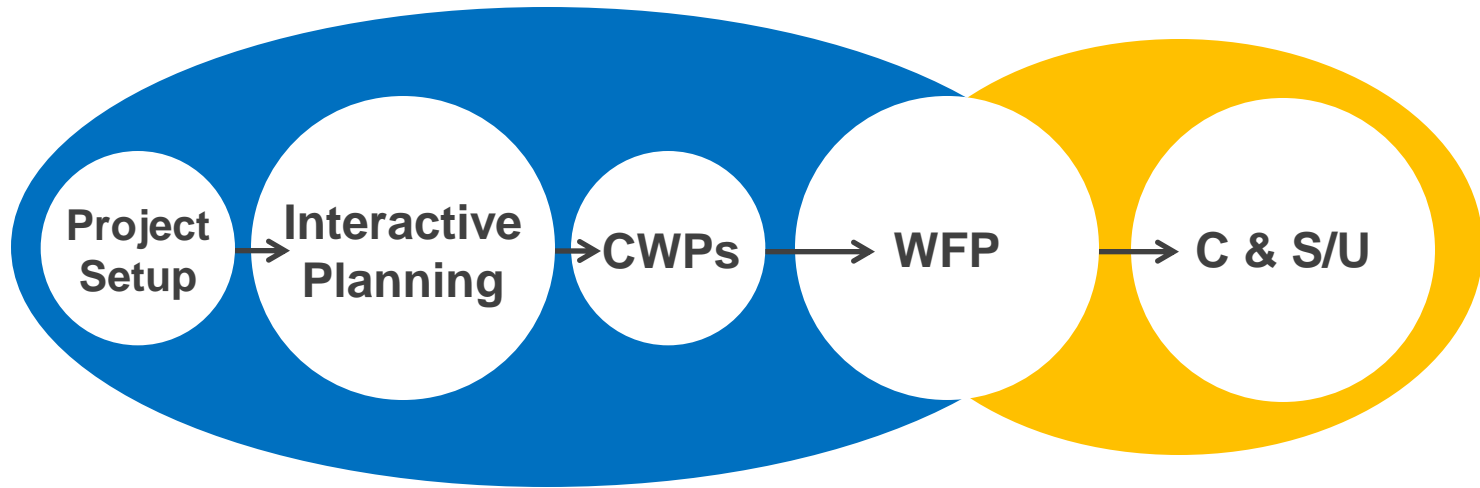


Construction Planning

How WorkFace Planning Fits In

Glen Warren (retired)
Vice President, Major Projects
Ledcor Industrial Group
COAA WorkFace Planning Conference 2011
Calgary, Alberta, Canada
September 19 & 20, 2011

Construction Planning



**Front-end and
Detailed Engineering**

**Construction and
Start-up**





Goal of Project Front-end Process

Goal: to ensure WorkFace Planning is used during the construction, commissioning and start-up phases of the project.

To accomplish this goal, all of the following are required:

- **Early and complete construction input**
- **Contracting strategy identified early**
- **Procurement strategy that supports the Path of Construction**
- **Early identification of Commissioning and start-up schedule and activities**
- **Interface management identified and addressed**
- **Owner provides adequate high level sponsor(s) to support WFP start of project**

WorkFace Planning (WFP)



WORKFACE PLANNING

WFP PRODUCT

- Rules
- Flow Chart
- Roles and Responsibilities
- FIWP Format
- FIWP Examples
- WFP Discipline Checklist
- WFP Contract Language
- Audit Score Card
- Training

Audience Participation

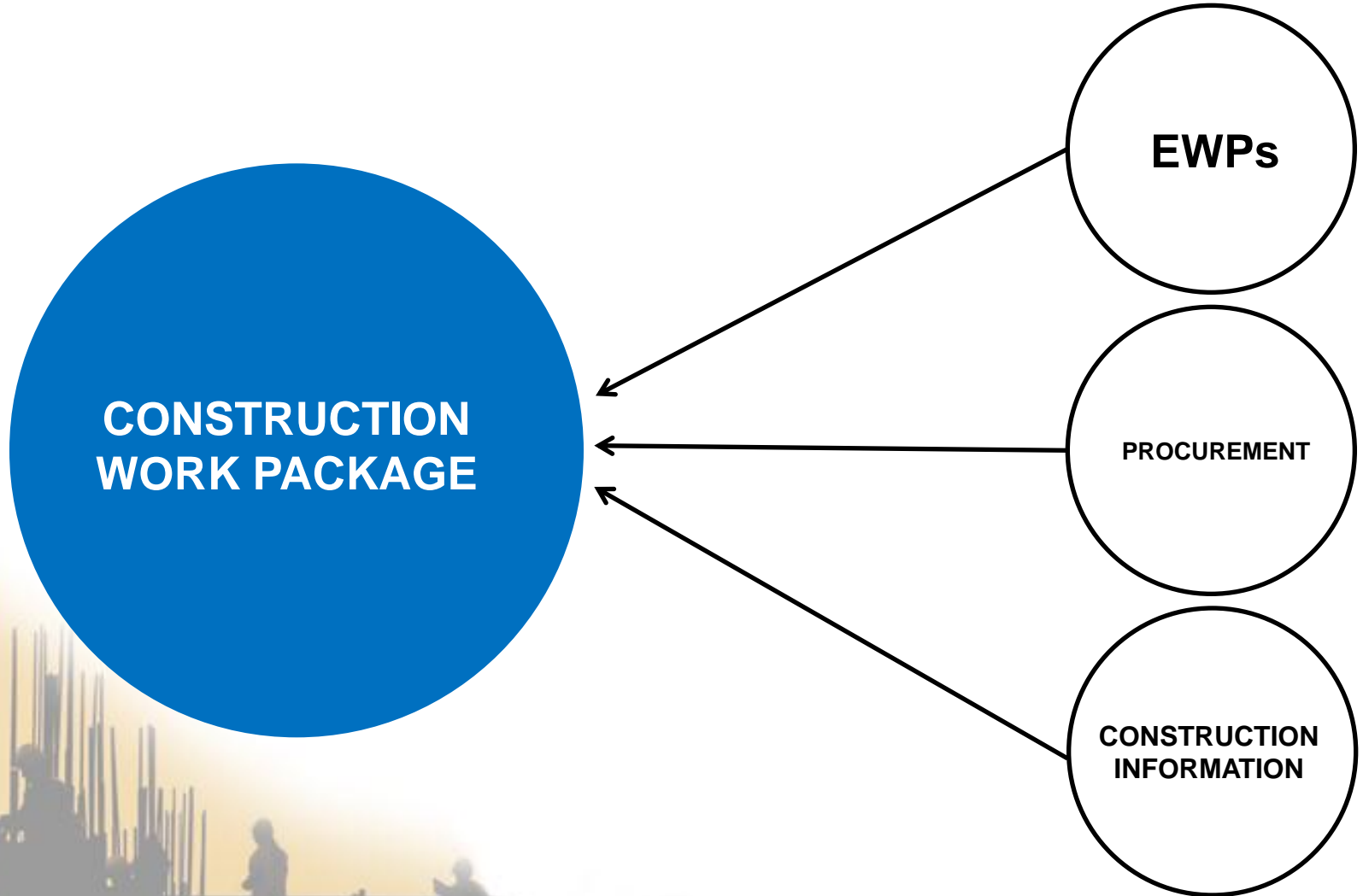




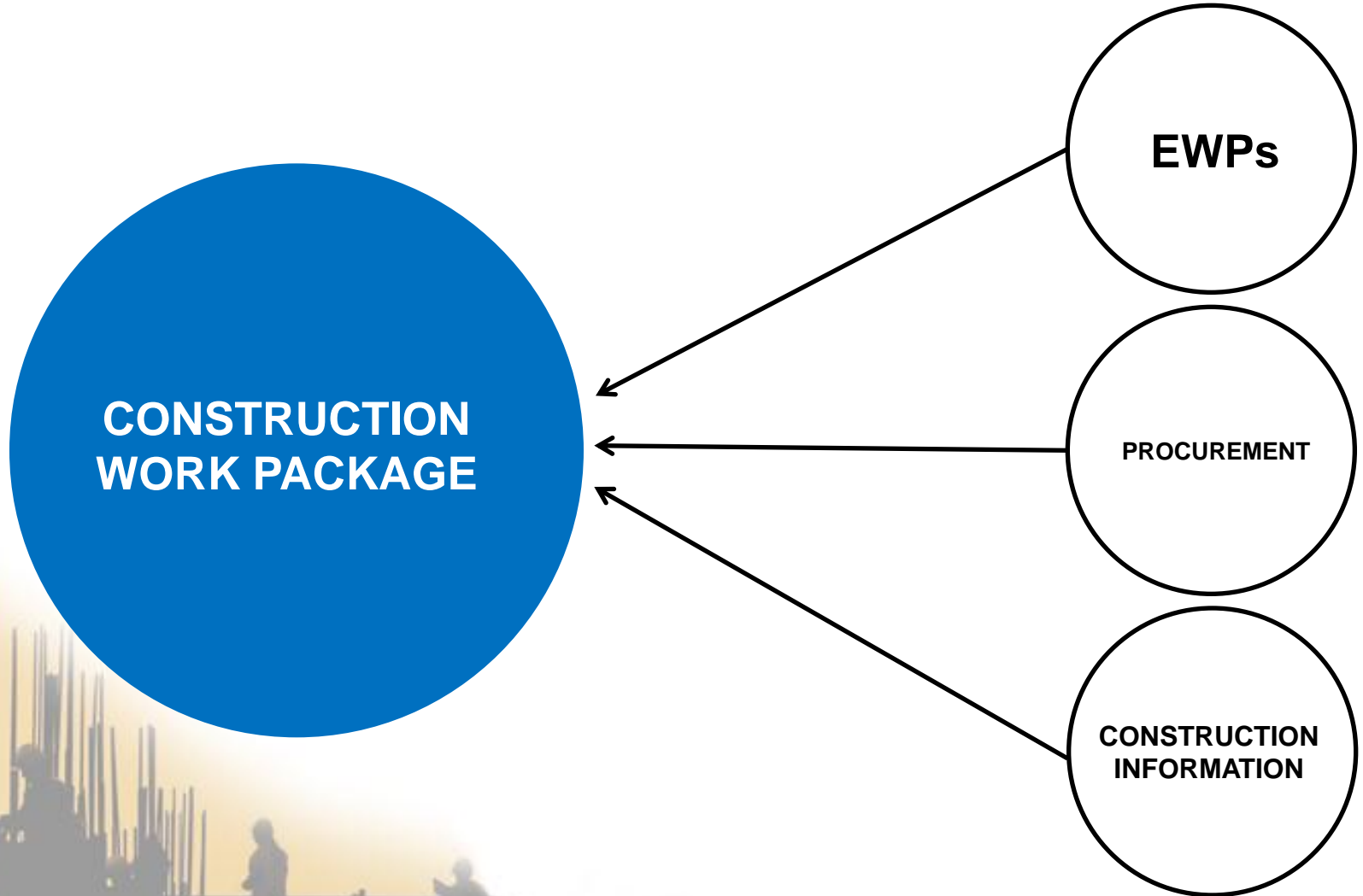
CODING



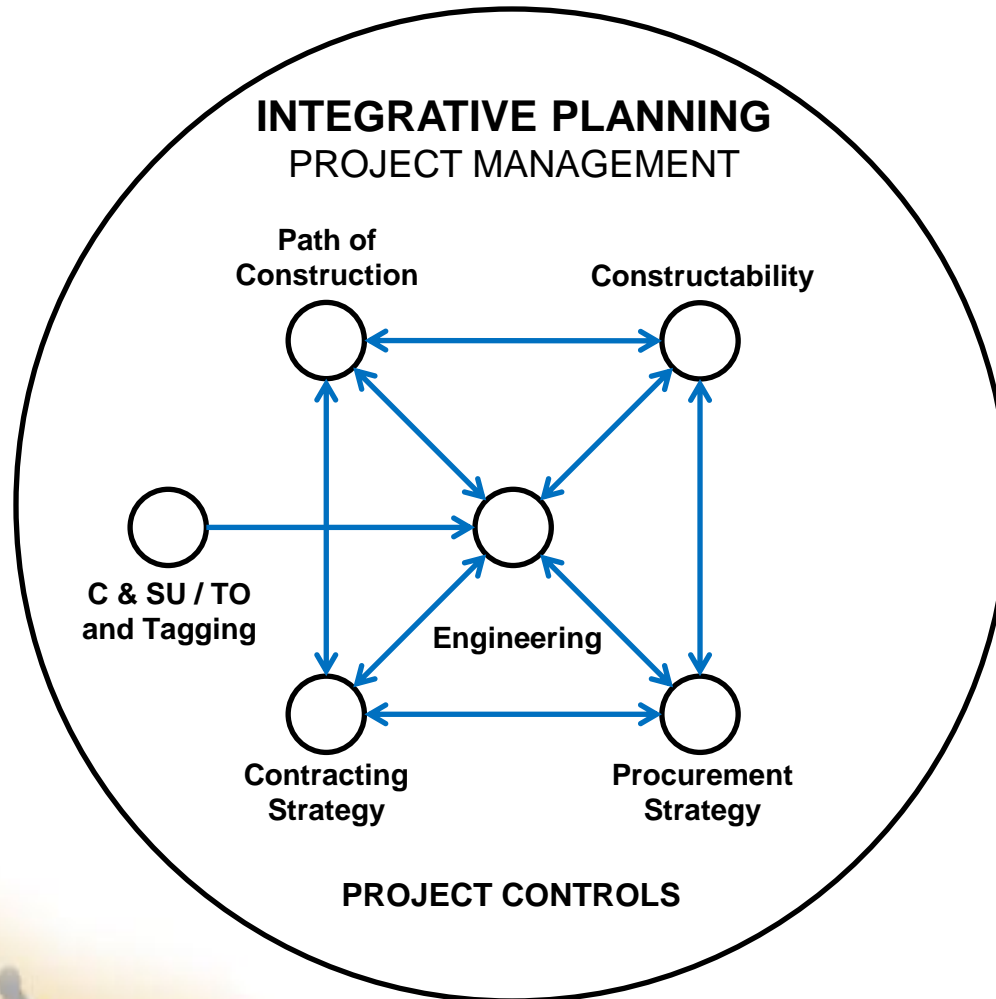
Construction Work Package Creation



Engineering Work Package Creation



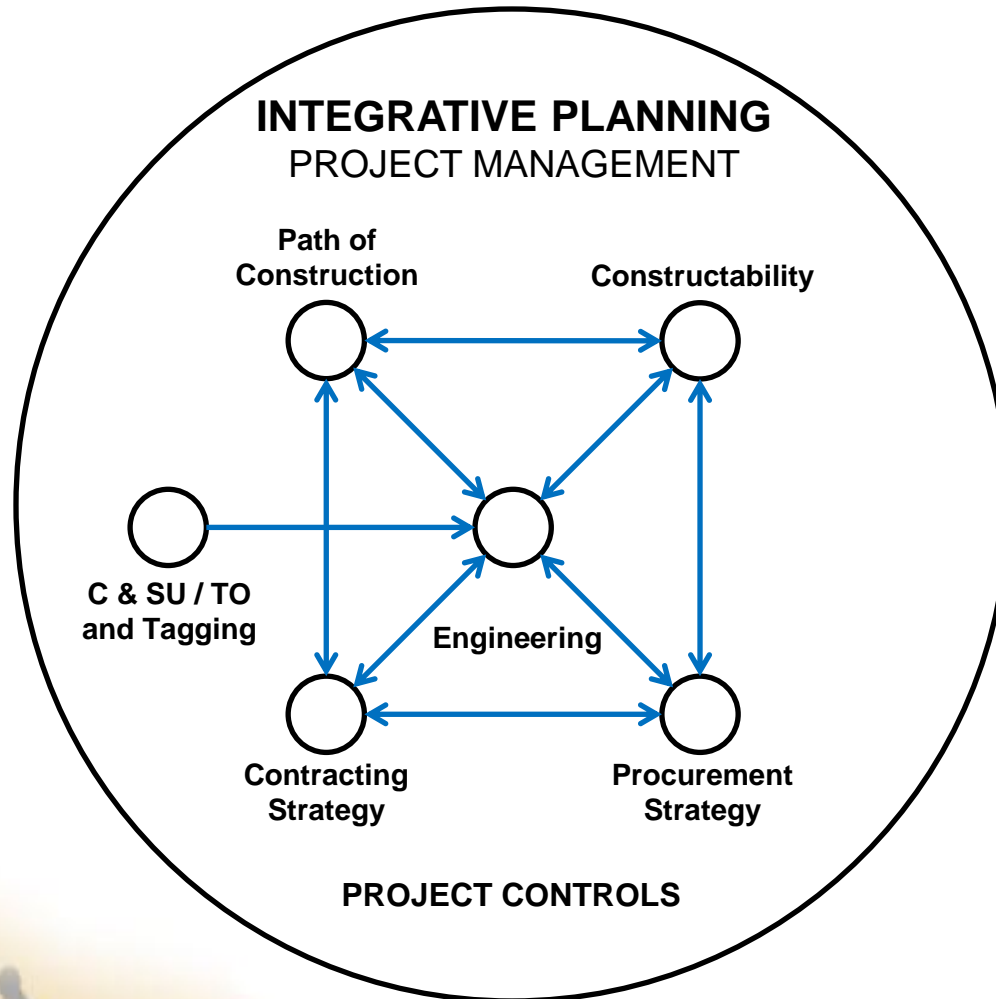
Integrative Planning



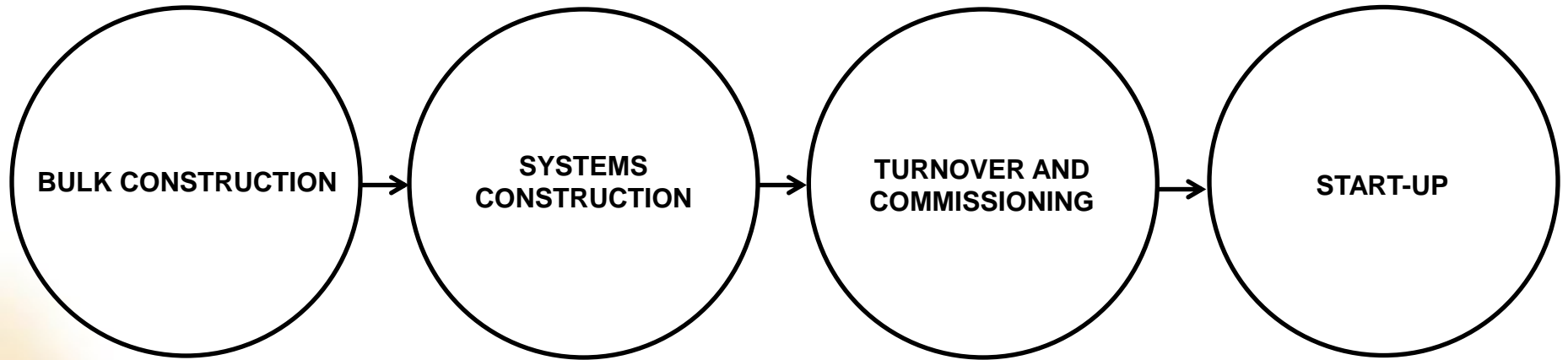
Audience Participation



Integrative Planning



Integrative Planning





New swim-lane flowchart

STAKEHOLDERS	Owner, PM, CM, Engineering, Supply Chain, Construction Contractor
PHASES	Pre-Project, DBM, EDS, Detailed Engineering, Construction, Commissioning, Start-up, Close Out
TYPE	WorkFace Planning, Standard Project Procedure, Integration of WFP and Standard Project Procedure



Feedback?

