





## TECHNOLOGY OFFER

### **SMART BIRDHOUSE**

#### **TECHNOLOGY DESCRIPTION**

- The implementation deals with the monitoring of bird activities located in bird boxes through new sophisticated technologies
- The so-called "smart bird box" is equipped with a special software and hardware for online monitoring of bird nesting and for video recording of bird activities
- The smart bird box is brought into operation using a PoE cable. The user
  must provide suitable conditions for the installation of the smart bird box
  (garden) and a power supply and an Ethernet socket with internet
  connection within 60 m of the nest box
- Technical support and project management are provided by the Czech University of Life Sciences Prague

### UNIQUE FEATURES AND ADVANTAGES

- Possibility of webcast or video recordings of all bird activities performed
- The user interface allows you to specify the recording (e.g. recording length)
- Use up to two cameras one against the box opening, the other on the ceiling of the box (against the nest), the use of sensors for sensing temperature and light intensity
- The use of a microphone to audio recording
- Application throughout the year
- The project is guaranteed by the University, which also provides technical support and data backup.
- Custom data processing capability

#### POTENTIAL APPLICATION AND USE

- Monitoring birds nesting in bird boxes is a non-invasive method of observing and collecting data that is applicable in many environments
- The solution provides educational, scientific and popularization benefits to a number of state and non-state institutions, but can also be used by private individuals

#### WHAT WE ARE LOOKING FOR

We are looking for users

# IP OWNER

Czech University of Life Sciences Prague

#### **IP STATUS**

**Know-how** 

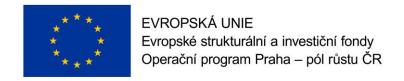
#### **TECHNOLOGY LEVEL**

**Prototype** 

#### **CONTACT**

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