**Objective**
To investigate the feasibility of automatically generating a draft construction schedule from a 3D building model stored in an IFC database.

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**CPW Functions**
- **C**: Identify building COMPONENTS
- **A**: Associate construction ACTIVITIES
- **R**: Estimate required RESOURCES
- **S**: Derive logical SEQUENCE between construction activities

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**CPW: a rule-based system**
If (X is a reinforced concrete beam) AND (Y is a reinforced concrete slab) AND (X is connected to Y)
Then (X and Y are constructed together)

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**A possible construction sequence when reinforced concrete columns, beams and slabs are erected monolithically:**
- Place column reinforcement
- Place column formwork
- Erect scaffolding and formwork for beam and slab
- Place beam and slab reinforcement
- Pour concrete of column, beam and slab

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**CRC Schedule Viewer**
Based on the CRC IFC Viewer

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**CRC for Construction Innovation, 9th Floor, L Block, QUT Gardens Point, 2 George St, Brisbane, Qld, 4000**
Tel 61 7 3864 1393 / Fax 61 7 3864 9151 / Email: enquiries@construction-innovation.info

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**Project Leader:**
Robin Drogemuller (CSIRO)
Email: Robin.Drogemuller@csiro.au

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**University of Newcastle**
- Dr Guillermo Aranda-Mena
- Dr Rod Gameson
- Mr Willy Sher
- Mr Peter Ward

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**Woods Bagot**
- Mr John Crawford
- Ms Cheryl McNamara
- Dr Gerardo Trinidad

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**John Holland**
- Mr David Marchant
- Mr Nick Windmeyer