

IPD case studies: what we know so far...

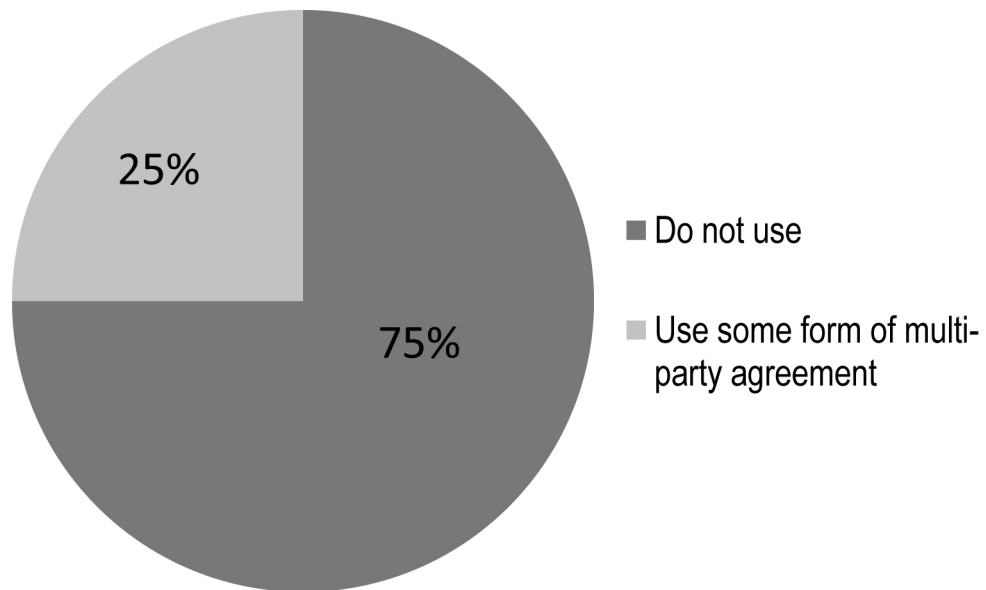
AIA/AIA-MN/University of Minnesota

Renée Cheng, Professor and Head of the School of Architecture, UMN
AGC IPD Lean Conference, September 23, 2011

General Survey

“In the last six months or the next two months, have you used or do you plan to use any of the following IPD agreements?”

Multi-Party Agreement Use



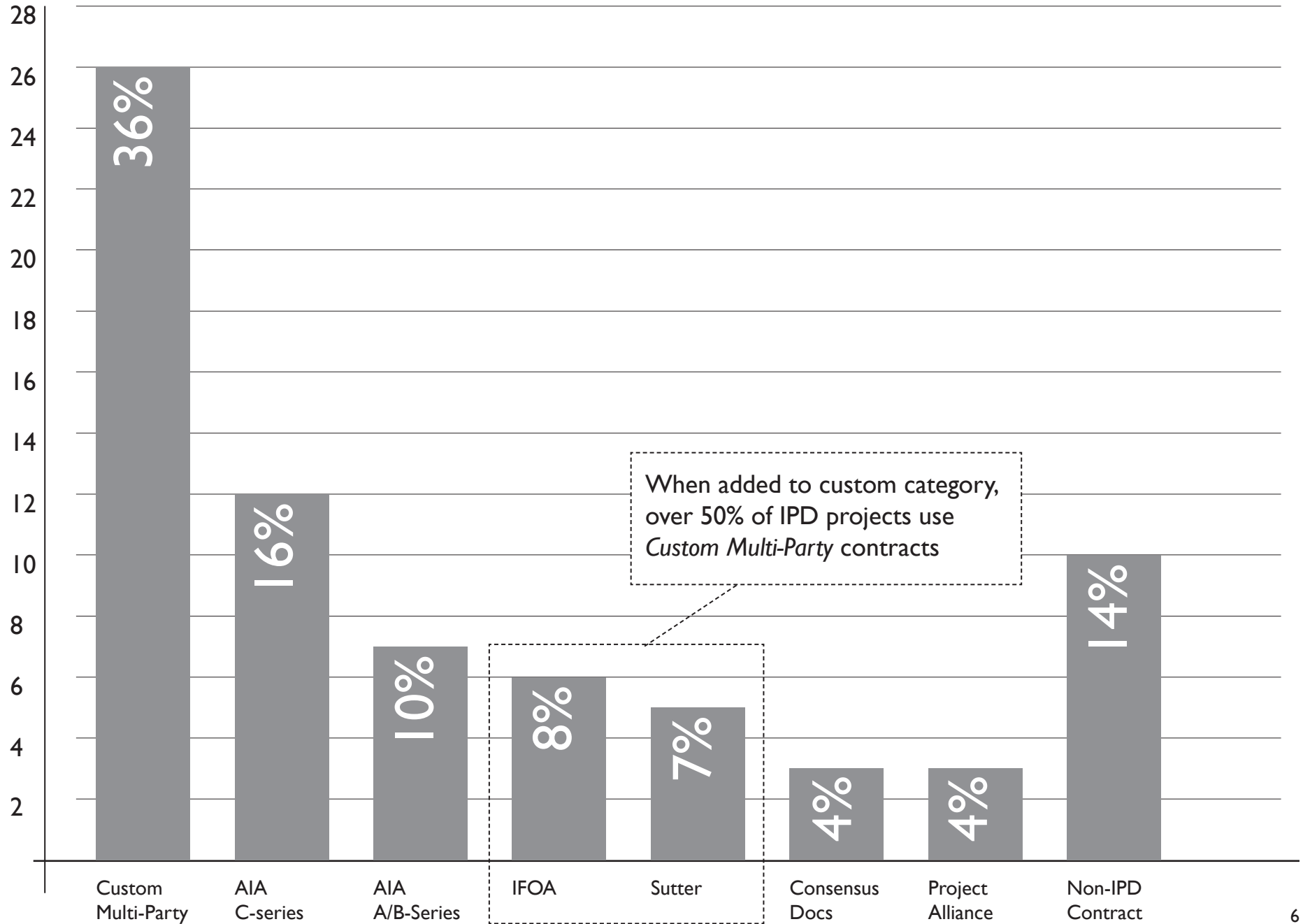
- **19,484** survey population of downloaders of IPD related papers from the AIA website
- **1,491** respondents
- 95% confidence level with +/- 2.4% margin of error

372 of the 1,491 respondents **are using or planning to use an IPD agreement** (AIAC191, AIAC195, AIA 295+, Other Multi-Party)

AIA 2010 IPD Contract Use Survey

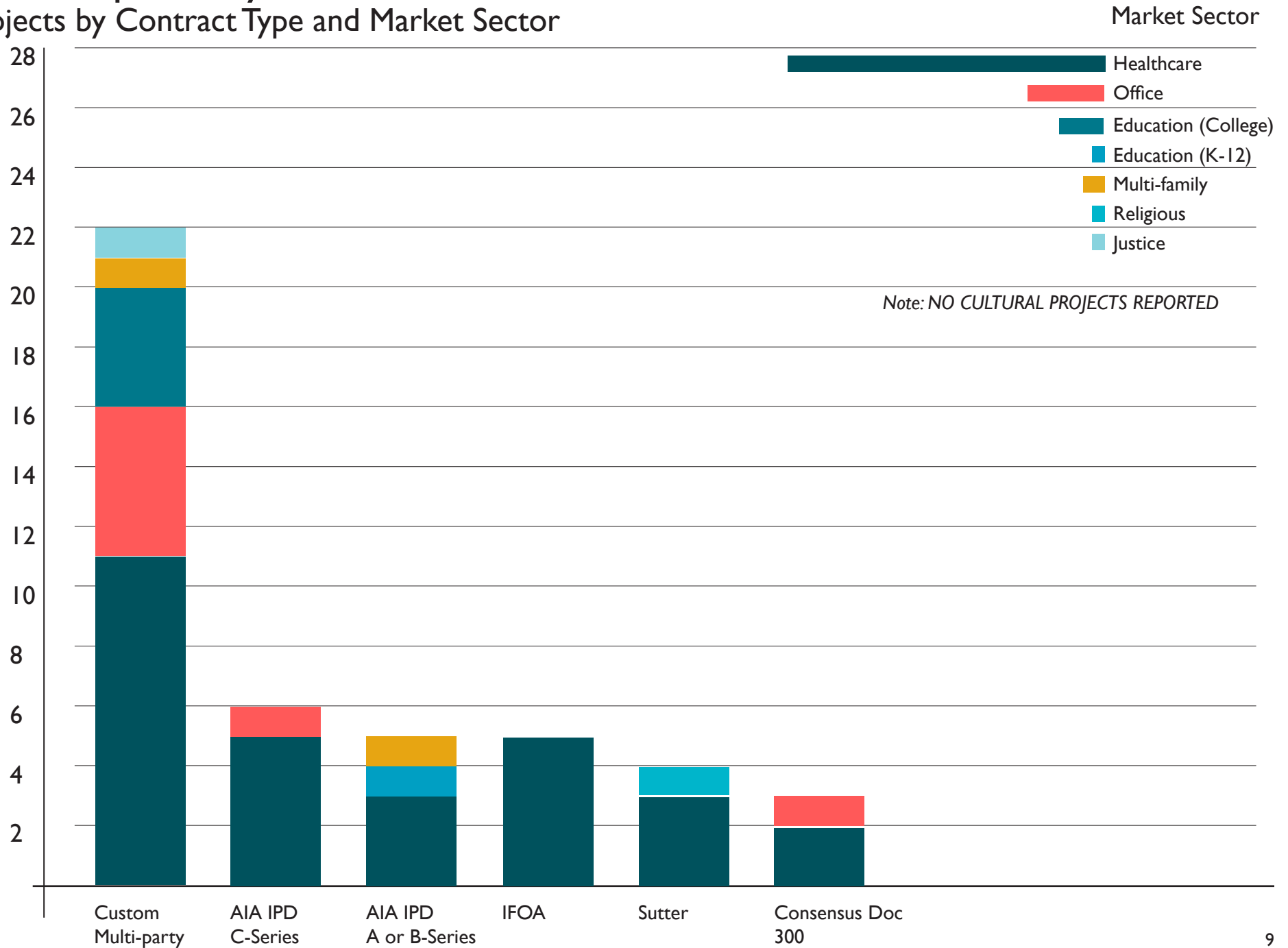
Follow-up Survey - 73 Responses

Projects by Contract Type



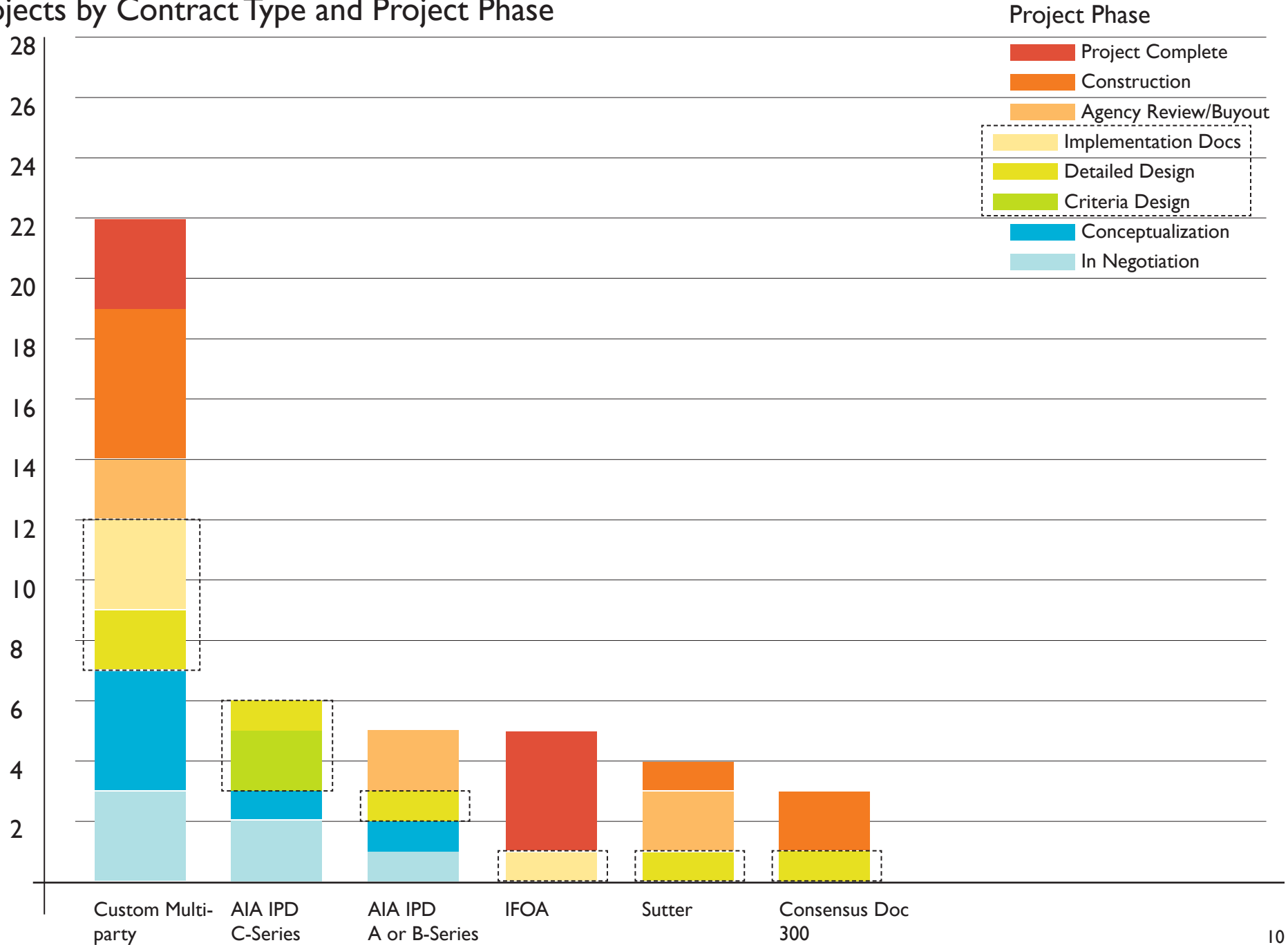
Follow-up Survey - FILTERED

Projects by Contract Type and Market Sector



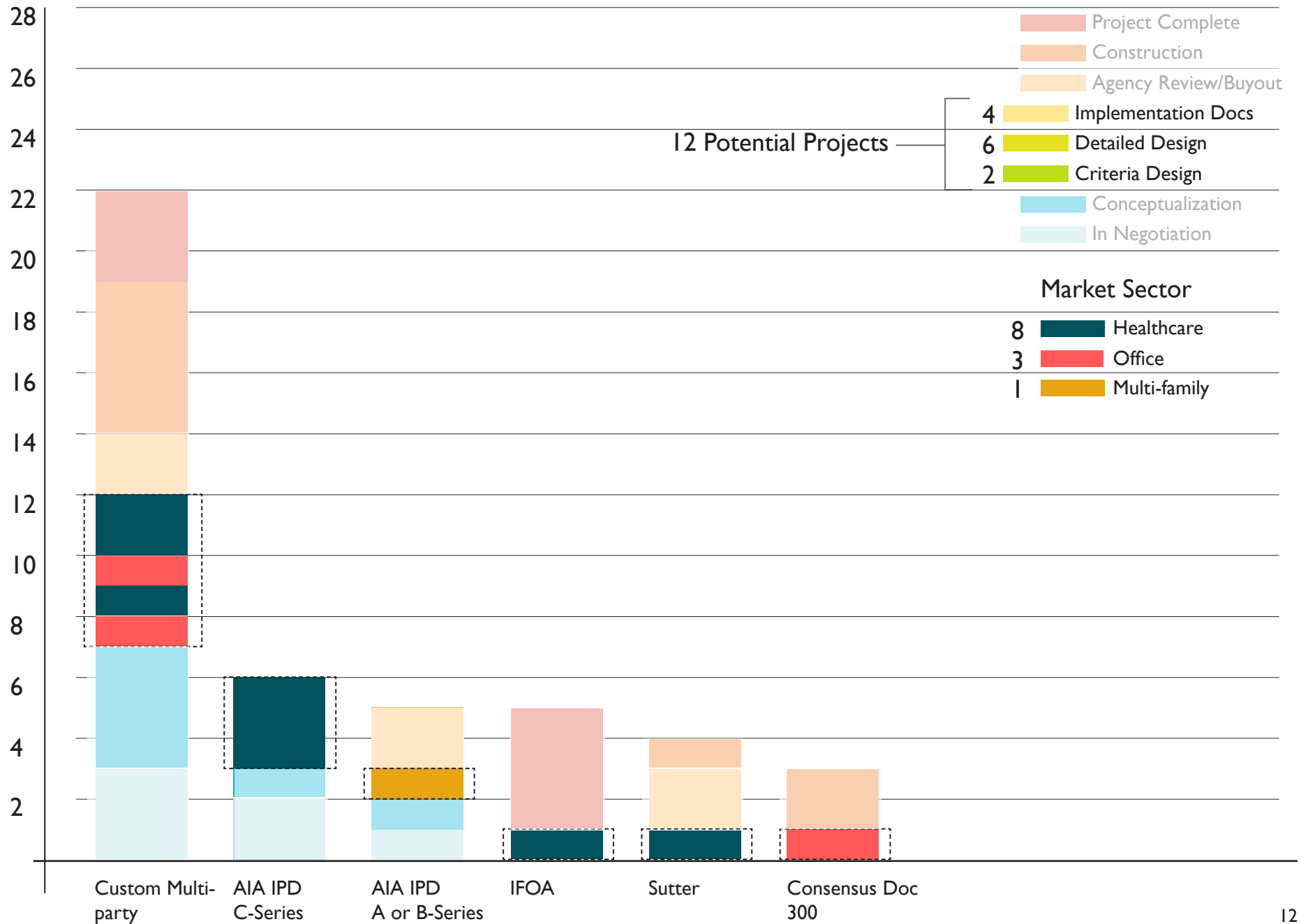
Follow-up Survey - FILTERED

Projects by Contract Type and Project Phase



Follow-up Survey - POTENTIAL PROJECTS

Projects by Contract Type and Project Phase *Market Sector Cross Section*



intentions for creating a matrix of IPD cases:

create a tool to learn about distinct aspects of ipd

compare and contrast across many dimensions

expansion to be a database

ability to profile yourself and find like profiles

IPD aspects (x-axis of the matrix):

legal and commercial strategies

management strategies

social strategies

environmental and technological strategies

IPD aspects (x-axis of the matrix):

legal and commercial strategies

contract

goals

risk/reward

liability

insurance

management strategies

social strategies

environmental and technological strategies

IPD aspects (x-axis of the matrix):

legal and commercial strategies

management strategies

leadership

firm selection

team selection

early planning

implementation

social strategies

environmental and technological strategies

IPD aspects (x-axis of the matrix):

legal and commercial strategies

management strategies

social strategies

early involvement

transparency

decision-making

culture

environmental and technological strategies

IPD aspects (x-axis of the matrix):

legal and commercial strategies

management strategies

social strategies

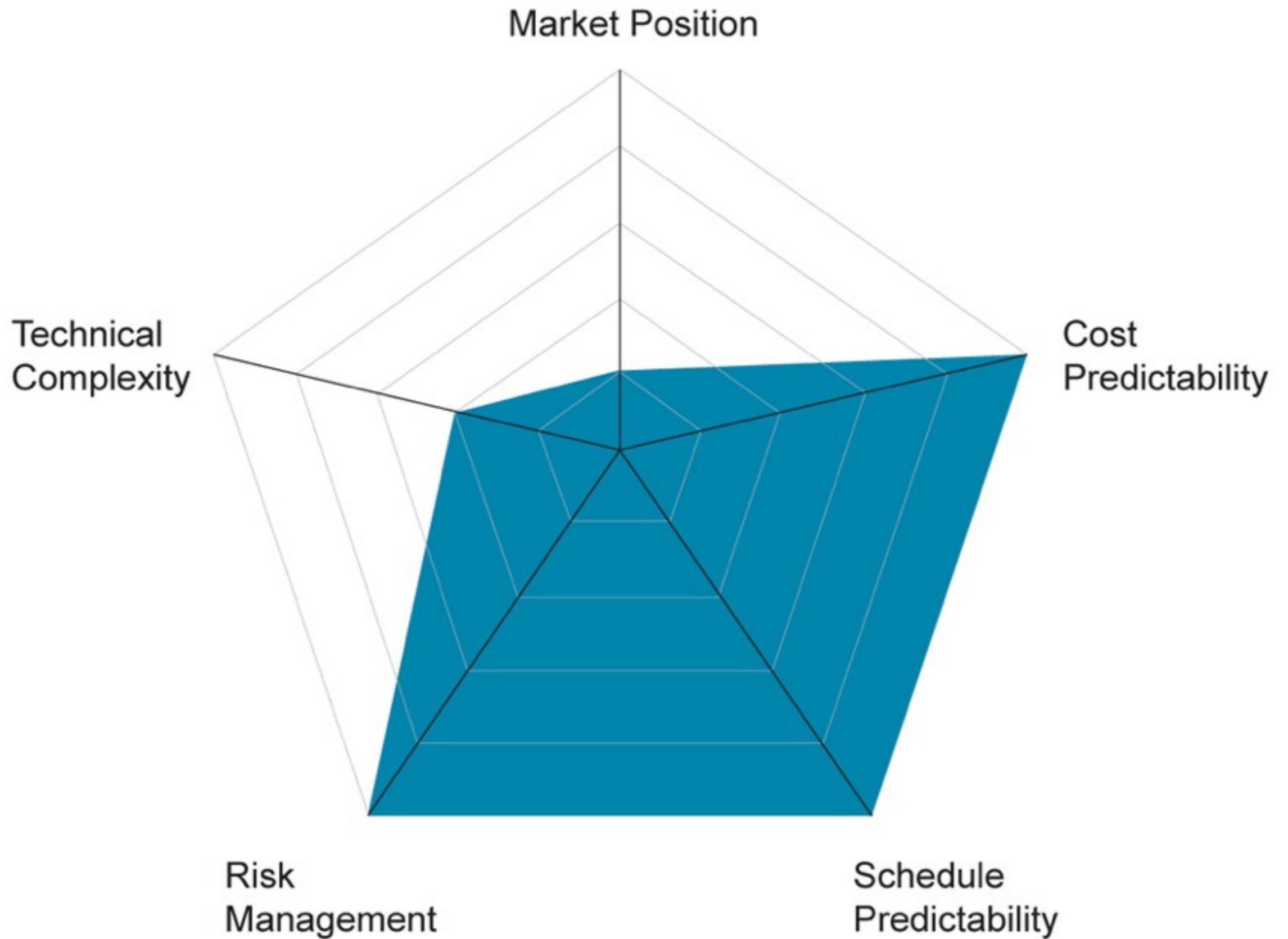
environmental and technological strategies

workplace

information sharing

BIM

IPD profiles (markers or motivations)



- **interactive pdf of ipd case studies inserted here**

intentions for creating a matrix of IPD cases:

create a tool to learn about distinct aspects of ipd
compare and contrast across many dimensions
expansion to be a database
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phase 2:

analysis of survey results to understand ipd in teams
establishing benchmarks to measure projects against
update AIA-CC cases to add to matrix

early observations on IPD:

as an industry-

- ipd vs ipd-ish: is this a helpful distinction?
- culture is pervasive, cultural change is slow

for our study-

- penetration of ipd principles varies by team
- cost/schedule predictability appears to be good
- due to: ipd? lean plus bim? lean plus bim plus ipd?

its too early to draw conclusions on IPD:

as an industry-
not enough examples
wide variety among examples

for our study-
small sample size
projects chosen to be active, not yet complete

<aia.org/ipdcasestudies2011>

**fill in market sector information and
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