

Relational Schema Diagram

Figure 1 - Relational Schema Diagram of the Database with indexes

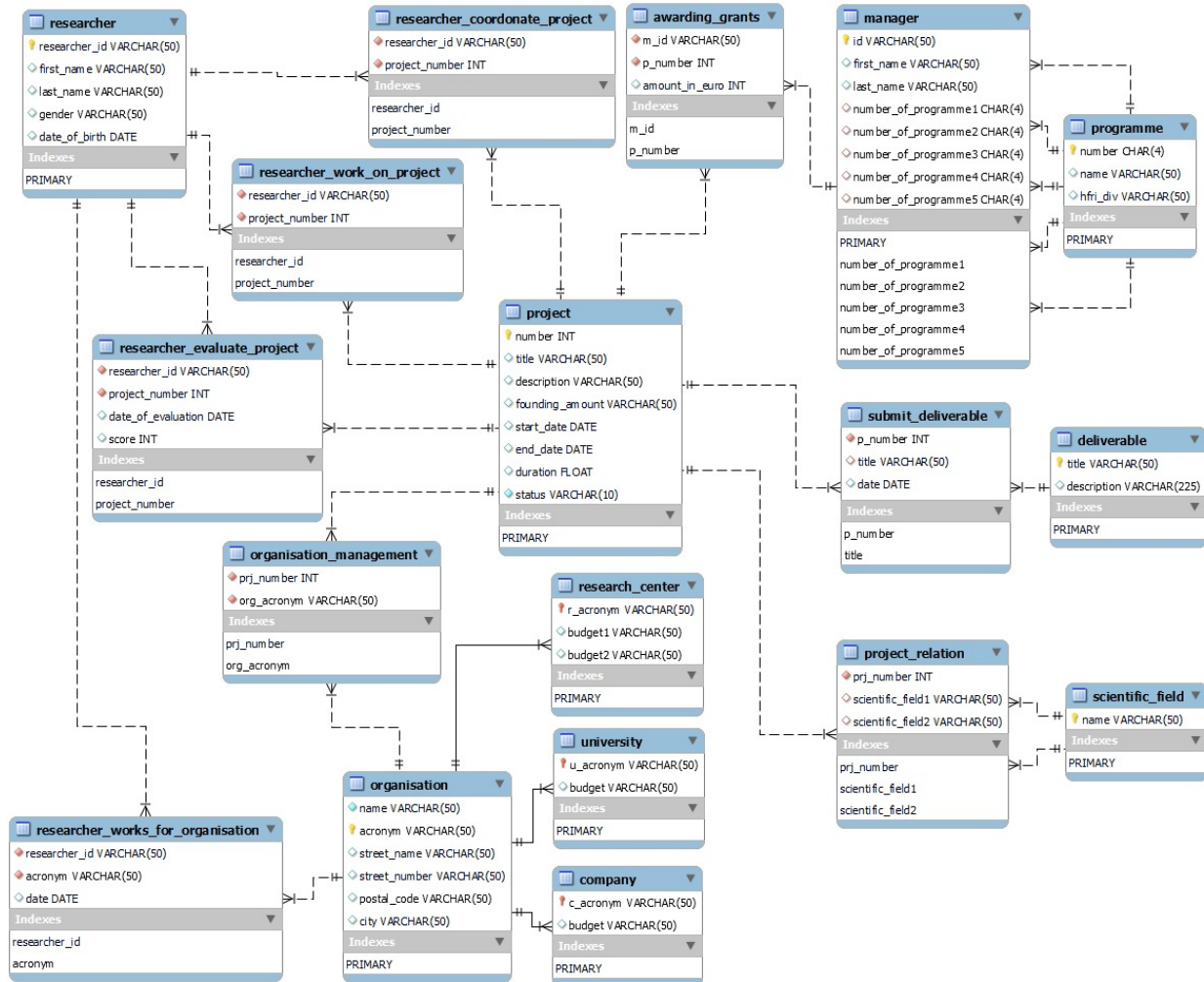


Figure 1 depicts the Relational Schema Diagram of the Database. The tables representing entities are **researcher**, **project**, **manager**, **programme**, **deliverable**, **organization** and **scientific_field**.

Each entity has a set of properties listed in their table. For example, the entity **deliverable** has a *title* and a *description*. The *title* is also a primary key, being a unique identifier of each deliverable.

The way the entities interact with each other is described by relationships.

The interaction of the entity **researcher** with the entity **project** is described by the following relationships: **researcher_coordinate_project**, describing which researchers coordinate which projects, **researcher_work_on_project**, describing which researchers work on which projects and **researcher_evaluate_project**, describing which researchers evaluate which projects (Figure 1).

The interaction of the entity **researcher** with the entity **organization** is described by the relationship **researcher_works_for_organisation**, describing which researchers work for which organizations (Figure 1).

The interaction of the entity **project** with the entity **manager** is described by the relationship **awarding_grants**, describing which managers award grants for which projects and the amounts of money given to each project (Figure 1).

The entity **manager** interacts with the entity **programme**, describing which managers manage which programmes and the amounts of money given to each project (Figure 1).

The interaction of the entity **project** with the entity **deliverable** is described by the relationship **submit_deliverable**, describing which, if any, deliverables are delivered for which projects and the date of the delivery (Figure 1).

The interaction of the entity **project** with the entity **scientific_field** is described by the relationship **project_relation**, describing which projects relate to which scientific fields (Figure 1).

The interaction of the entity **project** with the entity **organization** is described by the relationship **organisation_management**, describing which organizations manage which projects. Each organization can belong to one of three categories: **research_center**, **university**, or **company** (Figure 1).