**Questionnaire 1.** Mine modeling, control points, sensors, and actuators.

**Mine Structure**

1. Indicate the level of difficulty for modeling the mine structure (tunnels, entrances, working faces, etc.) using the IoT@runtime language.

   ☐ Very easy
   ☐ Easy
   ☐ Medium
   ☐ Hard
   ☐ Very hard

2. If you have experienced any problems modeling the mine structure, please indicate them below.

   Click or tap here to enter text.

3. Does the IoT@runtime language allow you to model the structure (tunnels, chambers, areas, etc.) of underground coal mines that you know or have explored before?

   ☐ Si
   ☐ No. Why? Click or tap here to enter text.

4. Would you add (or modify) any concept to the language to represent the structure of a mine? Which one?

   Click or tap here to enter text.

**Control points, sensors, and actuators**

5. Indicate the level of difficulty in modeling the control points, sensors and actuators that belong to the mine's IoT system, using the IoT@runtime language.

   ☐ Very easy
   ☐ Easy
   ☐ Medium
   ☐ Hard
   ☐ Very hard

6. If you have experienced any problems modeling the control points, sensors, and actuators, please indicate them below.

   Click or tap here to enter text.

7. Does the IoT@runtime language allow modeling the sensors and actuators that are commonly used to perform monitoring and control in an underground coal mine?

☐ Yes
☐ No. Why? Click or tap here to enter text.

8. Would you add (or modify) any language feature to model the control points, sensors, and actuators of the system? Which one?

Click or tap here to enter text.