CADASTA CHEN DIAGRAM – DATA MODEL BRAINSTORMING

Survey Data Model (External Sources)

Surveys collect data about entities. Relationships between a survey and an entity is defined on import. Relationship to entities: organization, cadastral boundary, user
SEE Survey Data Model for Data Resources

Parcels that are spilt will retain the original record and relationships;

Groups may be an entity of their own, or be a bridge to a number of users.

Entities and attributes shown:
- Polygon — Geographic Area of a Project (Boundary) — represent
- Organization (id, name, logo url) — have
- Organization Roles — have — Permissions/ Business Rules
- Application Users (id, name, password, phone, email, username, last log in) — have
- persons (government id, id type (dl, passport), name, id, phone, city, address, state, zip, occupation, gender, DOB)
- Data Resources (data type, common category, responses, respondent, questions) — have
- Survey (questions, responses, respondent)
- Project (admin id, type, id, url, create date, region, title, description, country)
- Parcel (id, timestamp, spatial source (gps digitized, etc.), change history, area (calc or defined), user_id (CADASTA), government parcel identifier, land use (comm, residential), point, line, polygon) — contain
- parcel history (parent id, child id, description, approved by, collected by, timestamp, user id) — have a history
- Relationships (tenure type (own, lease, occupy, informal occupied), id, relationship boundary/parcel section, aquired date, expiration date, aquired type (inherited, squating), media, archived) — have — associated to
- groups (legal states, num of members, contact, id, type, title, descripton) — associated to
- Responsibility (description, id) — may have
- Right (description, id) — may have
- Restriction (description, id)
- media (entity primary key, entity relationship (project, parcel, organization), type (property photo, doc), id, description)

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