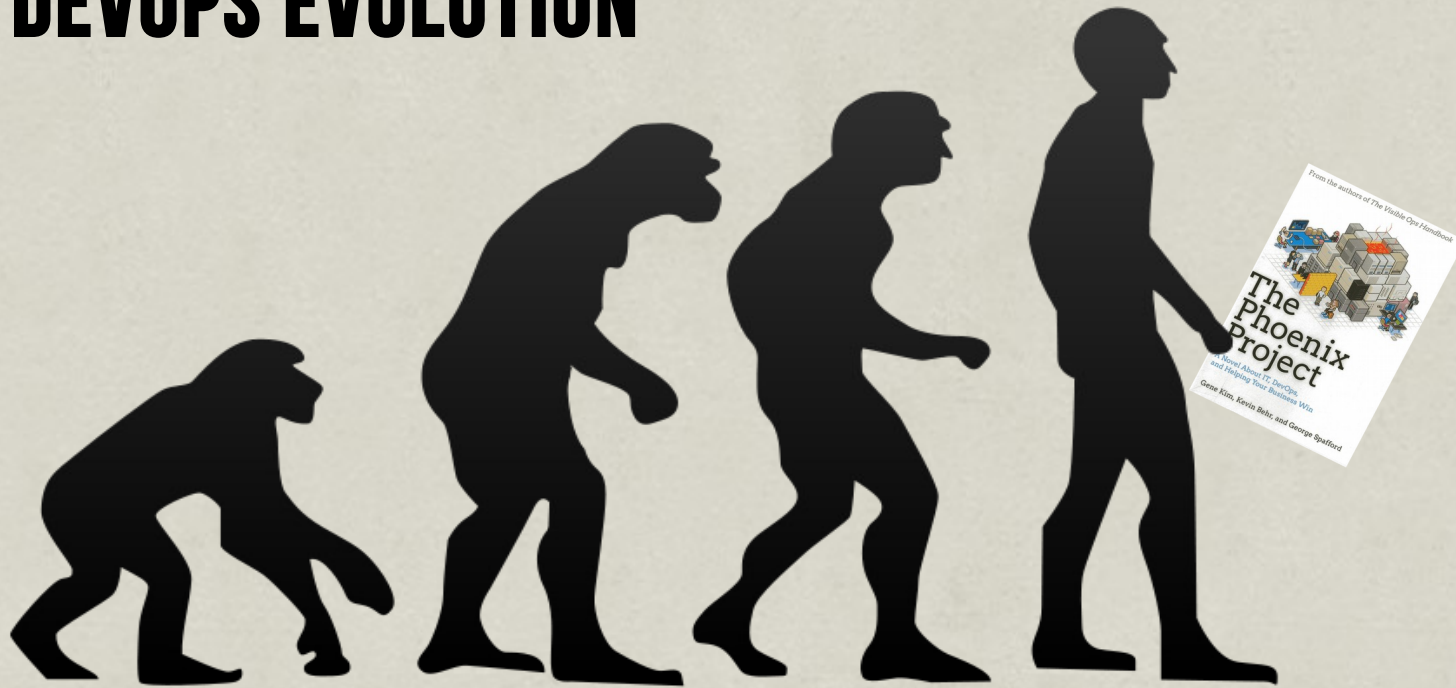


# LEEDS DEVOPS

## DEVOPS EVOLUTION



**AGILE YORKSHIRE - MAY 12TH 2015**

# EYUP

- **BY DAY**
- **@ANDYBURGIN**
- **SENIOR DEVOP ENGINEER AT SKYBET**
- **BY NIGHT**
- **@LEEDSDEVOPS**

# TONIGHT

- **DEVOPS AND HISTORY**
- **AGILE AND CAMS**
- **ENTERPRISE EVOLUTION**
- **DEVOPSDAYS PARIS 2015**
- **SHAMELESS PROMOTION**



# SOME MADE UP WORDS

- **PROBLEM SPHERE**
- **OPTIONEERING**
- **SOLUTIONISING**
- **SCALAGILITY**



# THE DEVOPS PROBLEM SPHERE

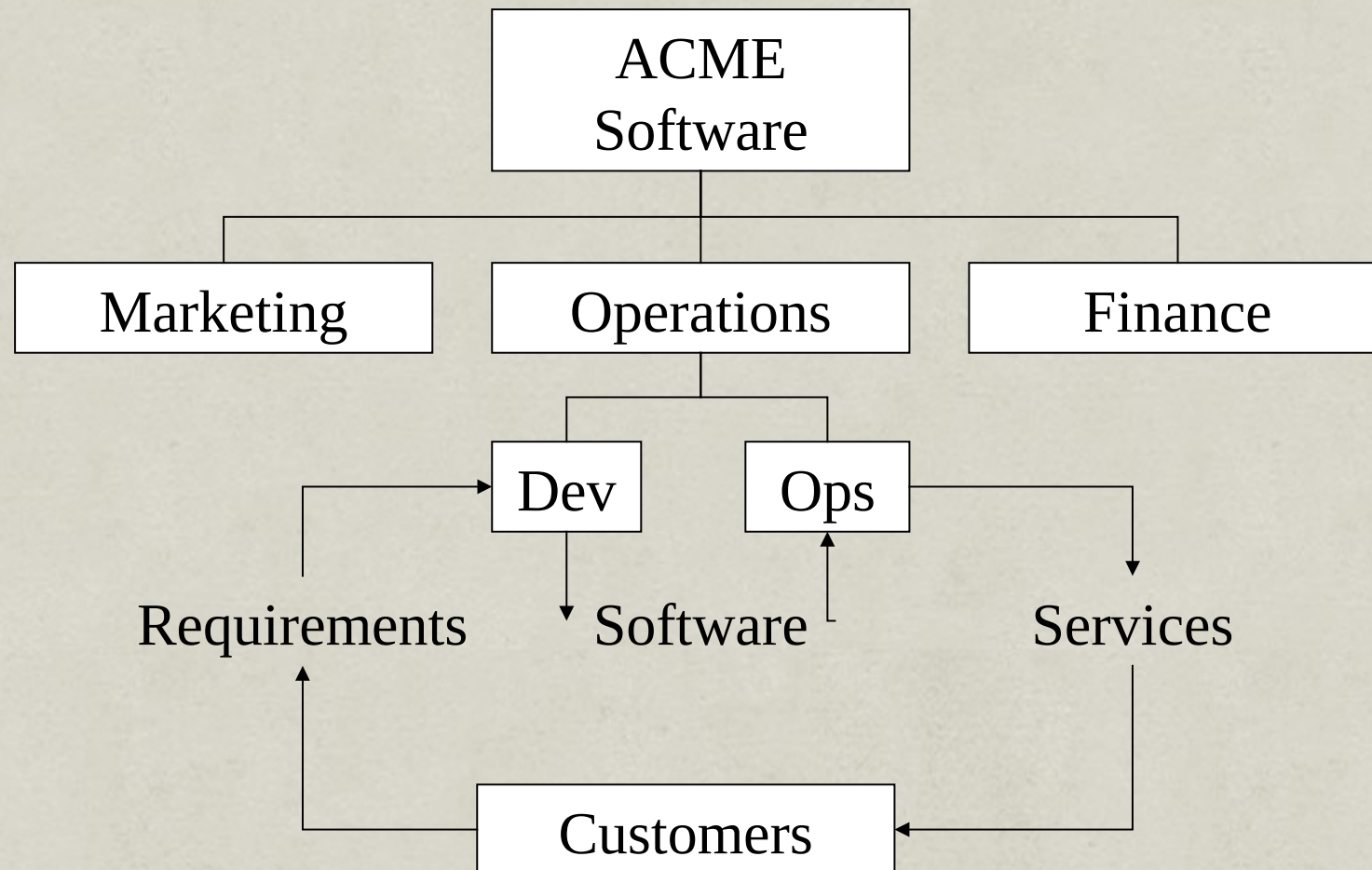
- **DEV - MAKE CODE**
- **OPS - KEEP CODE RUNINNG**



W  
A  
L  
L



# FEATURE FLOW

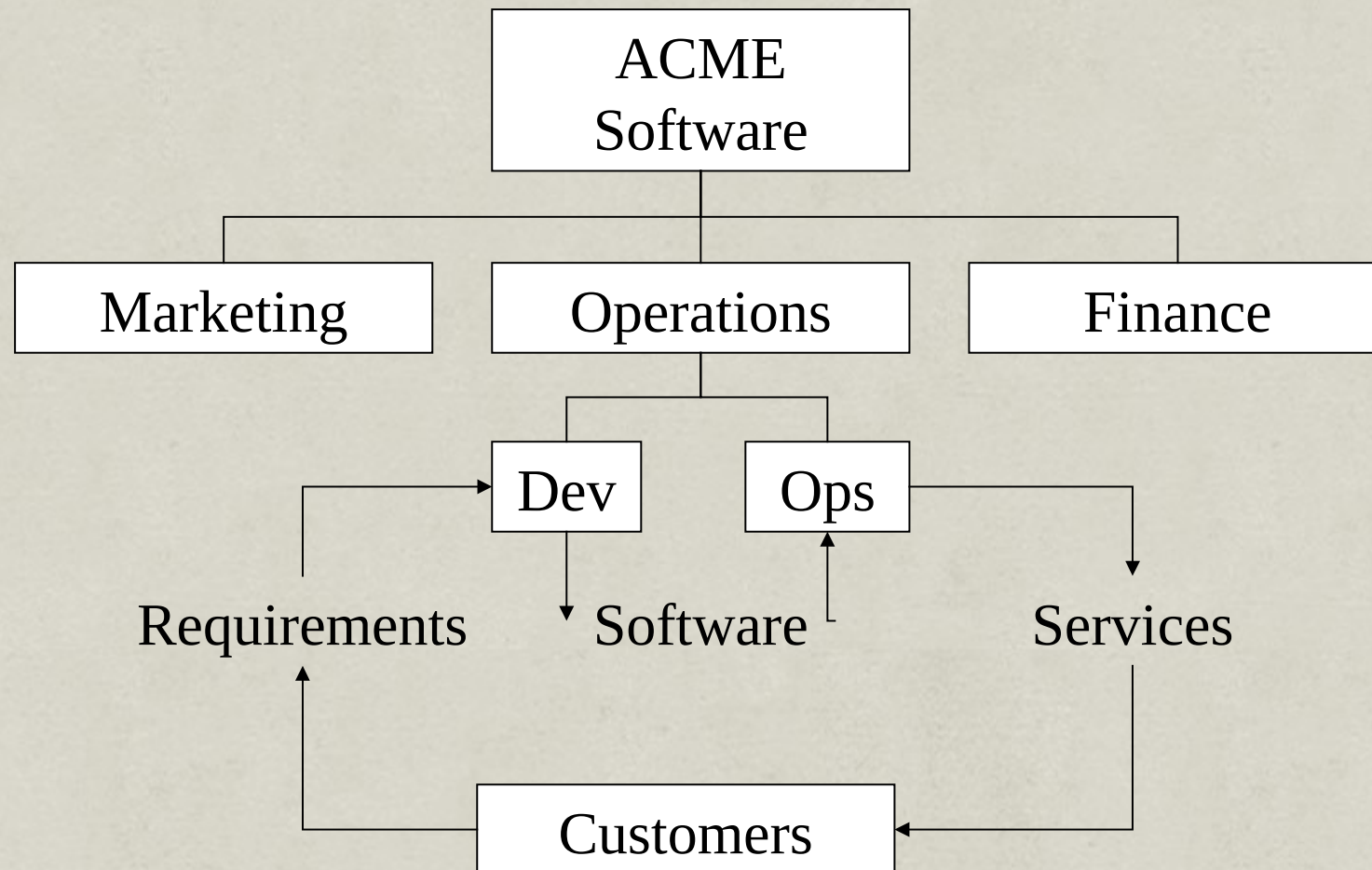




# HISTORY...

- **2008 AGILE CONFERENCE**
- **23/06/2009 - FLICKR @ VELOCITY CONFERENCE**
- **30/10/2009 - DEVOPSDAYS**
- **18/02/2011 - GARTNER TALK ABOUT IT**
- **2014 - STATE OF DEVOPS**

# OPTIONEERING - BOTTLENECKS





# LEARNING FROM THE PAST

- **HOW DO WE REMOVE THE BOTTLENECK**
- **MANUFACTURING HAD ALL THESE PROBLEMS  
100 YEARS AGO**
- **OPERATIONS MANAGEMENT**
- **SYSTEMS THINKING**
- **THEORY OF CONSTRAINTS**
- **TOYOTA PRODUCTION SYSTEM**

# LEAN

- **MUDA - NON VALUE WASTE**
- **KAIZEN - CONTINUOUS IMPROVEMENT**
- **JIDOKA - AUTOMATION**
- **POLKA YOKE - MISTAKE PROOF**
- **5S - SORTING, SIMPLIFYING, SWEEPING, STANDARDISING & SUSTAINING**
- **5 WHY**
- **KANBAN - JUST IN TIME**

# SOLUTIONISING

**IN A DEVOPS ENVIRONMENT, DEVELOPERS AND SYSADMINS BUILD RELATIONSHIPS, PROCESSES, AND TOOLS THAT ALLOW THEM TO BETTER INTERACT AND ULTIMATELY BETTER SERVICE THE CUSTOMER.**



# YE ODE CAMS...

- **CULTURE**
- **AUTOMATION**
- **MEASUREMENT**
- **SHARING**

# **CAMS - CULTURE**

- **COMMUNICATING & WORKING TOGETHER**
- **EXCHANGE IDEAS**
- **PRIDE IN WORKMANSHIP**
- **SHARED RESPONSIBILITIES**
- **VALUE EACH OTHERS ROLES**
- **FUN**

# CAMS - CULTURE NEXT GEN

- ~~HR POLICY~~
- **VALUE STREAM MAPPING - ARTIFACT/INFO FLOW**
- **KANBAN - EMPOWERMENT/WIP LIMITS**
- **EMBED ENGINEERS**
- **PEERING - PULL REQUESTS**
- **HACK DAYS - E.G. CASSANDRA**
- **FUN! - SEE A STARTUP, MAKES A BUZZ**



# **CAMS - MEASUREMENT**

- **MEASURE EVERYTHING**
- **METRICS - SYSTEMS**
- **METRICS - APPLICATION**
- **METRICS - PRODUCTIVITY**
- **DASHBOARDS**

# **CAMS - MEASUREMENT NEXT GEN**

- **LEAD TIMES - PRECITBABILITY**
- **MTTD - HOW LONG DOES IT TAKE TO SPOT AN ISSUE**
- **MTTR - HOW LONG TO FIX AND REPAIR**

# **CAMS - AUTOMATION**

- **VERSION CONTROL**
- **CONTINUOUS INTEGRATION**
- **AUTOMATED TESTING**
- **AUTOMATED DEPLOYMENT**
- **CONTINUOUS DEPLOYMENT**
- **BUILD PIPELINE EFFICIENCIES**
- **ORCHESTRATION - REPEATABILITY**



# **CAMS - SHARING**

- **DON'T HIDE MEASUREMENTS**
- **EVANGELISE ABOUT TOOLS**
- **MENTORING**
- **SKILLS EXCHANGE**
- **OPEN SOURCE**
- **RESOURCES - LEARN**
- **LEEDSDEVOPS**

# SCALABILITY

- **SO WE HAVE A BEER AND HUG ?**
- **THAT WON'T WORK IN THE ENTERPRISE**
- **MUCH HARDER TO IMPLEMENT**
- **BUT IT WORKS...**

# STATE OF DEVOPS 2014 SURVEY

- **HIGH PERFORMING IT ORGS ARE MORE RELIABLE**
  - **2 X THE CHANGE SUCCESS RATE**
  - **12 X FASTER MEAN TIME TO RECOVERY**
- **FIRMS WITH HIGH PERFORMING IT ORGS ARE WINNING**
  - **2 X MORE LIKELY TO EXCEED PROFITABILITY, MARKET SHARE AND PRODUCTIVITY GOALS**
  - **50 % HIGHER MARKET CAPITALISATION GROWTH OVER 3 YEARS**
- **9200 RESPONDENTS, 110 COUNTRIES, VARIOUS SIZES**

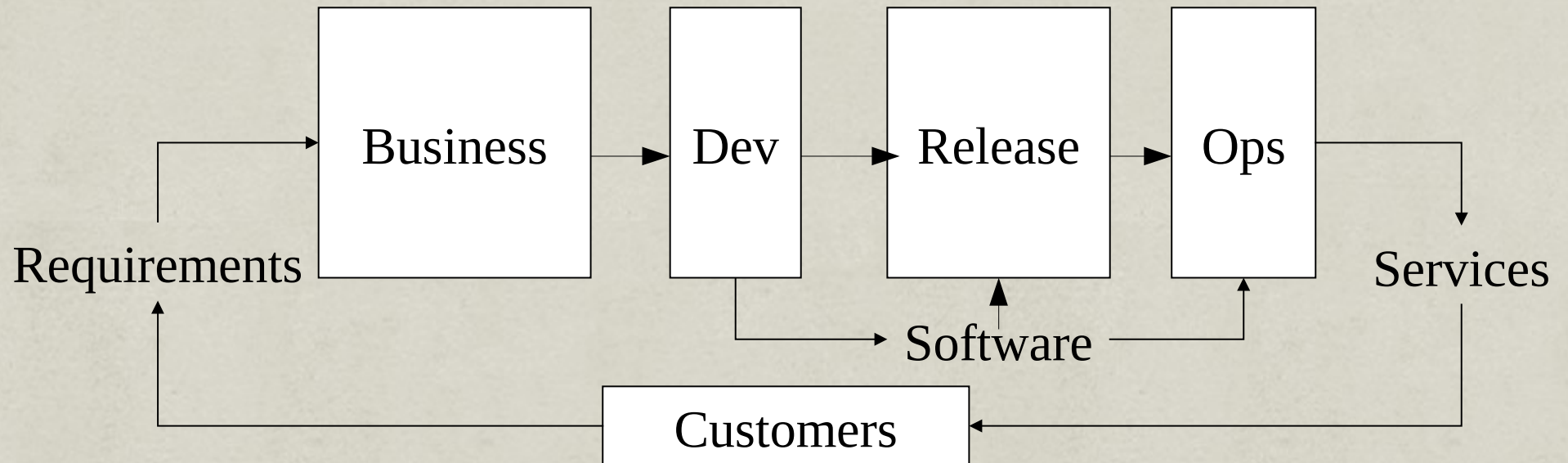


# ENTERPRISE PROBLEM SPHERE

**BUSINESS  
OBJECTIVES**

**APPLICATION  
KNOWLEDGE**

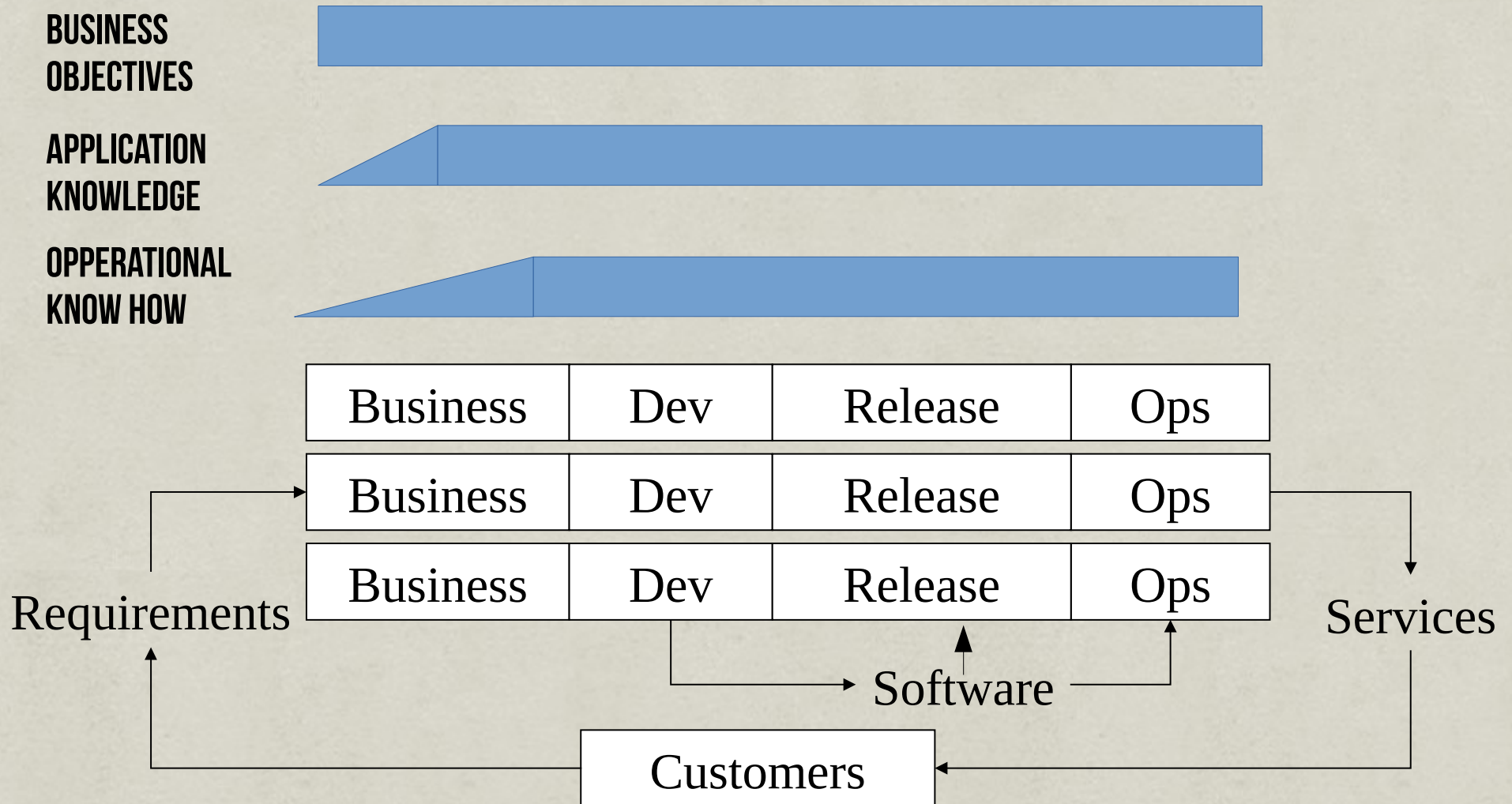
**OPPERATIONAL  
KNOW HOW**



# ENTERPRISE DEVOPS

- **SMASH SILOS**
- **HAND OFFS - THROUGHPUT AND QUALITY SUFFER**
- **CONWAYS LAW**
- **CROSS FUNCTIONAL/FEATURE TEAMS - OWNERSHIP/ACCOUNTABILITY**

# CROSS FUNCTIONAL TEAMS





# DEVOPS DAYS PARIS 2015

- **VERY MUCH COMMUNITY FOCUSED (WITH SPONSORS)**
- **FORKED AGILE CONF**
- **AM - SPEAKERS**
- **PM - IGNITES + OPENSACES**

# DEVOPSDAYS PARIS 2015

- **SEEMED LIKE A GOOD IDEA AT THE TIME**




- **“HOW TO MAKE A KICKASS DEVOPS MEETUP GROUP FOR 20€”**



# DEVOPSDAYS PARIS 2015

- **YOU GOT A MENTION...**

## GREAT TECH SCENE, BUT NO MINI DEVOPS DAYS



FOREFRONT	LEEDS SHARP
HEYSTAC	LEEDS JS
AGILE YORKSHIRE	WORDPRESS LEEDS
LEEDSPHP	CODE DOJO
DRUPAL YORKSHIRE	CODE AND COFFEE
LEEDSAWS	LEAN STARTUP YORKSHIRE
LEEDS RUBY THING	MANY MORE...
LEEDS DATA THING	



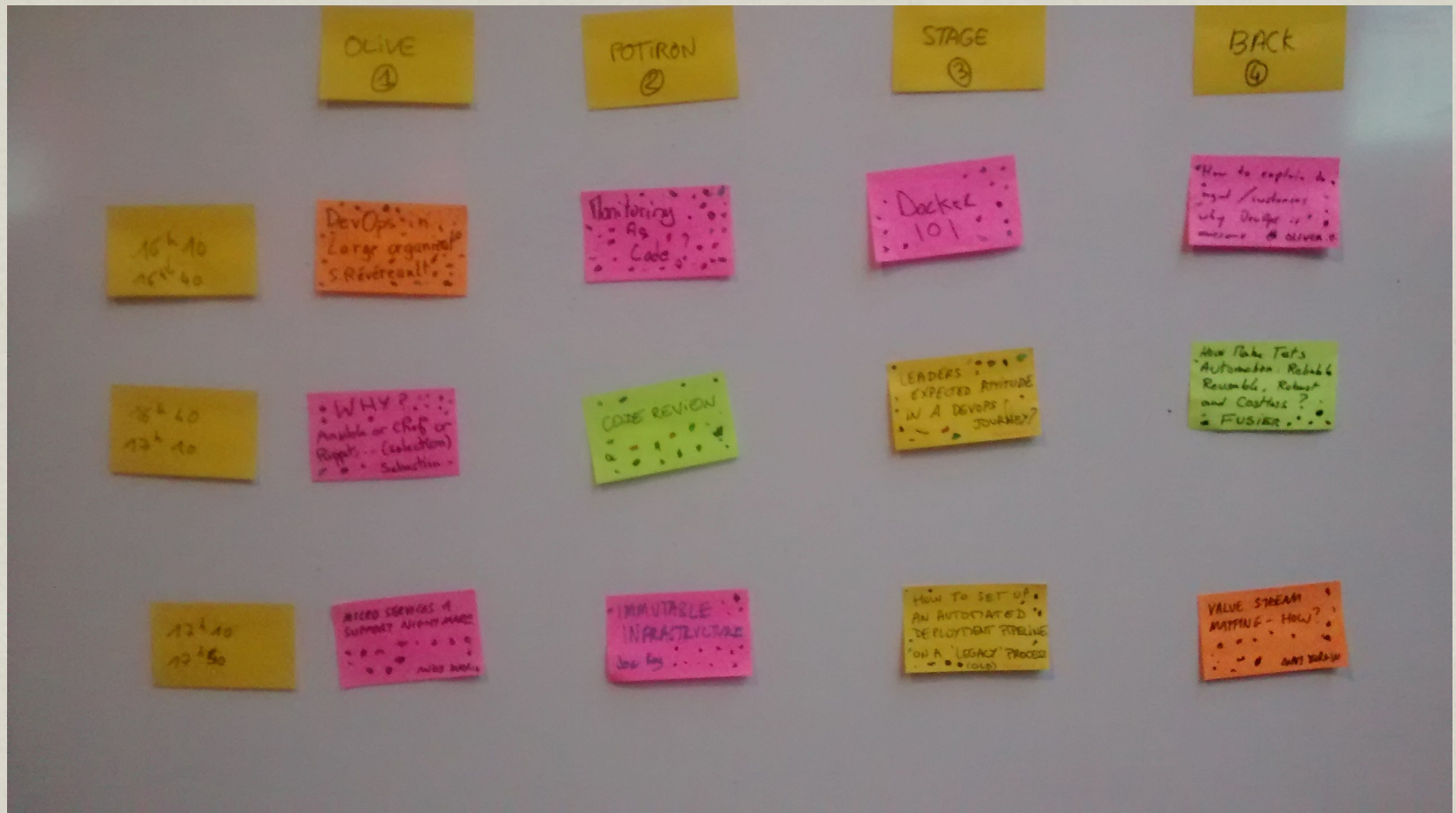
- **“YORKSHIRE AND AGILE ?”**



# DEVOPSDAYS PARIS 2015

- **KEYNOTE: CONTAINERS, GERMS, AND MICROSERVICES  
- JOHN WILLIS**
- **WHAT HAPPENS WITHOUT TRACTION - STEVE PEREIRA**
- **THE IMPORTANCE OF WHY IN DEVOPS - BORIS FELD**
- **BIZDEVOPS — FROM DEVELOPMENT TO THE  
CUSTOMER - SABINE BERNECKER-BENDIXEN**
- **DEVOPS CULTURE AT BLABLACAR - KEEP CAMS AND  
GROW - REGIS ALLEGRE & NICOLAS BLANC**

# DEVOPSDAYS PARIS 2015

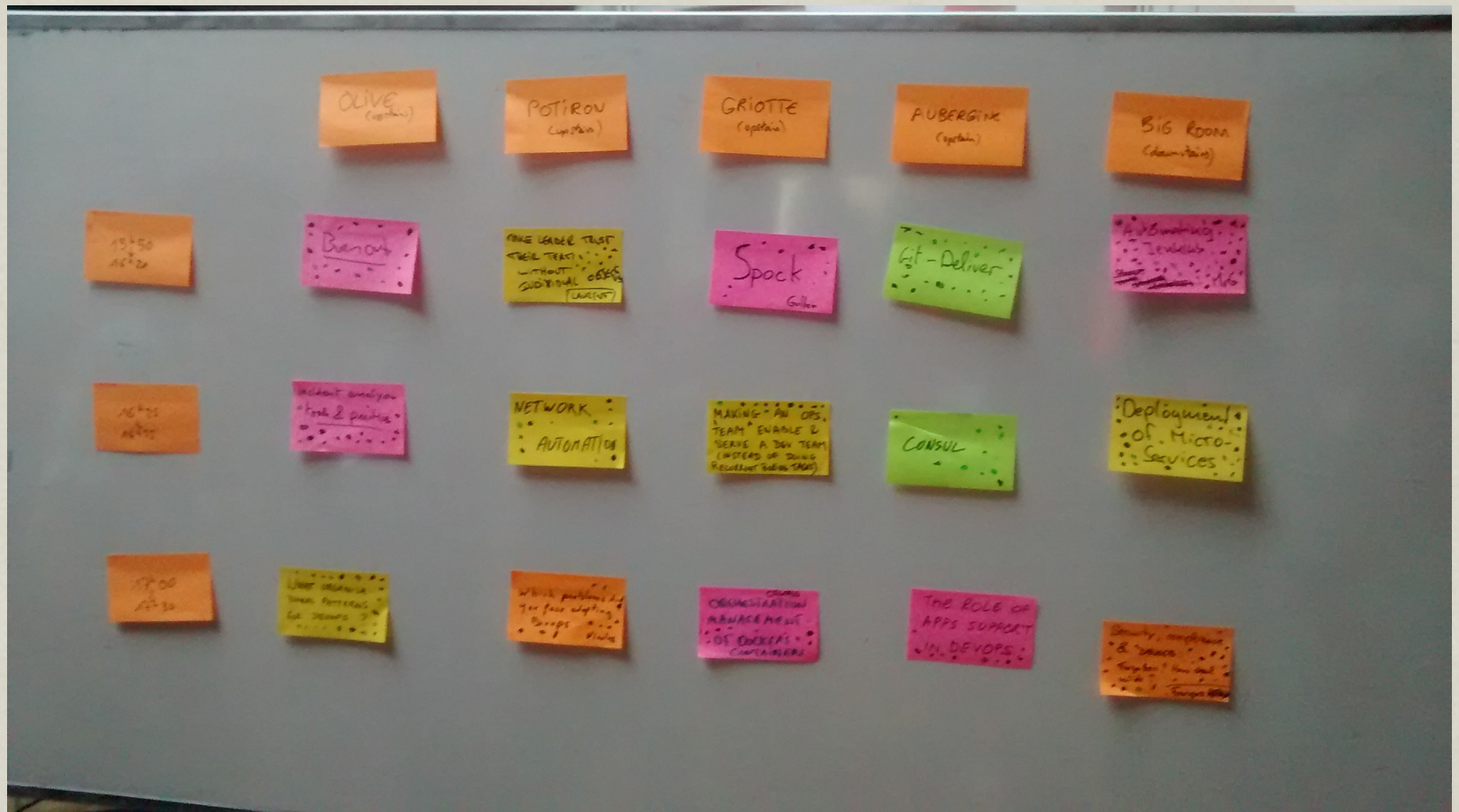


# DEVOPSDAYS PARIS 2015

- **COGNITIVE BIASES AND OUR POOR INTUITIONS AROUND PROBABILITY - NIGEL KERSTEN**
- **DESIGNING THE ENTERPRISE FOR MANUFACTURING - SCOTT RUSSELL**
- **CHANGE MANAGEMENT AT SCALE: RESPONSIBLE AGILE DELIVERY - PIERRE-YVES RITSCHARD**
- **MAKING THE ELEPHANT DANCE — DAILY DELIVERIES AT SAP - DIRK LEHMANN**
- **SCREWING UP FOR FUN AND PROFIT - OLIVER HANKELN**



# DEVOPSDAYS PARIS 2015



# LEEDS DEVOPS

- **MEETUP GROUP**
- **MEET MONTHLY(ISH)**
- **WE'LL TALK TO YOU**
- **HELP — PROMOTION/SPEAKERS/SPONSORS**

# YORKSHIRE DIGITAL

## WWW.YORKSHIREDIGITAL.COM

May Events						
All interests			All locations			
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28 LWD WordPress Leeds	29 Code and Coffee Leeds JS	30 AWS LRT LSH YJS	1	2
3	4	5 Dot Net Sheff	6 Code and Coffee Leeds Code Dojo	7	8	9
10	11	12 (def sheff) SUG WPS	13 Code and Coffee DYK	14 HDD SUY Sheffield PHP	15	16
17	18	19 Leeds DevOps YoDB	20 Code and Coffee Hey!	21	22	23
24	25	26 LWD	27 Code and Coffee York Haskell	28 AWS LSH YHK YJS	29 York Hack	30 BIT
31	1	2 AWS Leeds	3	4	5	6



# LEEDS DEVOPS

- **NEXT MEETUP ON 19/05/15 7PM AT ODI LEEDS**
- **ANDREW NORMAN FROM BJSS - "DELIVERING MICROSERVICES IN THE CLOUD"**
- **ANDY BURGIN - "DEVOPSDAYS PARIS RETRO"**
- **YODB - FOR DBAS**
- **INAGRIAL MEETUP 19/05/15**
- **LEEDS CENTRAL**

# RESOURCES

- **DEVOPS CAFE PODCAST**
- **ARRESTED DEVOPS PODCAST**
- **PHEONIX PROJECT**
- **WWW.DEVOPSDAYS.ORG**
- **DEVOPSDAYS VIMEO PAGE**
- **DEVOPSDAYS PARIS DAILYMOTION**

# QUESTIONS

- **OWT ?**
- **LEEDSDEVOPS.ORG.UK**
- **INFO@LEEDSDEVOPS.ORG.UK**
- **@LEEDSDEVOPS**
- **[HTTPS://GITHUB.COM/LEEDSDEVOPS](https://github.com/LEEDSDEVOPS)**