



University laboratory in urban ecology

Bee collapse syndrome of urban bees

200 beehives located on urban roofs

To date: limited to chemical analyses of honey

Need for a remote monitoring of the hives:



- ➔ Monitoring of the external environment, temperature, NO_x, etc.
- ➔ Monitoring of the internal environment, temperature, moisture, "activity" (number of bees moving in and out), etc.

Your task: drafting the **Project Proposal** 😎

UrbanBeesRemote

Some Contextual Information (#1)

Brobdingnag [brob·ding·nag] is a small country (population: perhaps 2 million)

Its capital and main city is **Lorbrulgrud** [lor·brul·grud] (1/3 of the country population)

Its national currency is the **groat** (currency code: **GRT** or **€**; foreign exchange rate: €1 ≈ €1)

Its national telecom operator is **BrobTelecom**

City of Lorbrulgrud (CoL)

Among the various services:

Service for Environmental Protection (SEP); **Ernestine F.** (head, ernestine@lorbrulgrud.gov.brg)

Brobdingnag Beekeeper Association (BBA)

It has a few hundred members; its chairperson is **Gustave H.** (gustave@bba.org.brg)

University of Brobdingnag (UoB; www.uob.ac.brg)

Its president is **Théodule U.** (theodule@uob.ac.brg)

The university is made of several organizational entities, and among them:

Legal Service (LS)

It is staffed with: **Basilou C.** (legal advisor, basilou@uob.ac.brg)

Quality Support Office (QSO)

It has the mandate to promote good quality and project management practices

It is staffed with: **Péroline Q.** (quality support engineer, peroline@uob.ac.brg)

QSO provides an off-the-shelf all-in-one platform (Pregit™) for managing documents and information (breakdown structures, documents, files, lists, events, meetings, configuration, issues, templates, etc.)

Dept. of Environment Sciences (DES)

It is made of several research groups, institutes and laboratories, and among them, the **Laboratory of Urban Ecology** (LUE) staffed with:

- **Archibald B.** (professor and head, archibald@uob.ac.brg)
- **Léoncie M.** (senior researcher, possible project lead, leoncie@uob.ac.brg)
- **Nestor O.** (PhD candidate, possible project participant, nestor@uob.ac.brg)
- **Vincelette X.** (research assistant, possible project participant, vincelette@uob.ac.brg)

The Urban Entomology Lab from Lindalino University is the major research team with which the LUE is in *co-ompetition*; they monitor 500 beehives on the roofs of Lindalino downtown

Dept. of Engineering (DEng)

It is made of several research groups, institutes and laboratories, and among them, the **Microelectronics Laboratory** (μELab) staffed with:

- **Célestine D.** (professor and lab head, celestine@uob.ac.brg)
- **Rogatien S.** (associate professor, possible project participant, rogatien@uob.ac.brg)
- **Isaure K.** (senior electronics engineer, possible project participant, isaure@uob.ac.brg)
- **Yann Z.** (junior electronics engineer, possible project participant, yann@uob.ac.brg)

