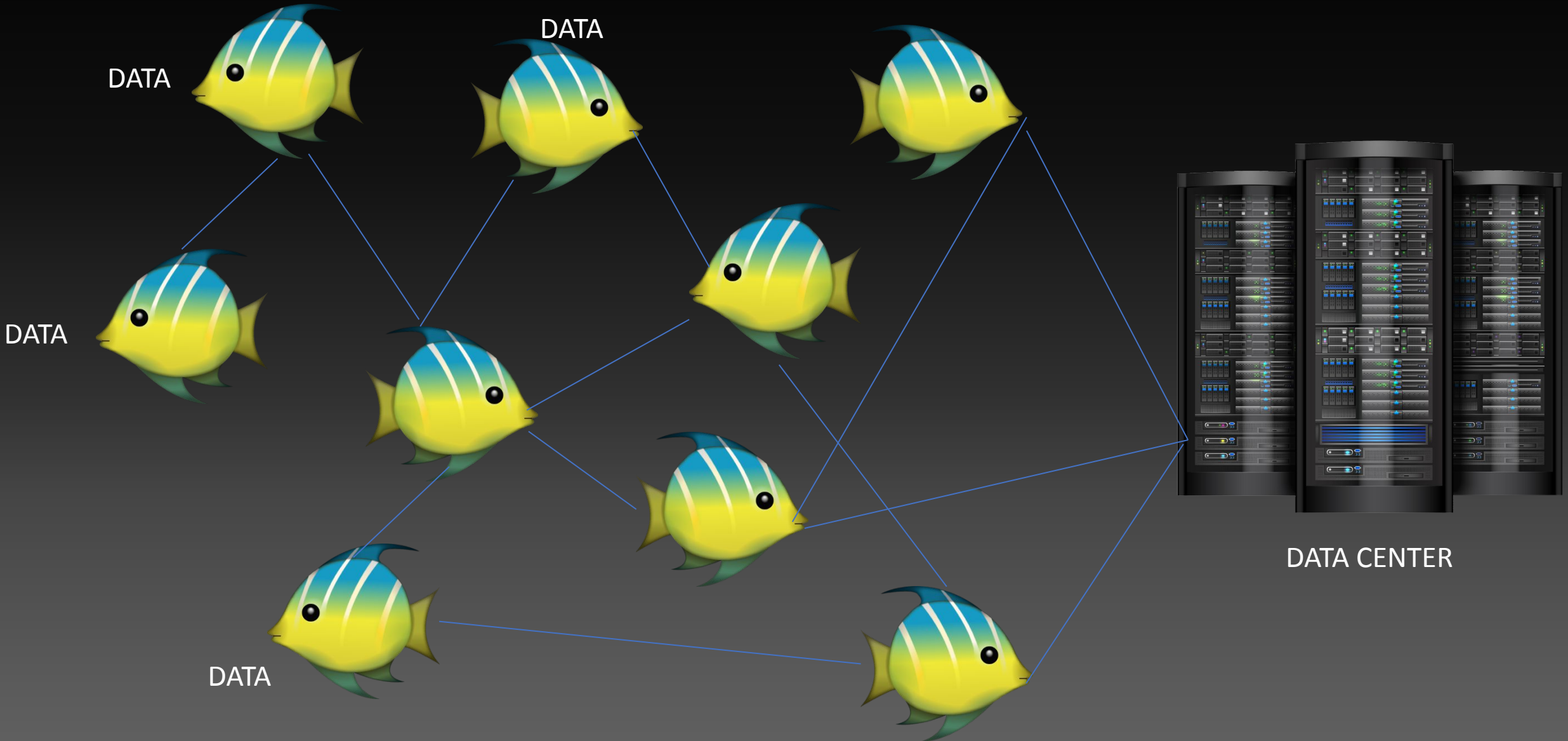


1000 РЫБ

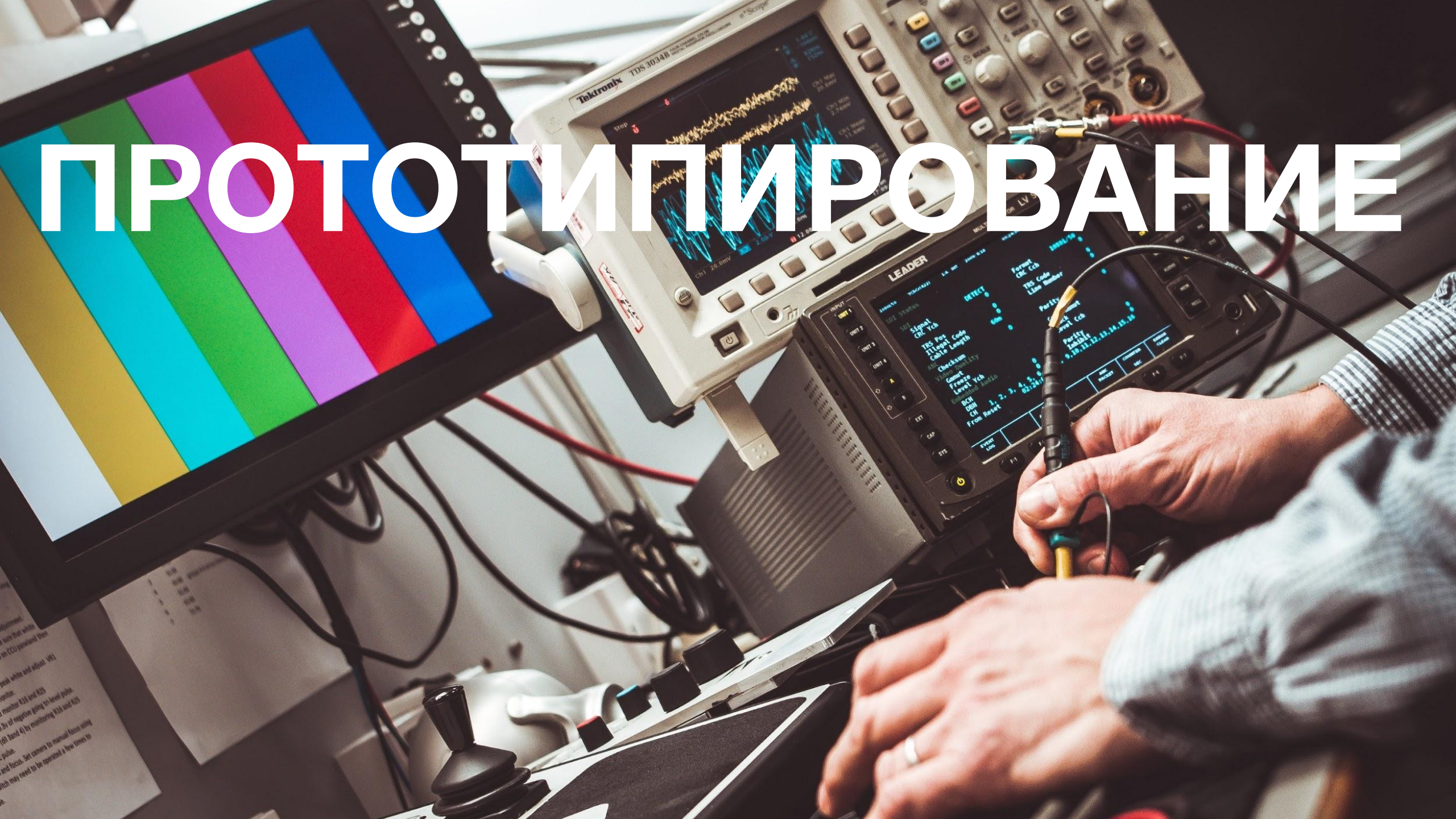
1 ОЗЕРО

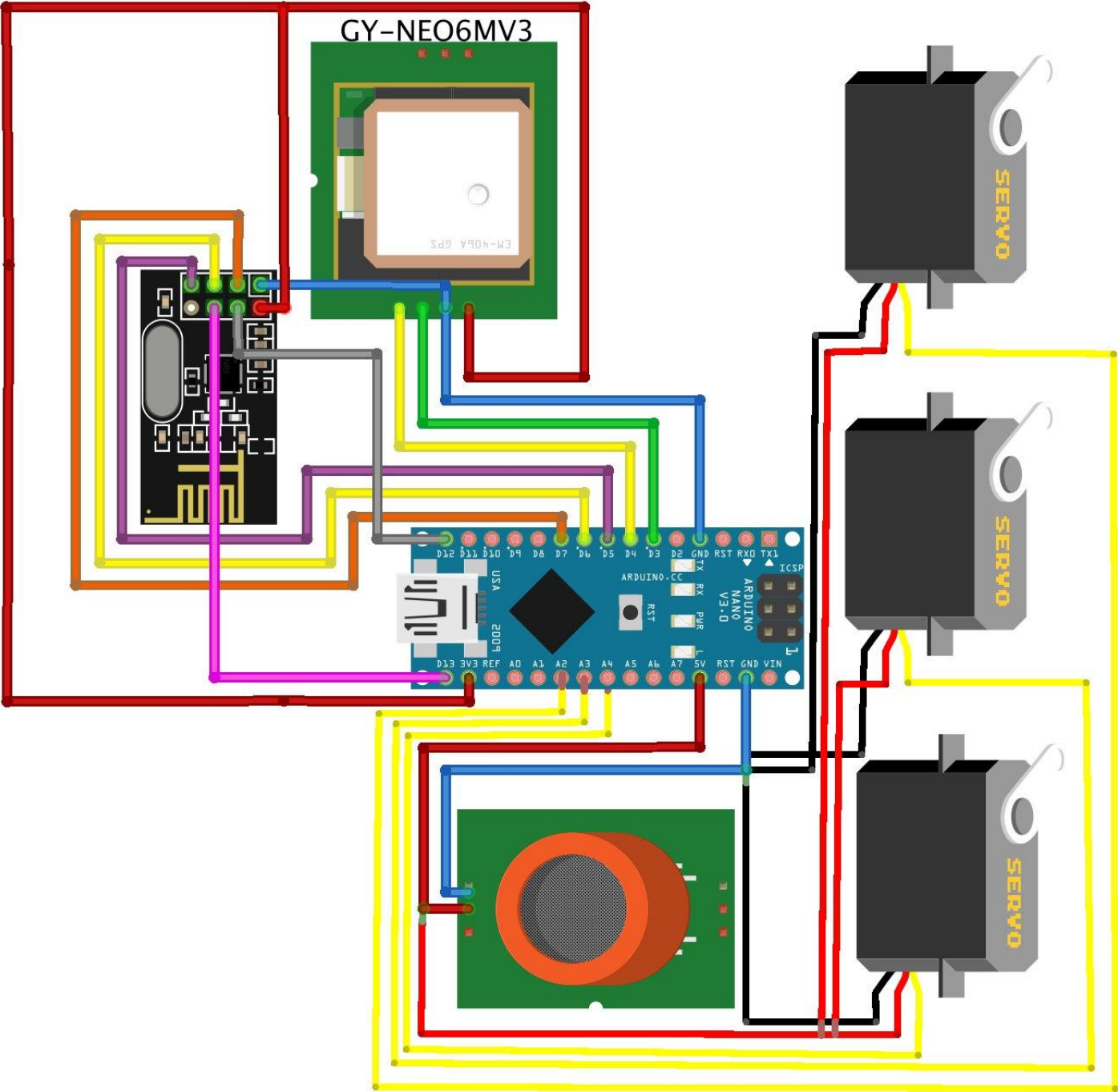


DATA CENTER

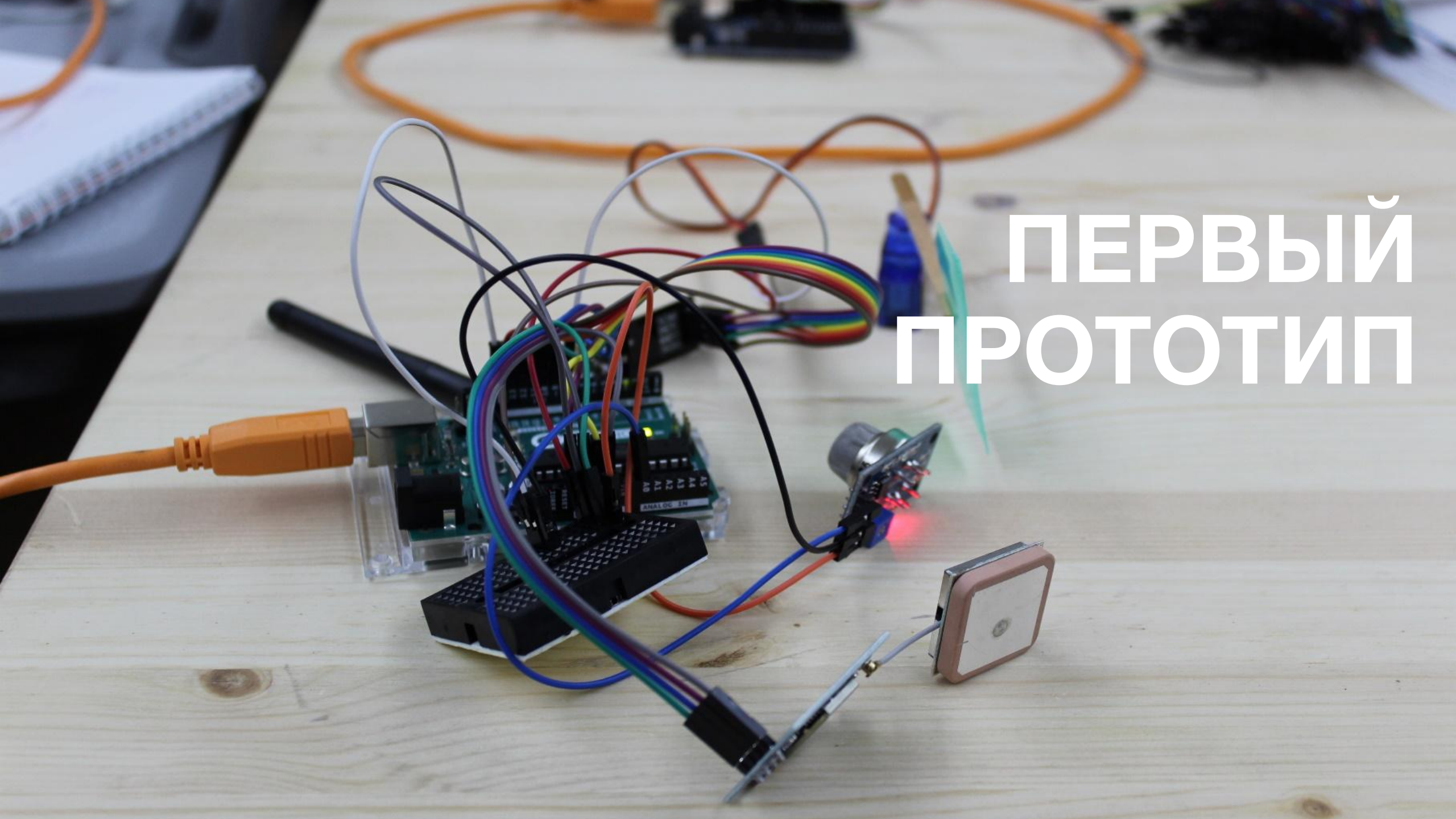


ПРОТОТИПИРОВАНИЕ

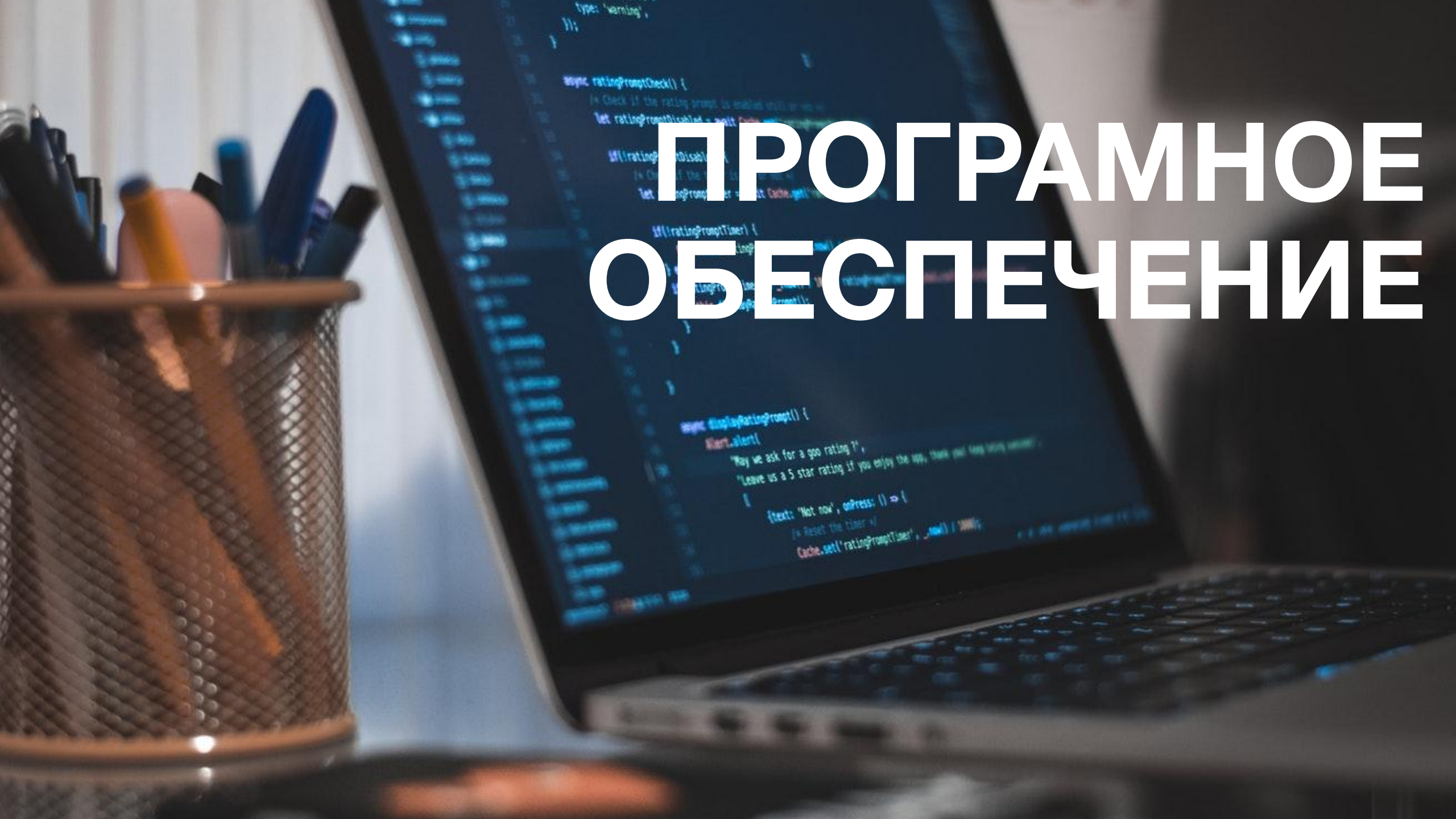




ПЕРВЫЙ ПРОТОТИП



ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ



```
FullExample | Arduino 1.8.5
FullExample §

void loop()
{
    static const double LONDON_LAT = 51.508131, LONDON_LON = -0.128002;

    printInt(gps.satellites.value(), gps.satellites.isValid(), 5);
    printFloat(gps.hdop.hdop(), gps.hdop.isValid(), 6, 1);
    printFloat(gps.location.lat(), gps.location.isValid(), 11, 6);
    printFloat(gps.location.lng(), gps.location.isValid(), 12, 6);
    printInt(gps.location.age(), gps.location.isValid(), 5);
    printDateTime(gps.date, gps.time);
    printFloat(gps.altitude.meters(), gps.altitude.isValid(), 7, 2);
    printFloat(gps.course.deg(), gps.course.isValid(), 7, 2);
    printFloat(gps.speed.kmph(), gps.speed.isValid(), 6, 2);
    printStr(gps.course.isValid() ? TinyGPSPlus::cardinal(gps.course.deg())

    unsigned long distanceKmToLondon =
        (unsigned long)TinyGPSPlus::distanceBetween(
            gps.location.lat(),
            gps.location.lng(),
            LONDON_LAT,
            LONDON_LON) / 1000;
    printInt(distanceKmToLondon, gps.location.isValid(), 9);

    double courseToLondon =
        TinyGPSPlus::courseTo(
            gps.location.lat(),
            gps.location.lng(),
            LONDON_LAT,
            LONDON_LON);

    printFloat(courseToLondon, gps.location.isValid(), 7, 2);
```



Arduino IDE

The image shows the interior of a space station, likely the International Space Station, looking out through a large circular window. The view outside shows the Earth with blue oceans, white clouds, and a thin layer of atmosphere. In the upper left, another satellite or module is visible in orbit. The interior of the station is dark, with various equipment and panels visible around the window frame.

СФЕРА ПРИМЕНЕНИЯ

A man in a dark blue suit and red tie is sitting at a desk. He is gesturing with his right hand, palm up. On the desk in front of him is a laptop, a glass of water, and some papers. The word "ЭКОНОМИКА" is overlaid in large white letters across the center of the image.

ЭКОНОМИКА

ВСЕМ СПАСИБО