

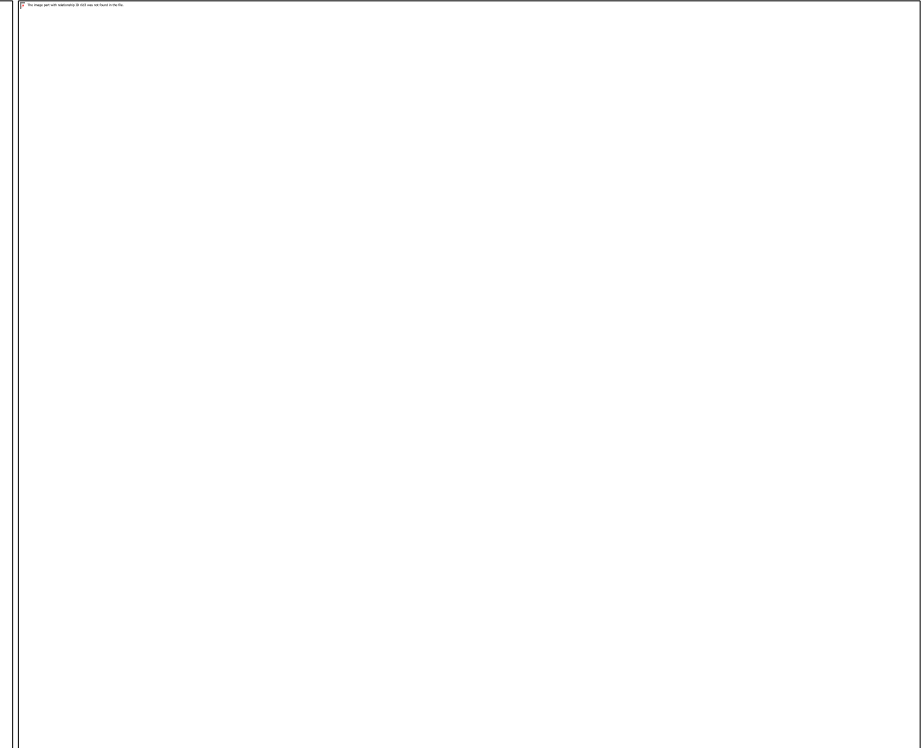
CONNECTING THE DOTS TO DELIVER HIGH-PERFORMING BUILDINGS

Dean Reed, DPR Construction • Ken Stowe, John Wiegand, Autodesk
Autodesk University • Las Vegas, NV • November 16, 2017

PATHWAY TO INTEGRATING PROJECT DELIVERY

- Economics & Value
- The High Performing Building
- Complexity & Interdependence
- Simple Framework for Integrating Project Delivery

VALUE SIMPLIFIED



ECONOMICS OF PROJECT DELIVERY

Value for Building Owners / Operators

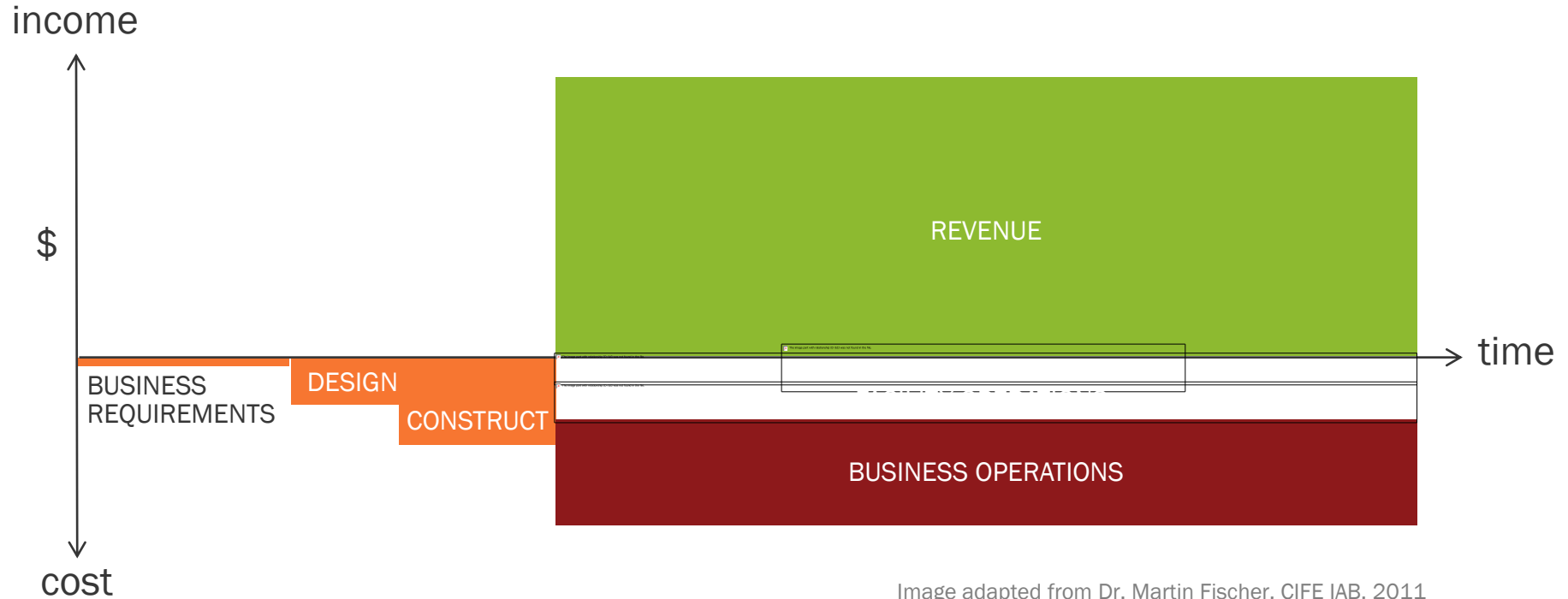


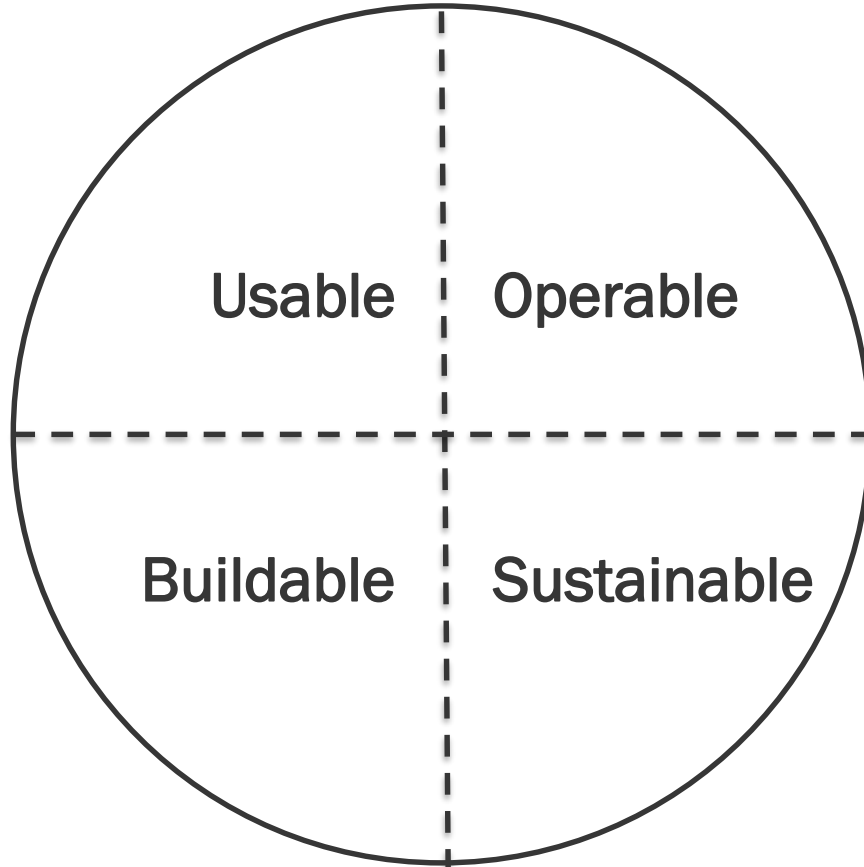
Image adapted from Dr. Martin Fischer, CIFE IAB, 2011

INTEGRATED SYSTEMS

Systems must be tightly integrated

A HIGH PERFORMING BUILDING

Safe
Functional
Light / open
Comfort
Aesthetics
Acoustics



Safety
Energy / water use
Building operations
Maintenance

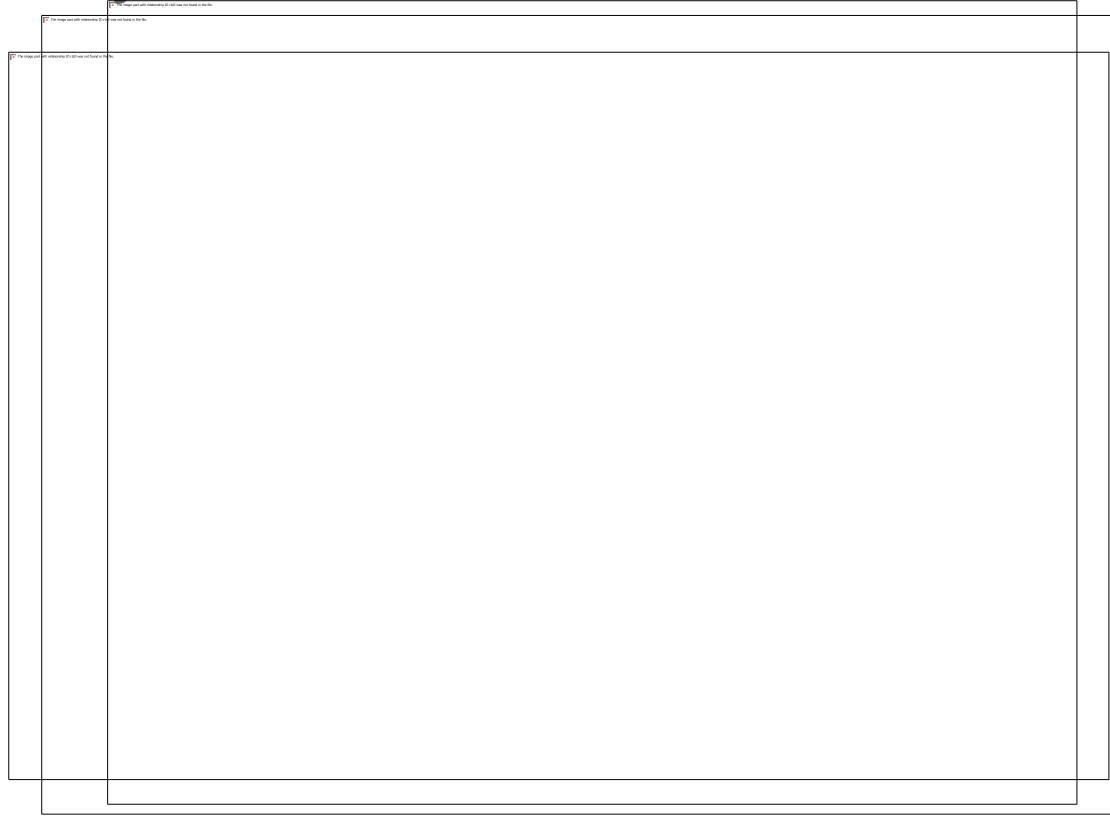
Safety
Schedule
Cost
Quality

Economic
Equitable
Environmental

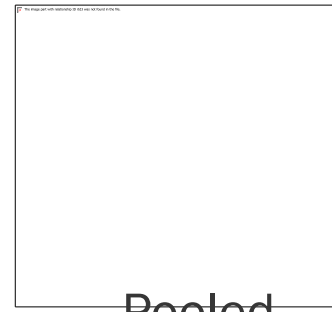
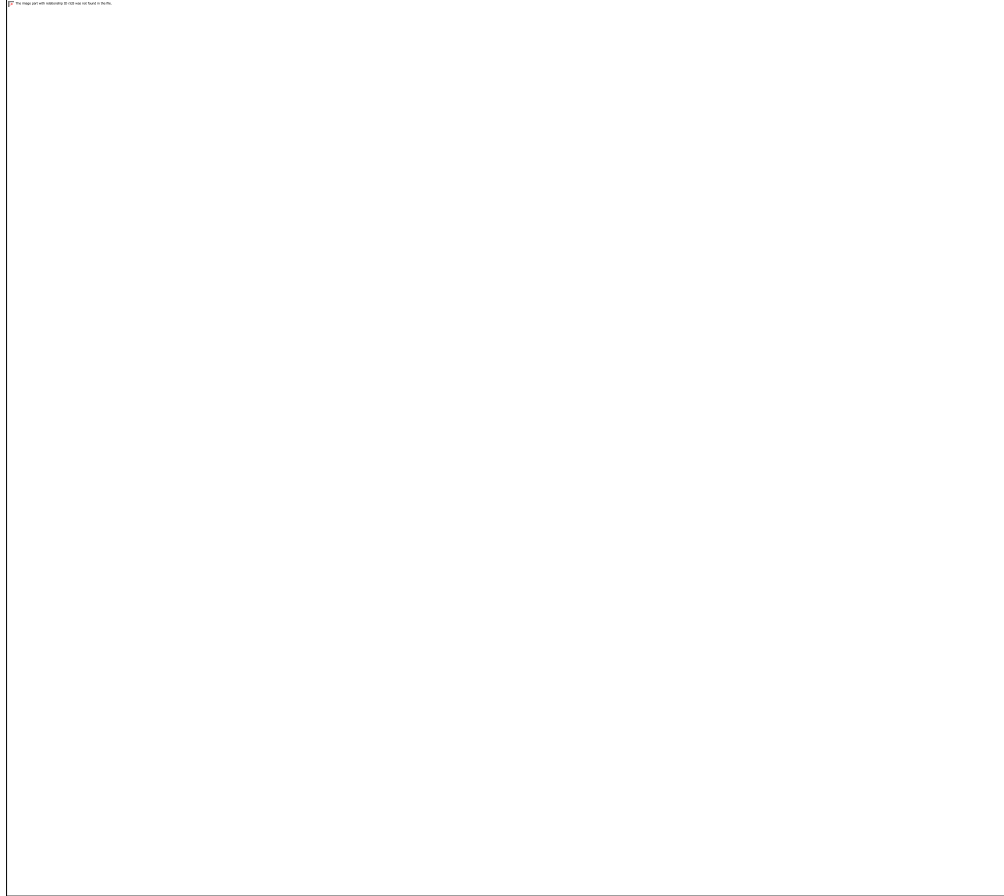
DYNAMIC COMPLEXITY

Design Information Pathways

A Massively Complex
Project



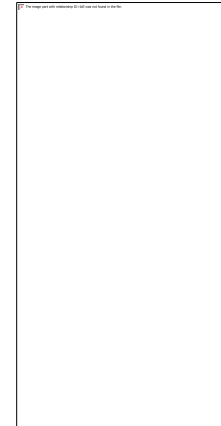
INTERDEPENDENCE



Pooled



Sequential



Reciprocal

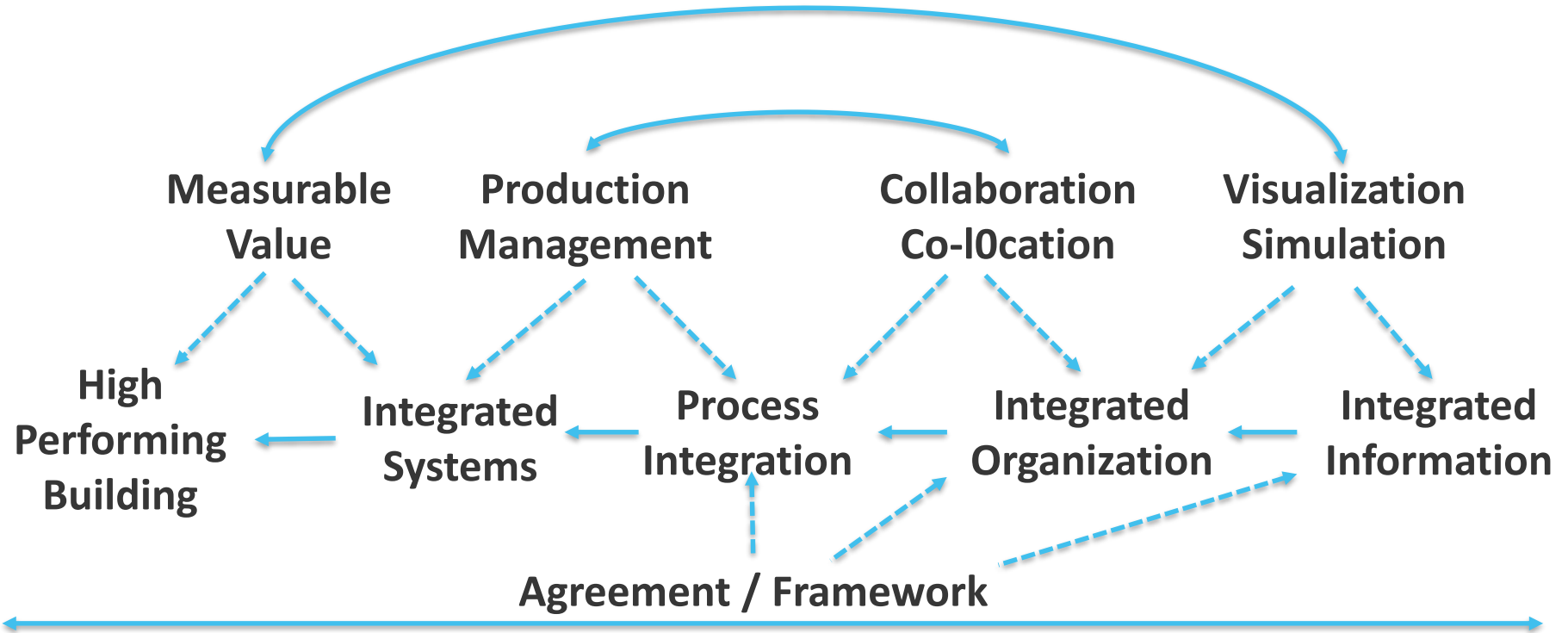
CREATING INTEGRATION

Published March 2017

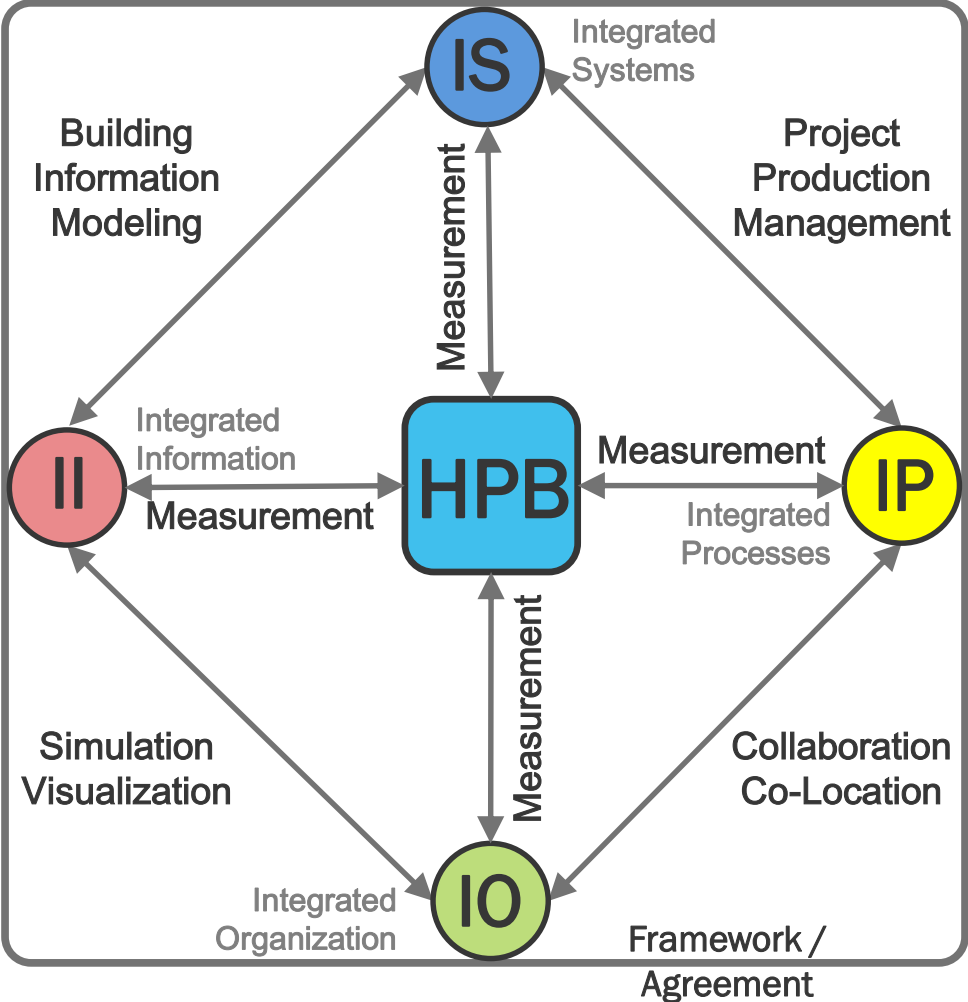
PROJECTS	EXAMPLES	FIGURES	FEATURES
50	123	189	33

THE SIMPLE FRAMEWORK

for Integrating Project Delivery



**EVERYTHING
IS
INTERCONNECTED**



**CAN YOU SEE THIS IN
IN YOUR OWN?**