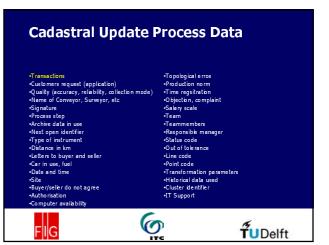
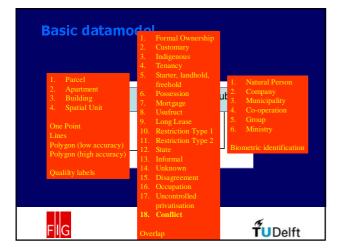


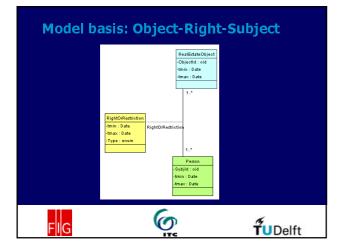


Acadastral Data • object (parcel, apartment, spatial unt) • right (ownersthig (unum), usufruct, mortgage, right (ownersthig (unum), usufruct, mortgage, right (natural, non natural, group) • dentifieu • value • aras (Gis area and legal area) • classification • classification • classification • date (bith, establishment, acceptanc, tranaction ysurey, check-in) • anking order • anking order • arbite (bith, establishment, acceptanc, tranaction ysurey, check-in) • anking order • arbite (bith, establishment, acceptanc, tranaction ysurey, check-in) • arbite (bith, establishment, acceptanc, tranaction ysurey, check-in) • arbite (bith, establishment, acceptanc, tranaction ysurey, check-in) • arbite (bith) • arbi





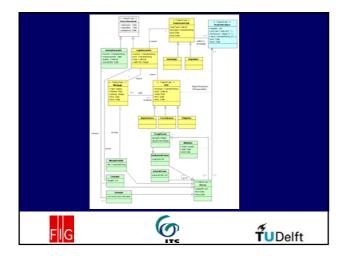




Core Cadastral Domain Model: Geometry

- Real estate object with specialisations, e.g. parcel, parcel-complex, volume property, restriction area, point parcel, apartment unit
- Agregations like parcels set, parcel complex, apartment complex
- Link to surveying and survey documentation
- Link to OGC standards (Nodes, Edges and Faces)

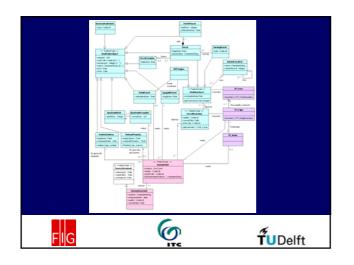




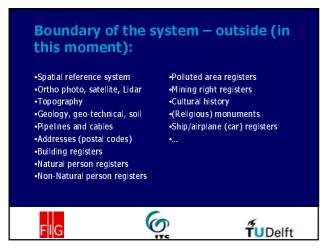
Core Cadastral Domain Model: Legal-administrative

- RRR is an association class between Person and RealEstateObject
- Mortgage, restriction and RRR are based on legal • documents or decisions
- Person are specialised as natural or non natural
- Surveyor, conveyor and money provider are included,
- specialisations of the Persons class
- A RRR can be temporal





Cadastre 2014 approach is integrated • 2014 s a generic, abstract set of guidelines • CCDM is refined into a more specific model, for implementation 6 FIG **TU**Delft



Aspects not yet covered

- Processes: how to maintain consistency between two related distributed systems in case of updates: the cadastral production process depends on availability and quality of data at remote servers (e.g. Persons in population database) •
- Catalogues with 'types of right' (per country?)
- Further modelling of cadastral survey
- Inclusion of a range of spatial units
- Generation of a full XML/GML schema
- Test with real data, in EULIS context
- Harmonise with other domain models, e.g. Topography, Water, Utility Networks



