



***Leveraging technology to improve the efficiency  
and effectiveness of partnership with CROs***

**PRISME 17<sup>th</sup> Oct 2012**

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# Presentation this session

## *Leveraging technology to improve the efficiency and effectiveness of partnership with CROs*

Given the continued growth in outsourcing arrangements, this session will provide an overview of how one CRO is working to make their Labs an integrated extension of the customers R&D capability, developing and sharing technologies that in the past would have been proprietary for internal use only. Will also initiate a conversation on opportunities to standardize information and processes for the benefit of Sponsors and CROs

# The Evolution of Charles River

To share an appropriate infrastructure has to be built

## Matrix Organization

- Eliminate Internal Competition
- Improved Collaboration
- Build Effective Teams
- Accountability

## Optimization

- Harmonization & Efficiencies
  - Six Sigma
  - Automation
- Project Management
- Harmonized Sales, HR, Finance, Web

## One CRO 2012

- Optimized Process & Systems
  - Products, Discovery, BPS, Toxicology & Lab Systems
- Real-Time Data Access.
- Accelerated Reporting
- World Class Electronic Collaboration

2008

2009

2010

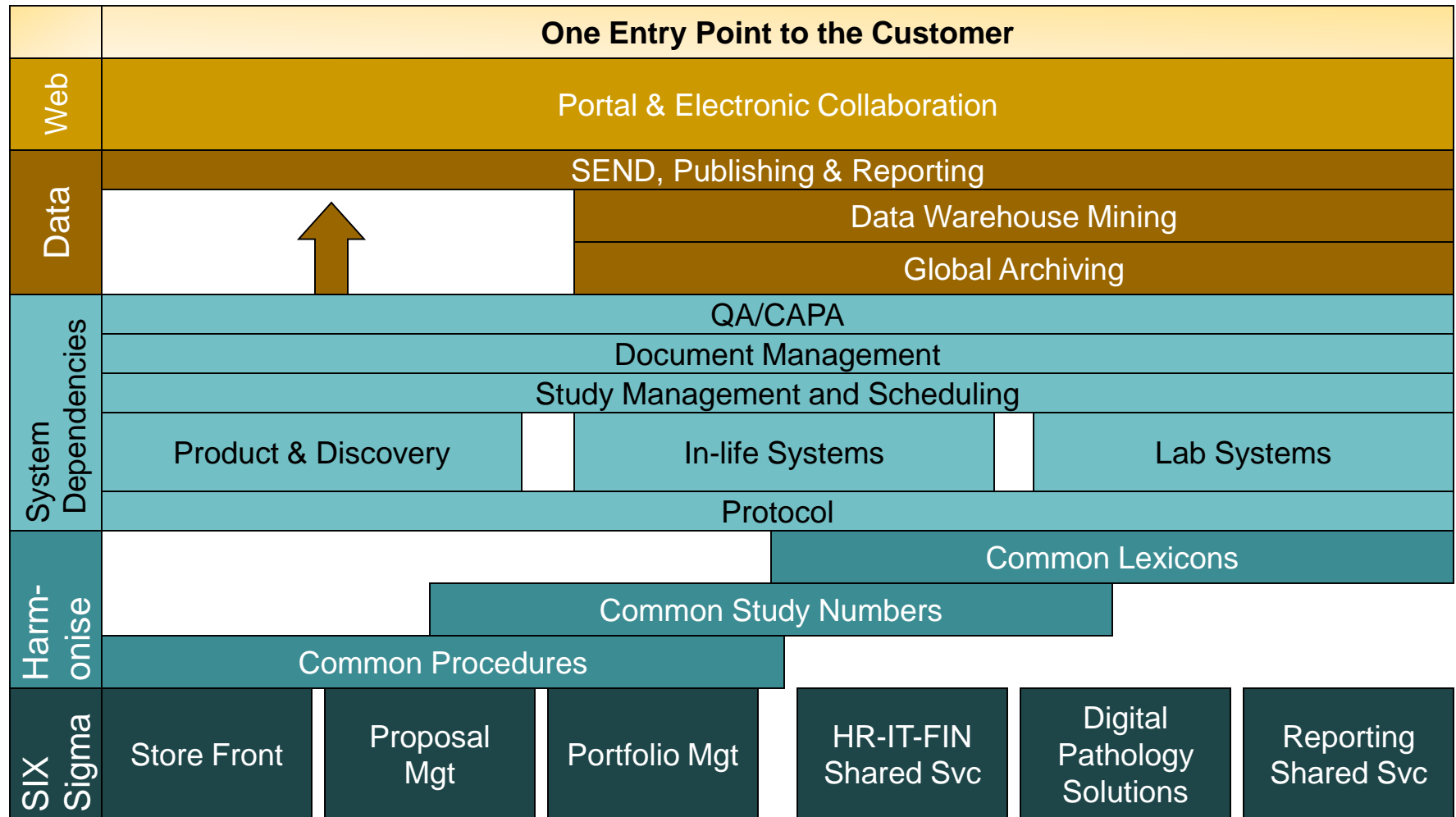
2011

2012

2013

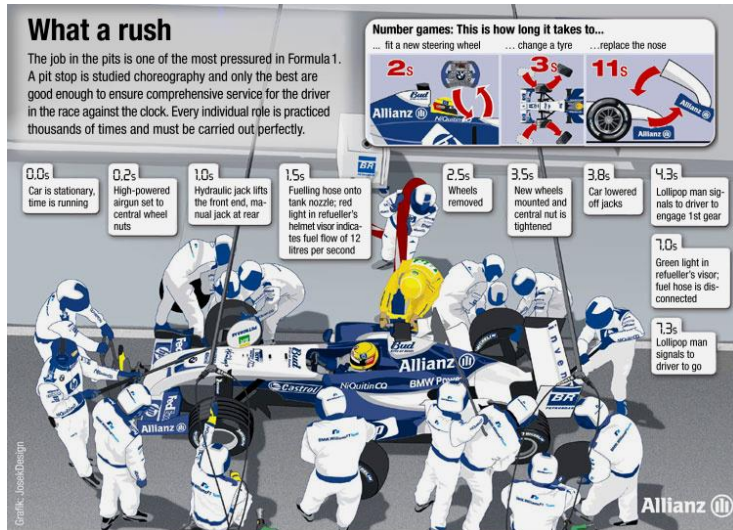
# The Charles River Architecture

The integrated set of technology solutions to provision to the customer



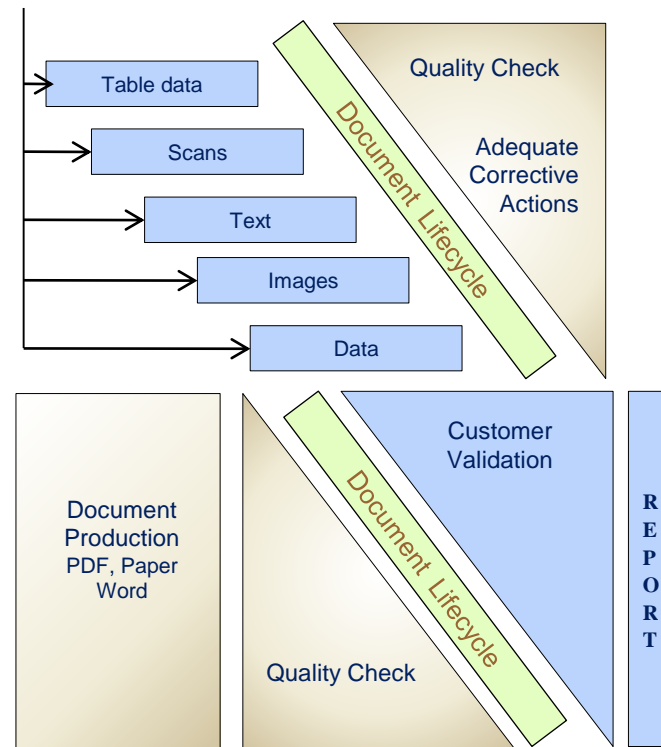
# “Best in Class” Data Deliverables: where we will be in 2012

*Customers want access to data faster in PCS and Discovery*



In the 60's a Formula 1 Pitstop took on average 5-6 Minutes to service a racing car. Now with technology and specialization it is less than 8 Seconds.

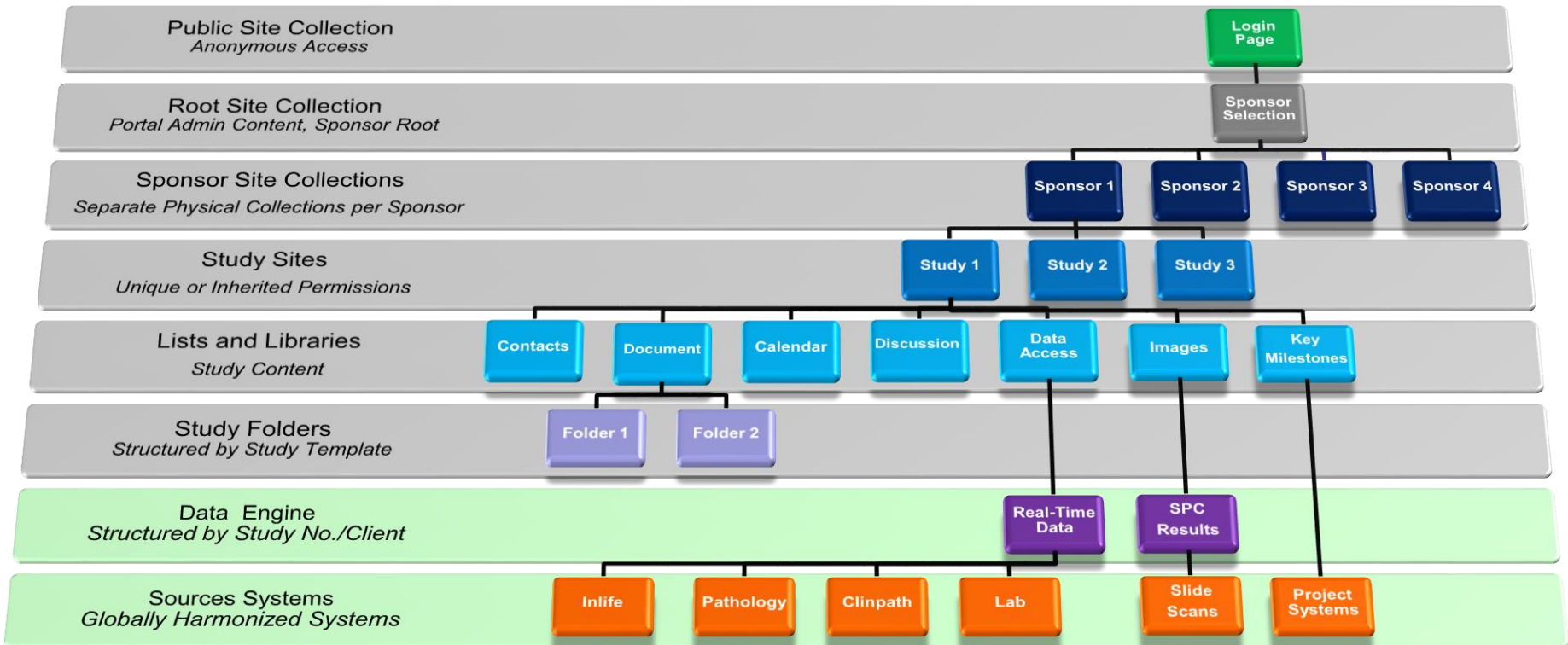
## Study



For data deliverables we are applying some of the same disciplines to achieve a significant reduction in timelines

# The Interface to Charles River

## Real Time Study Data Access



# Charles River Data Access

Provision all in a commonly used exchange medium eliminate proprietary

Site Actions Browse Page Kennedy, Scot

charles river 000001 Study Data  
accelerating drug development. exactly.

My Dashboard Support Contact Us Search this site... ?

Data File: 000001 Data Title: Carc study Test Item: TI0001

File Open in Excel Data

Group	Gender	Subject	Day -007	Day 000	Day 007	Day 014	Day 021	Day 028	Day 035	Day 042	Day 049
		1	96.2	140.4	184.4	208	254	286	317.7	344.8	362
		2	91.9	134.7	172.7	190.8	234.1	261.8	280.6	304.3	319
		3	102.5	145.8	189.1	209.6	248.4	264.8	291	307.4	324
		4	104.1	150.9	191.9	200.1	243.1	262.5	299.1	315.3	328
		5	113.2	156.5	188.4	229.1	262.9	291.4	286	323.2	339
		6	96.4	133.5	166.5	198.1	221.6	248	260.5	280.1	296
		7	117.4	163.4	201.4	224.5	261.2	286.2	296.8	325.7	335
		8	110.8	159.1	200.5	222.4	264.4	292.8	283.1	325.2	343
		9	119.2	163.3	204.8	221.4	264.7	271.7	276.2	315.6	328
		10	98.7	140.8	181.4	205	243.5	250	265.2	298.8	313
		11	100.2	139.7	184.4	211.4	249.1	267.4	274.7	311	326
		12	96.8	134.7	169	199.4	233.6	249.7	263.6	299.3	314
		13	117.5	159.9	203.9	244.5	271.4	295.8	313.4	333.4	344
		14	97.9	143.7	188.3	232.5	265.4	289.6	307.1	323.6	331
		15	125	167	213.4	252.3	281.7	306.4	325.8	342	356
		16	92.9	127.7	162.7	202.1	230.7	251.8	272	284.7	298
		17	118.2	159.4	201	238	273.7	290.8	316.3	336.2	349
		18	93.9	125.4	169.4	221.7	260.8	286.1	314.7	344.3	358
		19	104.4	140.9	182.4	223.6	255.7	272.2	305.1	329.9	345
		20	93.3	138.2	180.1	229.7	269.6	293.3	326.1	360.6	374
		21	108.1	145.5	186	218.5	253.3	286.9	295.3	329.3	355
		22	104.8	127	162.1	176.8	190.8	203.4	206.3	215.3	2
		23	100.1	139.4	178.3	201	240.4	266.5	277.7	306.1	315
		24	82.5	120.5	158.8	180	218.4	244.6	257.3	280.9	295
		25	116	162.6	203.1	227	260.4	286.5	288.9	319.8	3
		26	96.6	136.2	176.1	194.6	232.5	261	257.4	283.3	302
		27	111.6	148.1	186.2	209.2	243.5	264.5	281.2	309.4	323
		28	88.7	133.7	171.2	196.4	235	261.1	263.5	298.2	3
		29	100.8	147.5	192	217.9	245.4	263.5	278.8	293.2	305

Body Weights Clinical Chemistry Food Consumed Food Utilisation Haematology Motion Activity Neurotox Organ Weights Urinalysis



# How does this benefit the customer

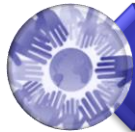
In the past Customer would get a product delivery, report and/or convoluted exports



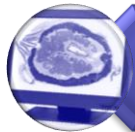
Early access to unaudited scientific data collected at source online/offline



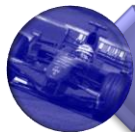
Access to milestone information



Collaborative use of Data collection systems



Online Digital Pathology Review



Accelerated Data & Reporting



Access to shared Documentation



# Opportunities for the Near Future

Standardize information and processes for the benefit of Sponsors and CROs



Client Lexicon Translation

Interactive Protocol Development

Intelligent RFID at Source

Warehouse Interfacing

EDI/Internet Storefront