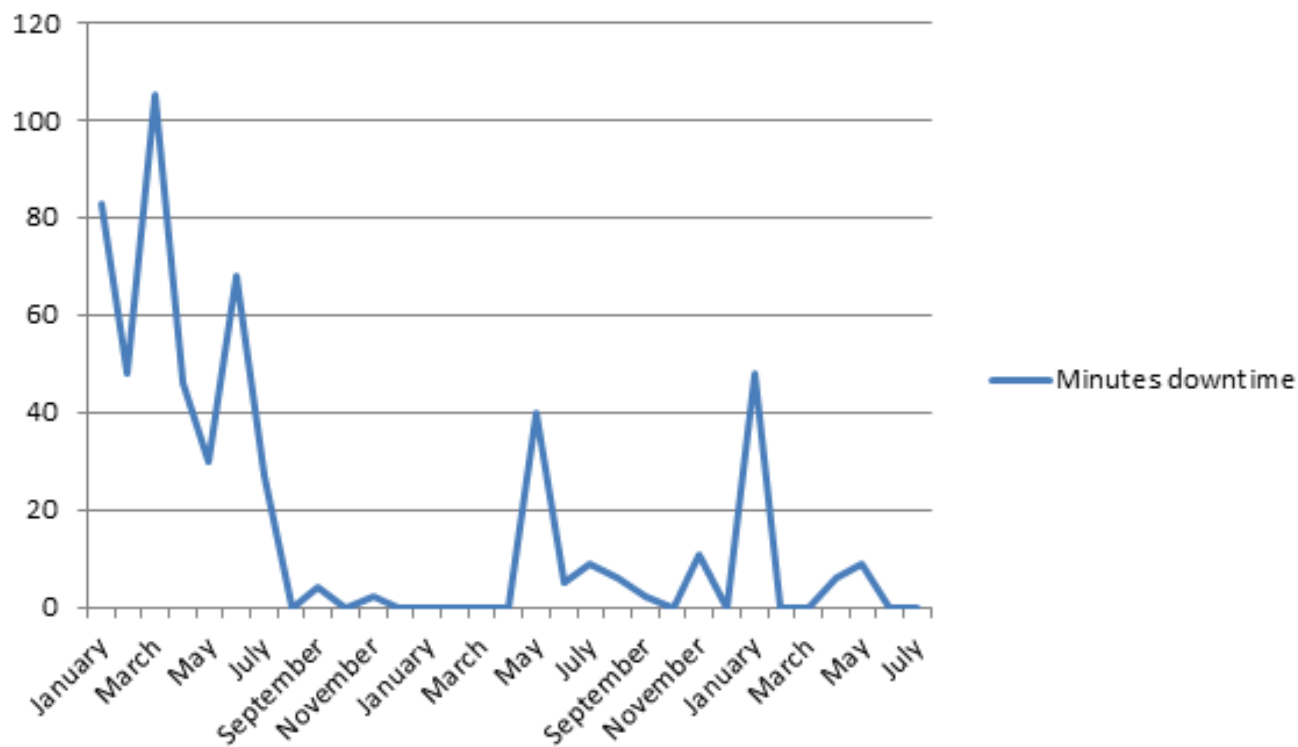


Small Data: Big Results...

David Smith

Head of Product Solutions – The IET.

Minutes downtime by month 2014-2016



A close-up photograph of two men in a discussion. The man on the left is older, with light hair, looking towards the man on the right. The man on the right is younger, with dark hair, looking back at the older man. They appear to be in a professional setting, possibly a meeting or a presentation.

Two Birds – One Stone

- There was this ‘discussion’ between two business functions over how a product was doing...
- My team was fielding (and umpiring)
- At the same time I wanted us to improve our development approaches...



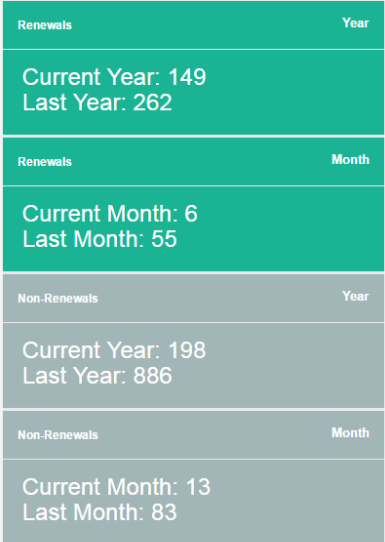
Good Morning

Landing Page

Content Type Utilities

Reports

Splash Page



Yearly sales summary

Package	2014	2015	2016	2017	Total
ESP - Bronze 1 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Bronze 3 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Bronze 5 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Gold 1 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Gold 3 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Gold 5 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver 1 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver 3 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver 5 year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver+ 1 Year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver+ 3 Year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
ESP - Silver+ 5 Year	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]
Total	£	[Redacted]	[Redacted]	[Redacted]	[Redacted]



Toggle Chart

Package Sales Order

Current logged in users (Total: 21)

Account	Name	IP Address	Logged Items
1895	Peel of Gloucestershire College	195.160.213.15	4
1892	Heath Ltd Consulting Engineers	212.167.162.16	2
1898	BT Staff	62.1.198.251	2
1897	ARCADIS	94.170.150.198	1
12089	Avanade MCS Ltd	62.232.226.226	1
189888	ARCADIS Ltd	168.217.126.1	1
12024	Amplify	168.178.139.132	1
12033	Autism	196.20.202.41	1
12030	Business Planning Association	81.174.150.102	1
12041	UtopiaSign Learning	94.170.161.91	1
23999	Crp Group	218.74.232.146	1

Sales by Package

Yearly sales summary (What Source)

Package	2016	2017	Total
VS - Bronze - 1 Year	416.00	41,366.54	41,782.54
VS - Silver - 1 Year	19.00	61,847.40	61,866.40
VS - Gold - 1 Year	12.00	679.68	691.68
VS - Gold - 3 Year	42.00	1796.72	1,838.72
VS - Silver - 3 Year	19.00	11,098.00	11,117.00
VS - Silver - 1 year	12.00	14,128.00	14,140.00
VS - Silver - 3 year	19.00	68,071.00	68,090.00
VS - Silver - 5 year	42.00	11,820.36	11,862.36
Total	499.00	174,298.34	174,797.34

Current logged in users (Total: 21)

Account	Name	IP Address	Logged Items
1895	Peel of Gloucestershire College	195.160.213.15	4
1892	Heath Ltd Consulting Engineers	212.167.162.16	2
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12041	UtopiaSign Learning	94.170.161.91	1
23999	Crp Group	218.74.232.146	1

Sales by Package

Monthly sales summary (What Source)

Package	2016	2017	Total
VS - Bronze - 1 Year	146.00	15,160.54	15,306.54
VS - Silver - 1 Year	13.00	132,000.00	132,013.00
VS - Gold - 1 Year	12.00	1,796.72	1,808.72
VS - Gold - 3 Year	14.00	11,164.00	11,178.00
VS - Silver - 3 Year	13.00	11,128.00	11,141.00
VS - Silver - 1 year	11.00	14,128.00	14,139.00
VS - Silver - 3 year	13.00	68,071.00	68,084.00
VS - Silver - 5 year	12.00	11,820.36	11,832.36
Total	640.00	214,298.34	214,938.34

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Sales by Package

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Total	640.00	214,298.34	214,938.34

Current logged in users (Total: 21)

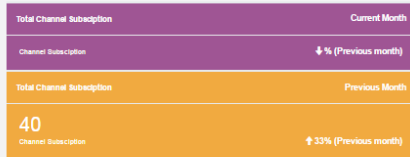
Account	Name	IP Address	Logged Items
1895	Peel of Gloucestershire College	195.160.213.15	4
1892	Heath Ltd Consulting Engineers	212.167.162.16	2
1898	BT Staff	62.1.198.251	2
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12041	UtopiaSign Learning	94.170.161.91	1
23999	Crp Group	218.74.232.146	1

Sales by Package



Good Morning

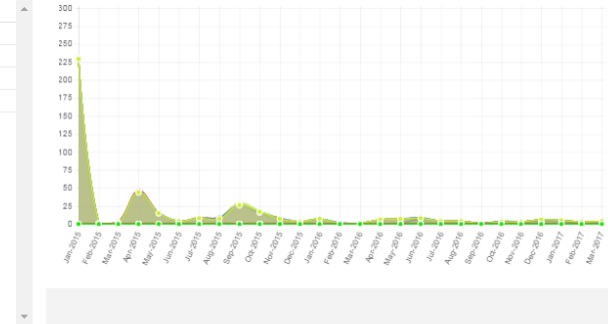
Landing Page



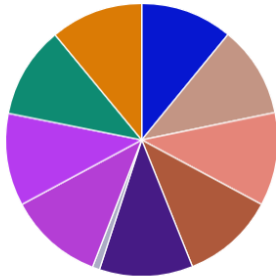
Current Logged In Users (Total: 345)

Account	Name	IP Address	No. Of Logged Users
152407	EKB-Publio-Access	195.43.22.29	313
152407	EKB-Publio-Access	195.43.22.28	25
913	THE IET	82.1.188.251	5
183231	Martin Cooper	106.149.92.119	1
41207	Mathew Atkinson	81.137.217.6	1

Channel Subscription By Month

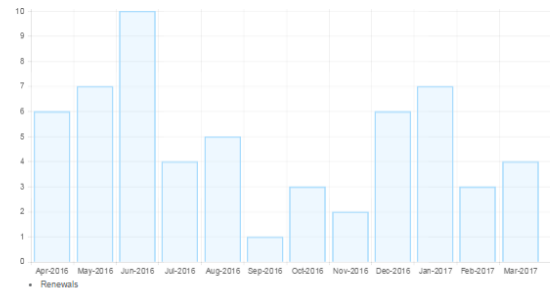


Channel Subscriptions

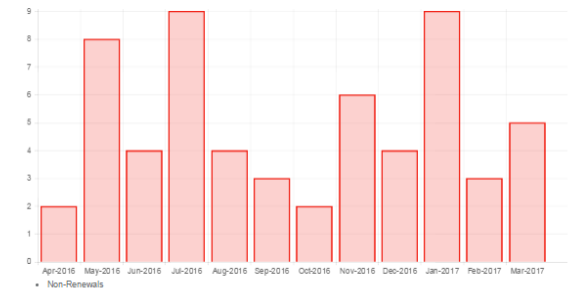


Toggle Chart

Renewals By Month (Total: 26)



Non-Renewals By Month (Total: 59)



Eating Our Own Dog Food

- Just what are WE doing with all our agile time?



Change Management Retrospective 2016

Data for the dashboard obtained from Service Centre (Requests), Jira (Issues), and Service Centre (Changes). There is all an output from the incident logs for recorded events in 2016.

Search

Current Selections

Completed Day

1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	

Completed Month

Jan	May	Sep
Feb	Jun	Oct
Mar	Jul	Nov
Apr	Aug	Dec

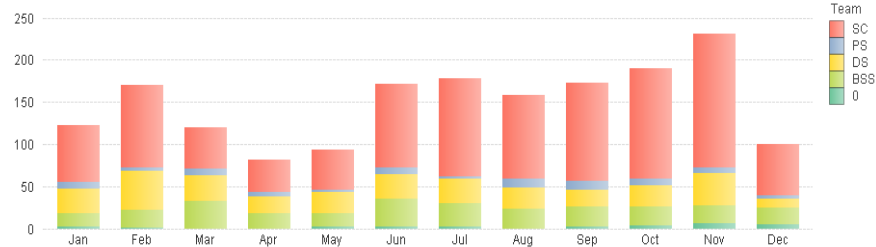
Quarter

Q1	Q2	Q3	Q4
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Comp Year

2016

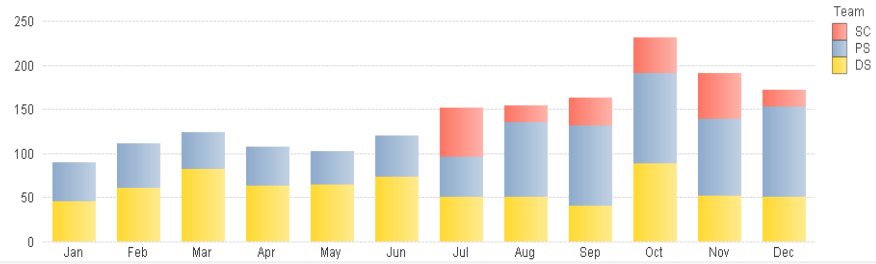
Requests by IT Team / Month



No. of Requests

Total count 5218

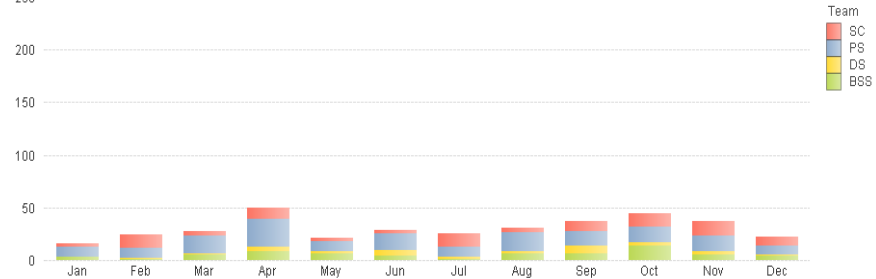
Jira Issues by month by Team



No. of Jira issues

Total count 1719

Changes by month by team



No. of Changes

Total count 364

"Issues" in Jira in 2016 for BAU workstreams

Issues that were created "updated" in 2016. BAU workstreams include all BAU boards, security, and Inspec. It does not include projects. These charts show that not all of the development work carried out by IT is being captured in JIRA (There are four teams but only three appear).

Current Selections

Completed Day

1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	

Completed Month

Jan	May	Sep
Feb	Jun	Oct
Mar	Jul	Nov
Apr	Aug	Dec

Quarter

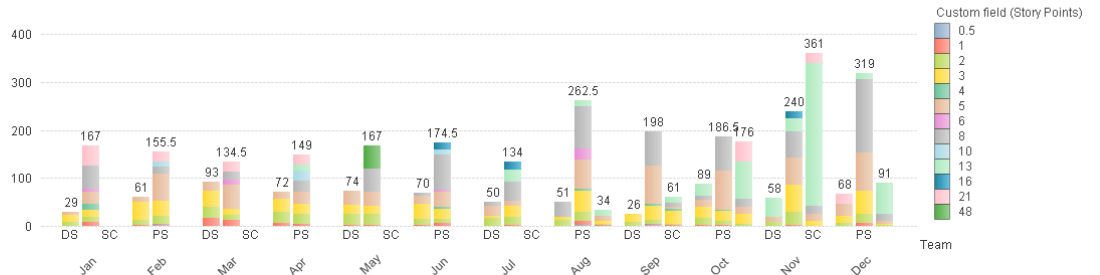
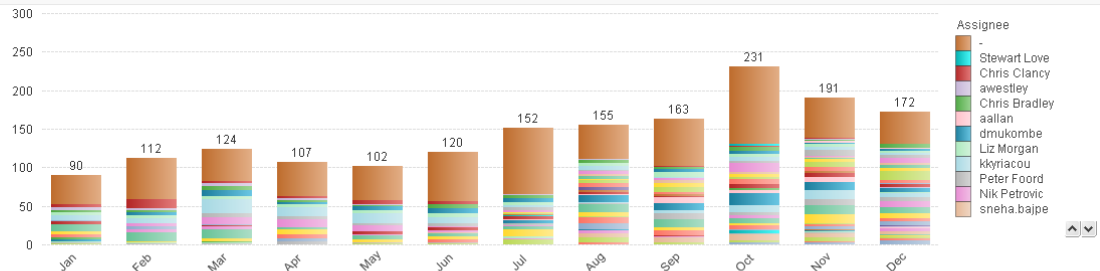
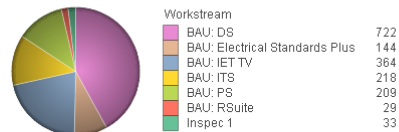
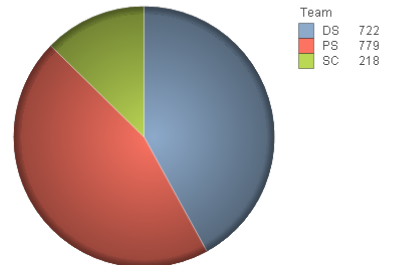
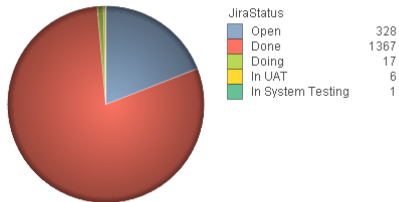
Q1	Q2	Q3	Q4
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Comp Year

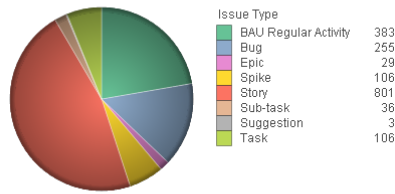
2016

No. of Jira issues

Total count	1719
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Sprint	Team	Project name
Sprint 25 (5th Dec - 15th Dec)	SC	BAU: ITS
Sprint 11 - PSTV20151109	PS	BAU: IET TV
BAU: Sprint 23	PS	BAU: RSuite
INS1 - Sprint 25	PS	Inspec 1
BAU Sprint 05 (27 Feb 10 Mar)	SC	BAU: ITS
ET Sprint 17	DS	BAU: DS
Sprint 16 - IN3	PS	Inspec 1
Sprint 15 - IN1	PS	Inspec 1
PSCF20160801 (Sprint 15)	PS	BAU: PS
Sprint 14 - PESP20160704	PS	BAU: Electrical Standards Plus
Sprint 13 - IN1	PS	Inspec 1
Sprint 8 27Oct-5Nov 2015	DS	BAU: DS
Sprint 10 23Nov-4Dec 2015	DS	BAU: DS
PSCF20151207 (Sprint 12)	PS	BAU: PS
BAU Sprint 04 (13 - 24 Feb)	SC	BAU: ITS



Incidents by created date in Manage Engine 2016

Dates based on the "Requests Created Time" recorded in Manage Engine for the Incident.

Search

Current Selections

Completed Day

1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	

Completed Month

Jan	May	Sep
Feb	Jun	Oct
Mar	Jul	Nov
Apr	Aug	Dec

Quarter

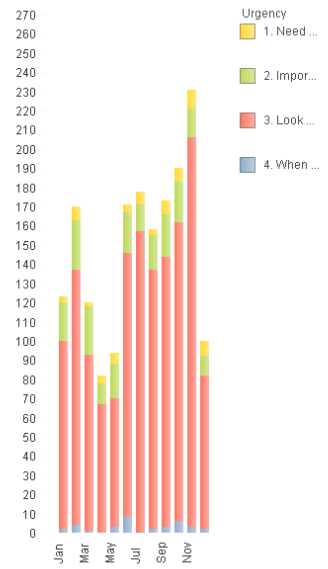
Q1	Q2	Q3	Q4
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Comp Year

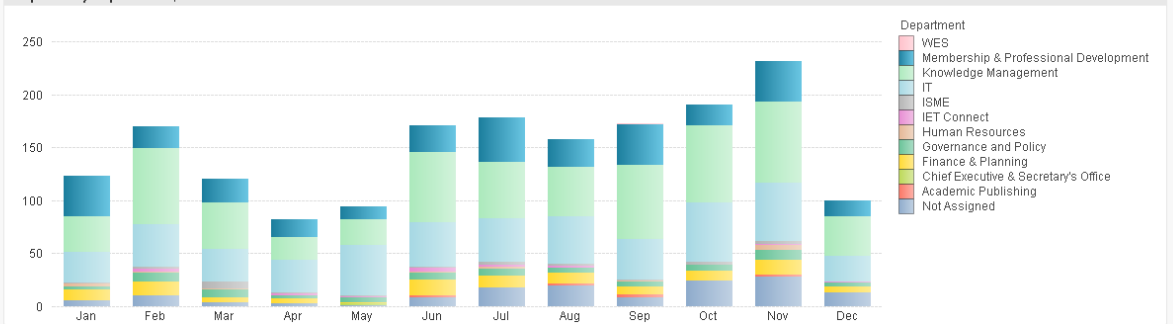
2016

No. of Requests

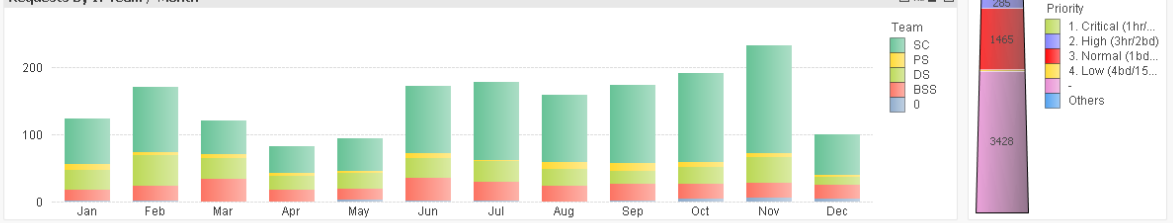
Total count	5218
-------------	------



Requests by Department / Month



Requests by IT Team / Month



Request ID	Request Mode	Requester	Subject	Team	Technician	Urgency	Workstream	Department	Impact	CompDate
38640	Web Form	Beattie,John	Poorly Monitor	-	-	-	-	Membership & Professional Development	3. Normal (<20 users)	-
38644	E-Mail	Crudden,Charlotte	Mark Organ calendar	SC	Shepherd,Jon	3. Look at this over the next few days please	Infrastructure	Membership & Professional Development	4. Low (Single user)	04/01/2016 08:54:00
38646	E-Mail	Hudson,Julie	RE: [Request ID : ##38420##] : FYI scam telephone call received	SC	Shepherd,Jon	3. Look at this over the next few days please	Infrastructure	Knowledge Management	4. Low (Single user)	04/01/2016 09:10:00
38647	E-Mail	Lubas,Genevieve	[MailmanLists] Your Mailman list is about to be closed.	DS	Redmond,Lee	3. Look at this over the next few days please	CF	Finance & Planning	4. Low (Single user)	04/01/2016 09:14:00
38648	Phone Call	Hopwood,Alison	password reset request	SC	Berrington,Martin	3. Look at this over the next few days please	Infrastructure	Membership & Professional Development	4. Low (Single user)	04/01/2016 09:16:00
38649	Phone Call	Marrable,Chris	password reset please	SC	Berrington,Martin	3. Look at this over the next few days please	Infrastructure	Finance & Planning	4. Low (Single user)	04/01/2016 09:16:00
38650	Phone Call	Smith,Daniel	My Laptop is loading up with temporary profile	SC	Berrington,Martin	3. Look at this over the next few days please	Infrastructure	Knowledge Management	4. Low (Single user)	04/01/2016 09:17:00
38651	Phone Call	Sheshan,Aisling	please reset my password	SC	Berrington,Martin	3. Look at this over the next few days please	Infrastructure	Membership & Professional Development	4. Low (Single user)	04/01/2016 09:17:00
38652	Web Form	Budge,Martin	Folder access needed	-	-	-	-	Finance & Planning	3. Normal (<20 users)	-
38654	E-Mail	Rankine,Yvonne	FW: Google Analytics: Pages PDHow2	DS	Westley,Andrew	3. Look at this over the next few days please	Umbraco	Membership & Professional Development	4. Low (Single user)	04/01/2016 09:30:00
38660	E-Mail	IET Webmaster	FW: Feedback from Website - MyCommunity Pages - Problem or Question-	PS	Bacon,David	3. Look at this over the next few days please	CF	Not Assigned	4. Low (Single user)	04/01/2016 10:08:00
38669	E-Mail	Rankine,Yvonne	FW: Google Analytics: Top 10 Search terms used in IET site search	DS	Westley,Andrew	3. Look at this over the next few days please	Umbraco	Membership & Professional Development	4. Low (Single user)	04/01/2016 10:25:00
38674	Phone Call	Crudden,Charlotte	Please remove any All Staff group including Darwin Access for Anne Fitzsimons	BSS	Goddard,Graham	3. Look at this over the next few days please	Reporting	Membership & Professional Development	4. Low (Single user)	04/01/2016 10:46:00
38675	E-Mail	Benveniste,Steve	Kim Munns	-	-	-	-	Knowledge Management	4. Low (Single user)	-

"Labels" in Jira in 2016 for BAU workstreams

One of the challenges set by the CAB is to report on Security items. An available is to use the label facility. Here are the labels used in 2016 that illustrates the challenge in getting a uniform approach so that security items can be reported on.

Current Selections

Completed Day							
1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	

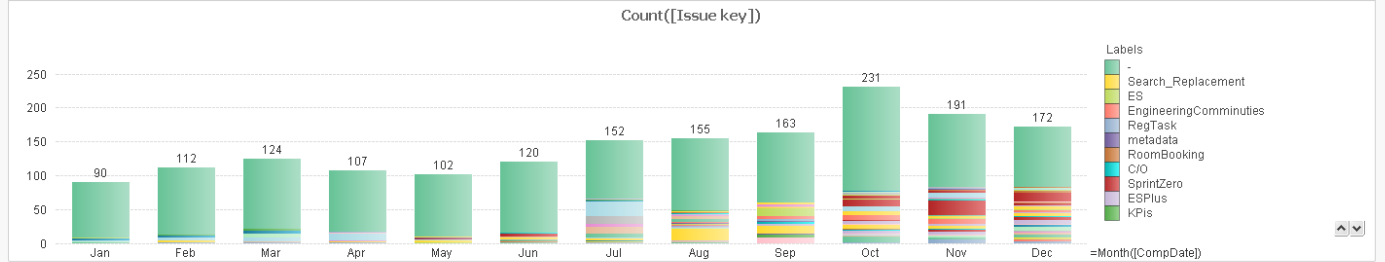
Completed Month			
Jan	May	Jun	Sep
Feb	Jun	Jul	Oct
Mar	Jul	Aug	Nov
Apr	Aug	Oct	Dec

Quarter			
Q1	Q2	Q3	Q4

Comp Year	
	2016

No. of Jira Issues	
Total count	1719

Labels used in Jira by Month



Labels used in Jira

Labels	Labels1	Labels2
500 80_Misc_Projects	-	-
500 90_Security	security	-
500 90_Security	-	-
500 91_Infrastruc...	-	-
500 99_Departme...	-	-
600 80_Misc_Projects	-	-
600 90_Security	-	-
600 91_Infrastruc...	-	-
600 99_Departme...	-	-
1_Smal_(<_2_Week)		800
1_Smal_(<_2_Week)	11_KYC(F4F)	800
1_Smal_(<_2_Week)	80_Misc_Projects	800
1_Smal_(<_2_Week)	500 80_Misc_Projects	
1_Smal_(<_2_Week)	600 80_Misc_Projects	
1_Smal_(<_2_Week)	700 80_Misc_Projects	
1_Smal_(<_2_Week)	700 91_Infrastructure	
1_Smal_(<_2_Week)	800 90_Security	
1_Smal_(<_2_Week)	800 91_Infrastructure	
01_SP_Refurb	3_Large_(>_4_Weeks)	500
2_Medium_(<_4_Weeks)	500 80_Misc_Projects	
2_Medium_(<_4_Weeks)	500 90_Security	
2_Medium_(<_4_Weeks)	600 80_Misc_Projects	
2_Medium_(<_4_Weeks)	600 91_Infrastructure	
2_Medium_(<_4_Weeks)	700 80_Misc_Projects	
2_Medium_(<_4_Weeks)	700 90_Security	
2_Medium_(<_4_Weeks)	700 91_Infrastructure	
2_Medium_(<_4_Weeks)	800 91_Infrastructure	
2_Medium_(<_4_Weeks)	800 99_Departmental	
2_Medium_(<_4_Weeks)	900 91_Infrastructure	
3_Large_(>_4_Weeks)	80_Misc_Projects	800
3_Large_(>_4_Weeks)	500 80_Misc_Projects	
3_Large_(>_4_Weeks)	600 80_Misc_Projects	
3_Large_(>_4_Weeks)	600 91_Infrastructure	
3_Large_(>_4_Weeks)	700 80_Misc_Projects	
3_Large_(>_4_Weeks)	800 91_Infrastructure	



Labels	Count
500	27
600	12
1_Smal_(<_2_Week)	13
01_SP_Refurb	1
2_Medium_(<_4_Weeks)	16
3_Large_(>_4_Weeks)	9
05_Asia_Offices	1
06_Data_Centre	1
11_KYC(F4F)	1
access	2
Admin	1

Issue count by Jira Label

Labels	Labels1	Labels2	Count([Issue key])
AdminPortal			14
Regressiontestscripts			3
deliverables			2
Completed			2
	Risk_Amber		9
Regression_Issue	WebUIPortal		1
	Risk_Red		3
			4
admin_portal			6
WebPortal			1
Testing_Only			3
access			2
Deliverable			8
Automation			3
risk-green			11
risk_amber			6
Investigation			14
Development_Only			8
Risk_Green			4
Risk_Amber			3
Web_Portal			1
Video			1
DOI			1
Planning			1
WebUIPortal			45
OpenAthens			2
Ingest			1
EGYPT			1
Performance			1
AdminPortal,			1
SEO			2
admin			1
Search			1
Admin			1
Security_Audit			14
access			2

"Completed" changes in Manage Engine 2016

"Completed" is based on the "Scheduled Start Time" recorded in Manage Engine for the change.

Search

Current Selections

Completed Day

1	5	9	13	17	21	25	29
2	6	10	14	18	22	26	30
3	7	11	15	19	23	27	31
4	8	12	16	20	24	28	

Completed Month

Jan	May	Sep
Feb	Jun	Oct
Mar	Jul	Nov
Apr	Aug	Dec

Quarter

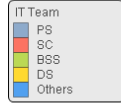
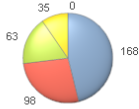
Q1	Q2	Q3	Q4
----	----	----	----

Comp Year

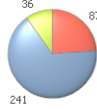
2016

Total count 364

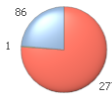
IT Changes by Team



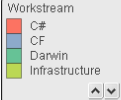
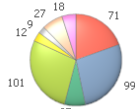
Change by Type



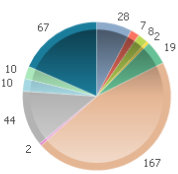
Change Approval Status



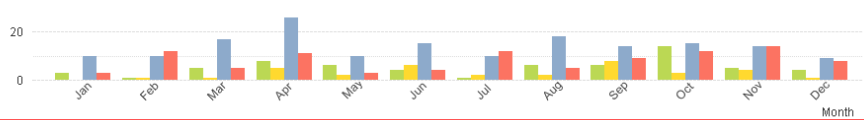
IT Change Workstreams



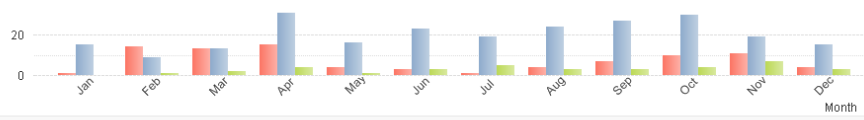
IT Changes by Category



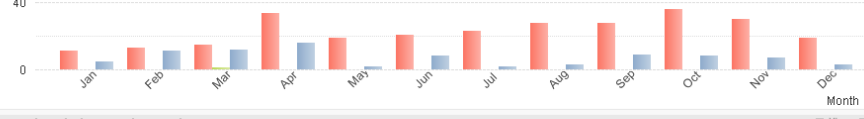
Completed Changes by Team



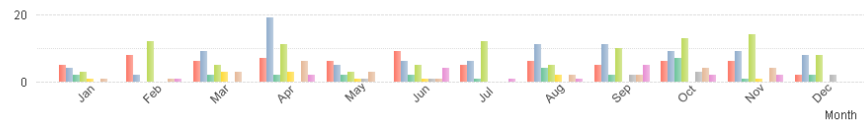
Completed Changes by Type



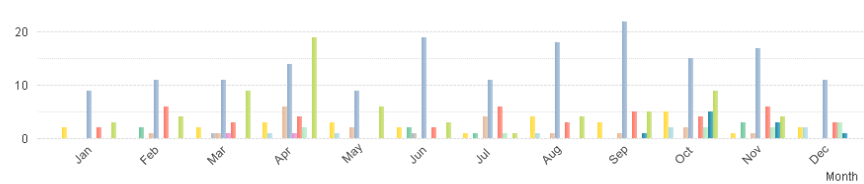
Completed Changes by Approval Status



Completed Changes by Workstream



Completed Changes by Category

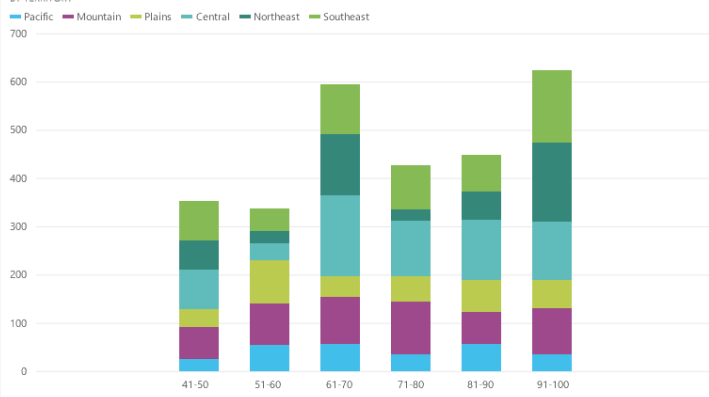


Travel Analysis

And Now, a Quick Advert for Power BI

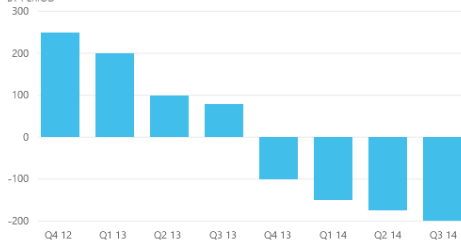
Regional Load

BY TERRITORY



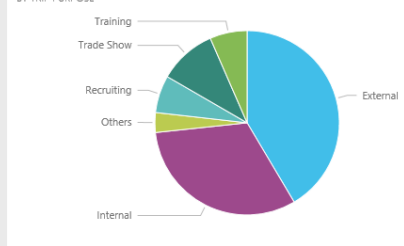
Sales

BY PERIOD



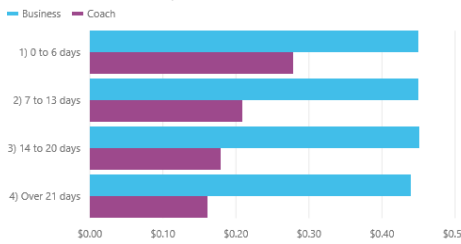
Number of Trips

BY TRIP PURPOSE



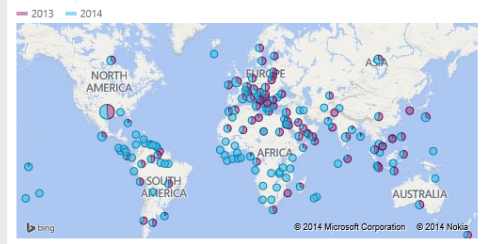
Average Cost Per Mile

BY ADVANCED BOOKING CATEGORY, TRIP CLASS



On Time Arrival

BY COUNTRY, YEAR



Delayed Flights

BY DATE



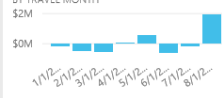
Actual Flight Expenditures, Bu...

BY TRAVEL MONTH

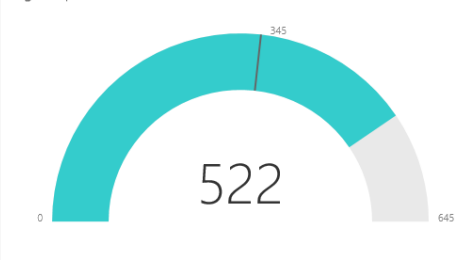


Budget Remaining

BY TRAVEL MONTH

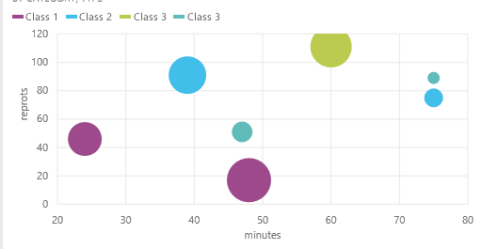


Flight Expense



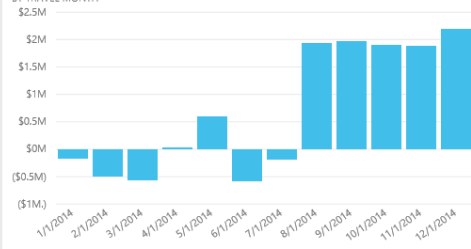
Rush Booking, Trip Class, Season

BY CATEGORY, TYPE



Budget Remaining

BY TRAVEL MONTH



Variance to Budget

(\$1.39M)

Average Cost Per Trip

\$723.16

Clipboard

External Data

Resources

Insert

View

Relationships

Calculations

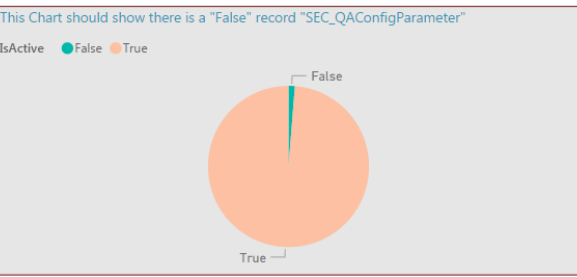
Share

If Users are having trouble starting IDEAS then check the value 'SEC_QAConfigParameter' is present as the TableName in the table RefData_VersionControl

```
IF NOT EXISTS(SELECT
1 FROM ADM_RefData_VersionControl WHERE TableName='SEC_QAConfigParameter')
BEGIN
INSERT INTO ADM_RefData_VersionControl (
TableName
LastVersion
IsModified
IsActive
LastModifiedBy
LastModifiedDate)
VALUES ('SEC_QAConfigParameter',9.0.1.1,GETDATE())
END
```

If it is not then run this script to resolve the issue:

```
use Ideas
update ADM_RefData_VersionControl
set IsActive = 0
where TableName = 'SEC_QAConfigParameter'
and IsActive = 1
```



When were items configured by Year

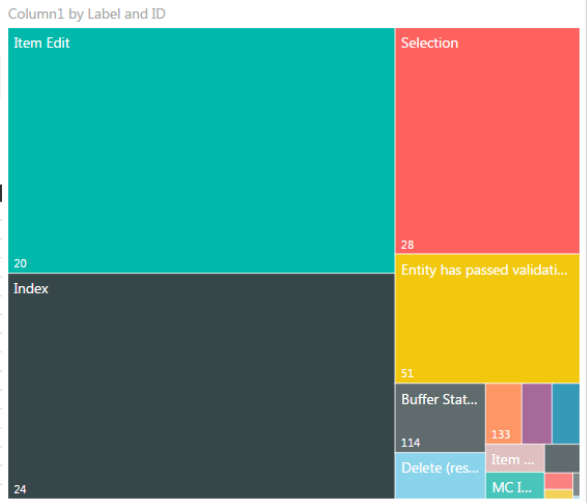


ID	IsActive	IsModified	LastModifiedBy	Year	Quarter	Month	Day	LastVersion	TableName	
88	True	False		1	2016	Qtr 4	December	20	11	REF_Country
89	True	False		1	2016	Qtr 4	December	20	11	REF_CountryRegionPlace
90	True	False		1	2016	Qtr 4	December	20	11	REF_CountryState
91	True	False		1	2016	Qtr 4	December	20	11	REF_OrganisationWordRanking
92	True	False		1	2016	Qtr 4	December	20	11	REF_POBox
93	True	False		1	2016	Qtr 4	December	20	11	REF_Road
94	True	False		1	2016	Qtr 4	December	20	11	REF_Room
95	True	False		1	2016	Qtr 4	December	20	11	REF_SortTranslationAlgorithm
96	True	False		1	2016	Qtr 4	December	20	11	REF_StdCountry
97	True	False		1	2016	Qtr 4	December	20	11	REF_WordAbbreviation
98	True	False		1	2016	Qtr 4	December	20	11	REF_ClassificationConditionType
99	True	False		1	2016	Qtr 4	December	20	11	REF_DataOriginatorClassificationCod..
100	True	False		1	2016	Qtr 4	December	20	11	REF_Country2
101	True	False		1	2016	Qtr 4	December	20	11	REF_Country2Alias
102	True	False		1	2016	Qtr 4	December	20	11	REF_Country2State
103	True	False		1	2016	Qtr 4	December	20	11	REF_Country2StateAlias
104	True	False		1	2016	Qtr 4	December	20	11	REF_OrganisationWordAbbrev
105	True	False		1	2017	Qtr 1	February	21	23	REF_Bin
106	True	False		1	2016	Qtr 4	December	20	12	REF_MethodObtainedType
108	False	False		1	2017	Qtr 1	March	2	9	SEC_QAConfigParameter
Total				79					4425	

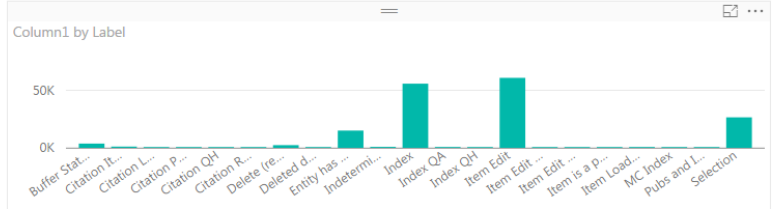
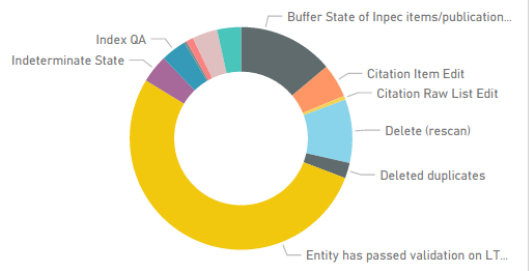
```
-- Show item state: select rs.ID, rs.Label, count(*) from wip_source (nolog) ws
join ref_state (nolog) rs on rs.ID = ws.StateID where StateID not in
(33,29,127,126,32,18) group by rs.ID, rs.Label
```

Label Column1
Indeterminate State 1172

Label	3	20	23	24	25	26	28	30	42	44	45	51
Selection							26667					
Pubs and Items with dodgy MINs. Gaurav is checking												
MC Index												
Item Load to Core						1054						
Item is a potential duplicate.	300											
Item Edit QH										8		
Item Edit QA			100									
Item Edit		60783										
Index QH											2	
Index QA						1069						
Index				55760								
Indeterminate State								1172				
Entity has passed validation on LTC call												15246
Deleted duplicates												
Delete (rescan)									2656			
Citation Raw List Edit												
Citation QH												
Citation Parsing												
Citation Lookup												
Citation Item Edit												
Buffer State of Inpec items/publication after 1st correction												
Total	300	60783	100	55760	1069	1054	26667	1172	2656	8	2	15246




Column1 by Label



To Infinity and Beyond...

The Inspec Knowledge Graph Dr C Marker

Visualisation of some of the entities and relationships in the Inspec knowledge graph. Search for KTH or power inverters to see results of search on these entities. Edges and nodes sized by number of papers on database. Graph contains additional information on piezoelectricity, rocket engines, internet of things, journal of aerospace power

 **More about this visualisation**

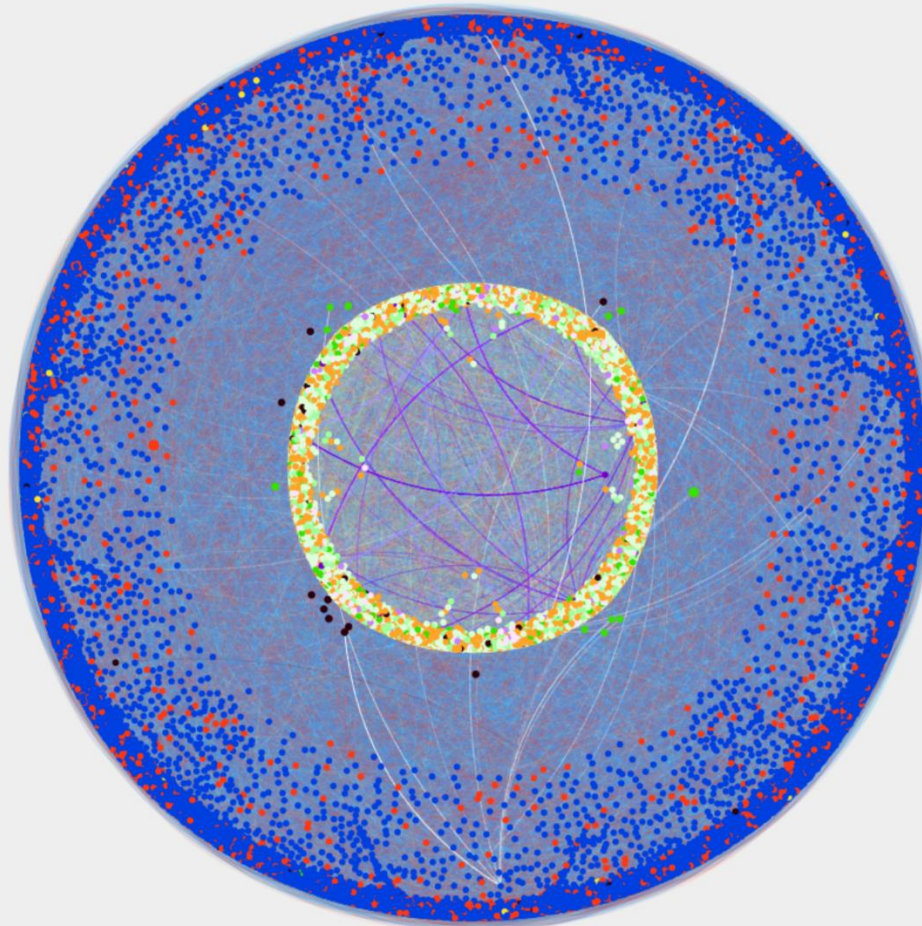
Legend:

● Blue = Controlled Term, Red = Classification, Orange = Source/Journals, Black = Author, Green = organisation, pale green = ISSN, light green = CODEN, light res = e-mail, light purple = city, purple = country, yellow = title, pink = department




Search:

Group Selector:



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 More about this visualisation

Legend:

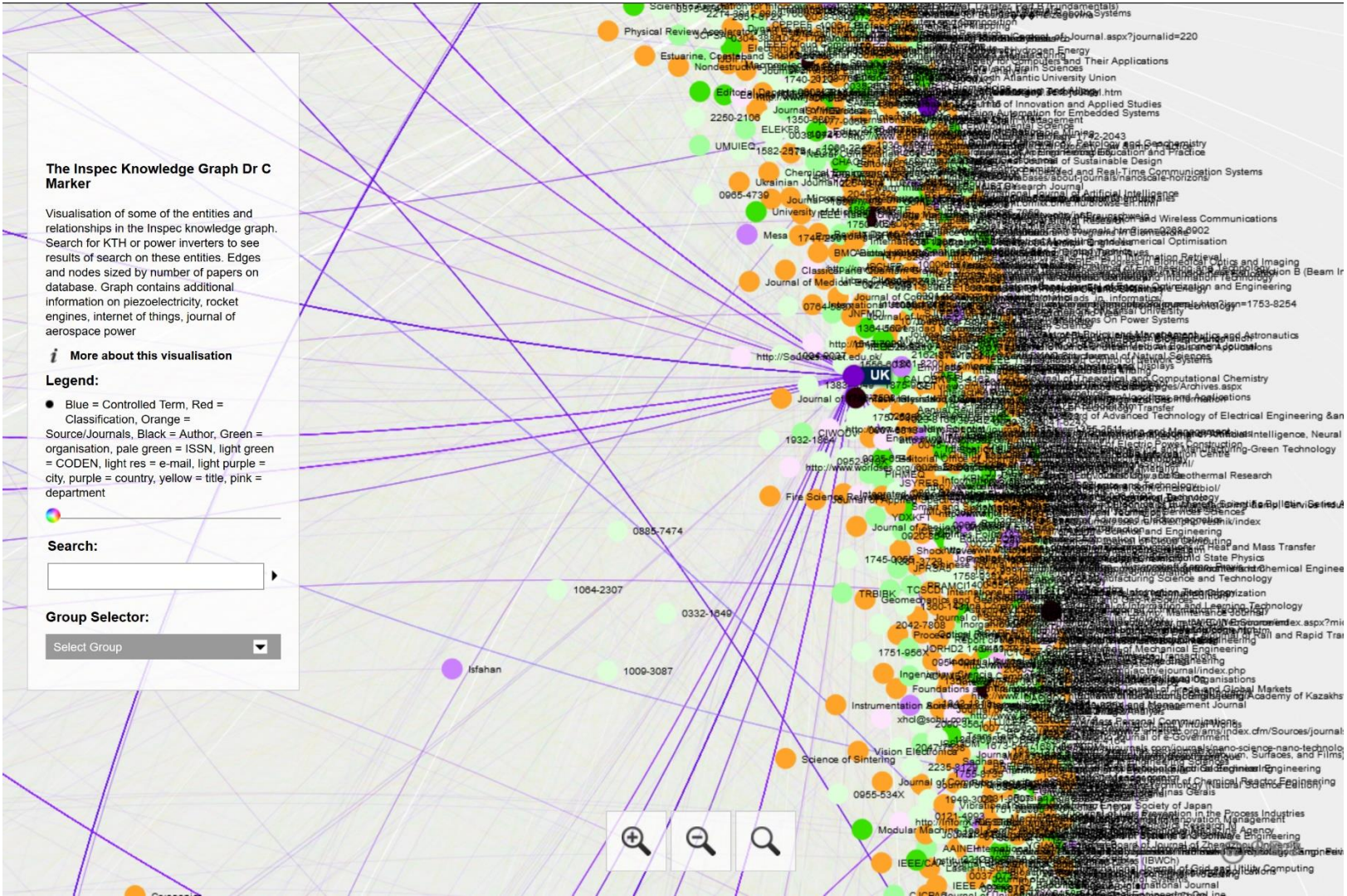
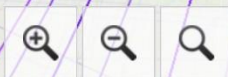
- Blue = Controlled Term, Red = Classification, Orange = Source/Journals, Black = Author, Green = organisation, pale green = ISSN, light green = CODEN, light res = e-mail, light purple = city, purple = country, yellow = title, pink = department



Search:

Group Selector:

Select Group



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Search:

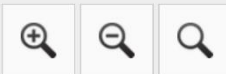
 X


Search Results:

IEEE Internet of Things Journal
Internet of Things
IoT (Internet of Things)

Group Selector:

Select Group ▼



 Return to the full network

Information Pane

Internet of Things

type: Controlled Term

map: [Countries producing most work in](#)

Connections:

Mutual (12)

[ambient intelligence](#)
[bar codes](#)
[cloud computing](#)
[embedded systems](#)
[Internet](#)
[middleware](#)
[open systems](#)
[protocols](#)
[radiofrequency identification](#)
[smart cities](#)
[standards](#)
[wireless sensor networks](#)

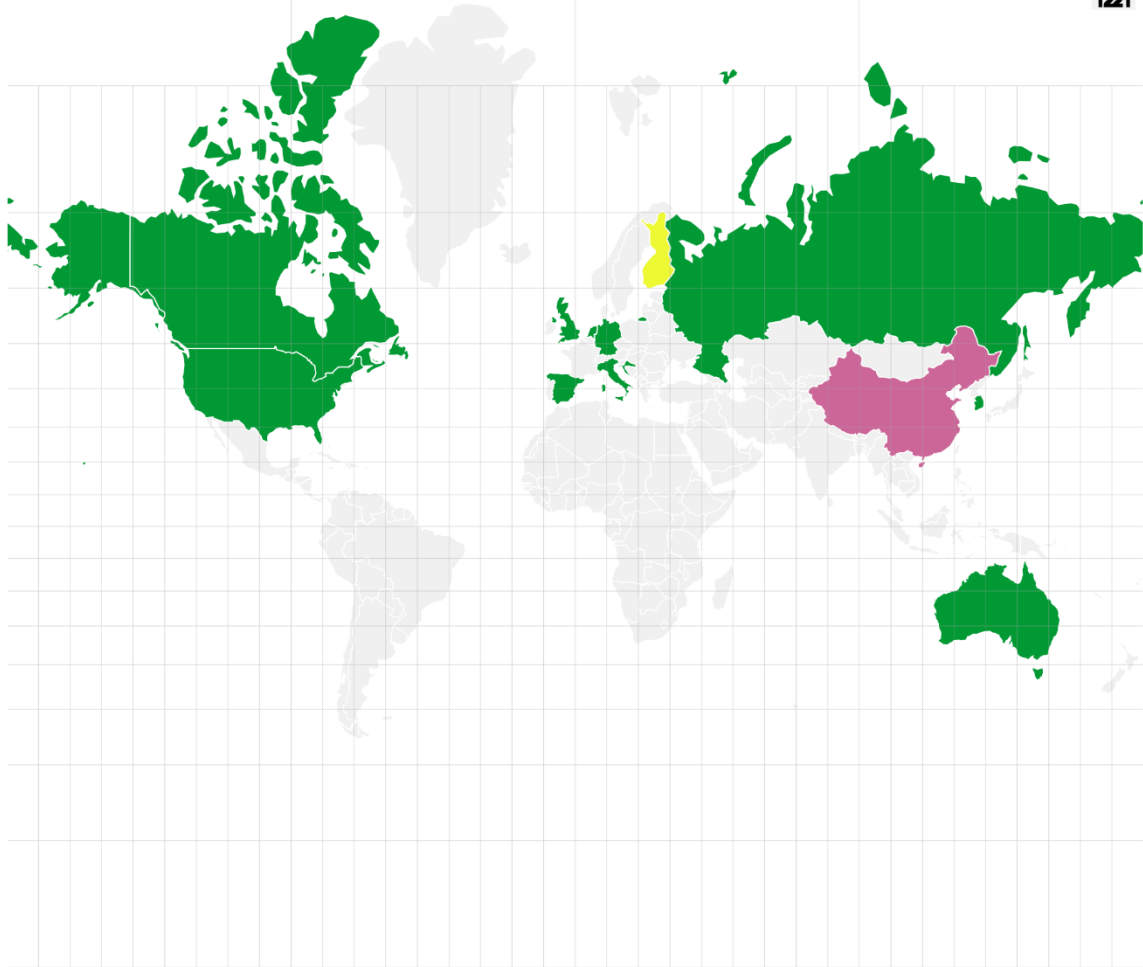
Incoming (1)

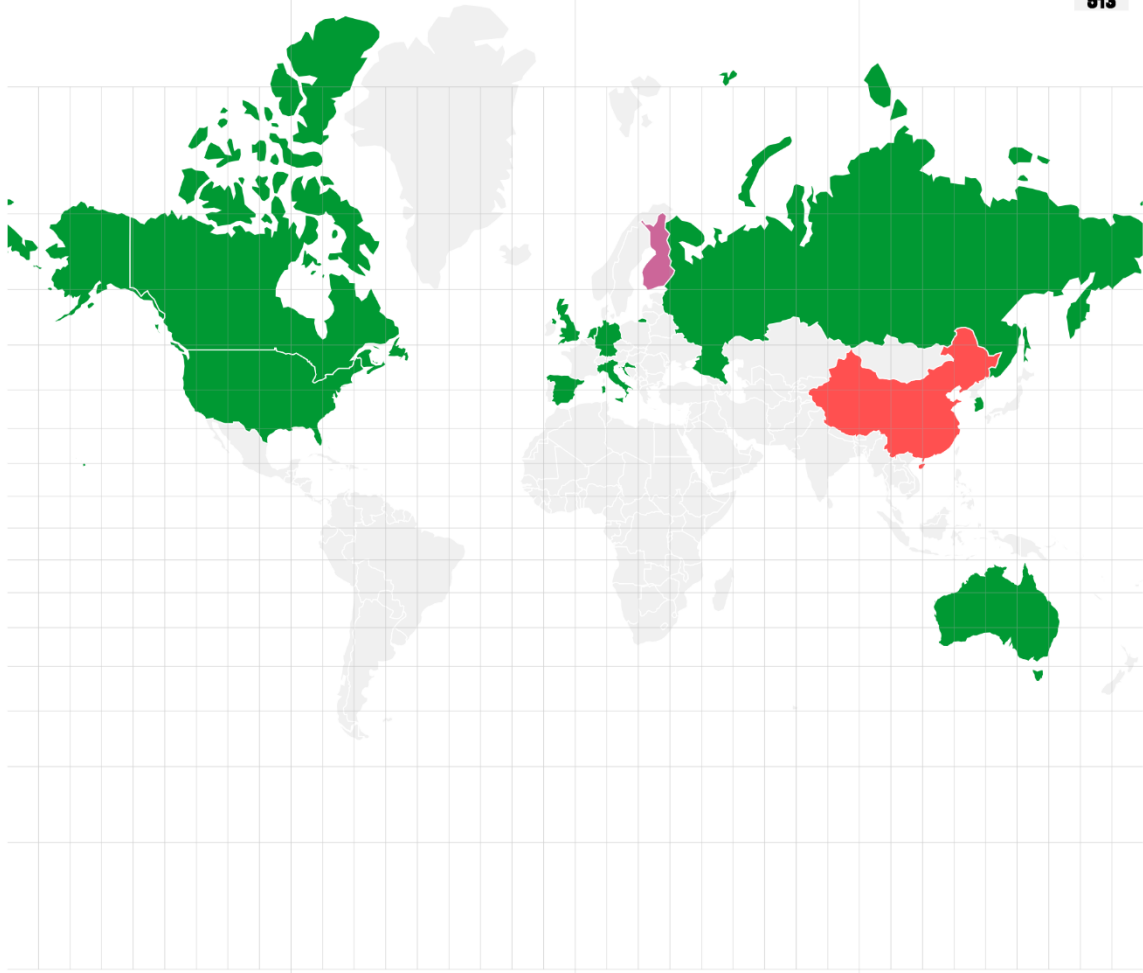
[IoT \(Internet of Things\)](#)

Outgoing (1)

[ubiquitous computing](#)







The Inspec Knowledge Graph Dr C Marker

Visualisation of some of the entities and relationships in the Inspec knowledge graph. Search for KTH or power inverters to see results of search on these entities. Edges and nodes sized by number of papers on database. Graph contains additional information on piezoelectricity, rocket engines, internet of things, journal of aerospace power

More about this visualisation

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Search:

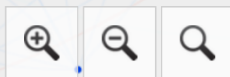



Search Results:

IEEE Internet of Things Journal
Internet of Things
IoT (Internet of Things)

Group Selector:

wireless sensor networks



 Return to the full network

Information Pane

wireless sensor networks

type: Controlled Term

Connections:

Mutual (15)

[ad hoc networks](#)
[ambient intelligence](#)
[assisted living](#)
[body area networks](#)
[broadcast communication](#)
[Internet of Things](#)
[microsensors](#)
[packet radio networks](#)
[sensor fusion](#)
[sensor placement](#)
[smart cities](#)
[telecommunication power management](#)
[underwater acoustic communication](#)
[wireless LAN](#)
[Zigbee](#)

Incoming (4)

[body sensor networks](#)
[localisation \(wireless sensor networks\)](#)
[localization \(wireless sensor networks\)](#)
[underwater wireless sensor networks](#)

Outgoing (7)

[distributed sensors](#)
[radio networks](#)
[B6250K Wireless sensor networks](#)
[B6270 Acoustic and other telecommunication systems and equipment](#)
[B7230 Sensing devices and transducers](#)
[C3240 Transducers and sensing devices](#)
[KTH Royal Institute of Technology](#)

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More about this visualisation

Legend:

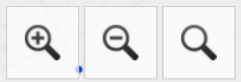
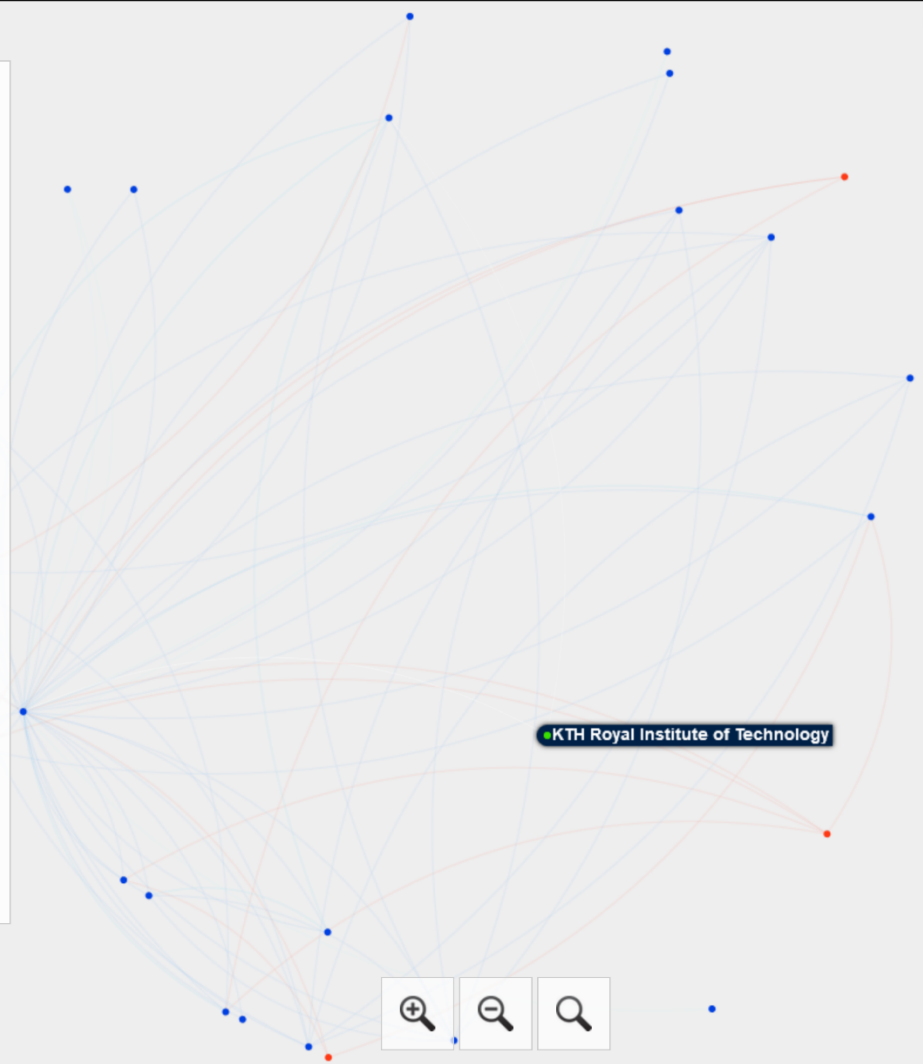
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Search:

- Search Results:**
- IEEE Internet of Things Journal
 - Internet of Things
 - IoT (Internet of Things)

Group Selector:



Information Pane

wireless sensor networks

type: Controlled Term

Connections:

Mutual (15)

- [ad hoc networks](#)
- [ambient intelligence](#)
- [assisted living](#)
- [body area networks](#)
- [broadcast communication](#)
- [Internet of Things](#)
- [microsensors](#)
- [packet radio networks](#)
- [sensor fusion](#)
- [sensor placement](#)
- [smart cities](#)
- [telecommunication power management](#)
- [underwater acoustic communication](#)
- [wireless LAN](#)
- [Zigbee](#)

Incoming (4)

- [body sensor networks](#)
- [localisation \(wireless sensor networks\)](#)
- [localization \(wireless sensor networks\)](#)
- [underwater wireless sensor networks](#)

Outgoing (7)

- [distributed sensors](#)
- [radio networks](#)
- [B6250K Wireless sensor networks](#)
- [B6270 Acoustic and other telecommunication systems and equipment](#)
- [B7230 Sensing devices and transducers](#)
- [C3240 Transducers and sensing devices](#)
- [KTH Royal Institute of Technology](#)

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Visualisation of some of the entities and relationships in the Inspec knowledge graph. Search for KTH or power inverters to see results of search on these entities. Edges and nodes sized by number of papers on database. Graph contains additional information on piezoelectricity, rocket engines, internet of things, journal of aerospace power

i More about this visualisation

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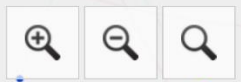
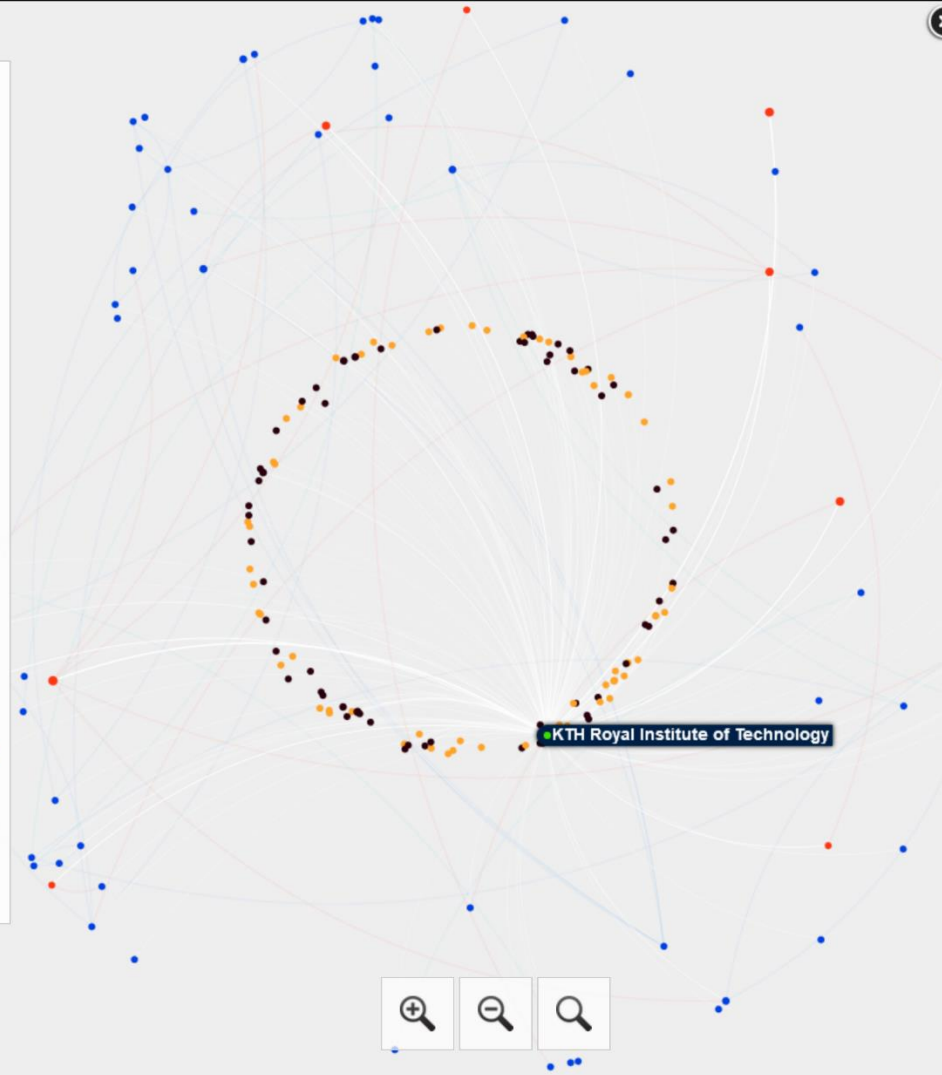
Search:

internet of things X

- Search Results:
- IEEE Internet of Things Journal
 - Internet of Things
 - IoT (Internet of Things)

Group Selector:

Select Group ▾



Information Pane

KTH Royal Institute of Technology

Agent: [Author](#)

Year: [Year](#)

Classification: [Classification](#)

Controlled Term: [Control term](#)

type: Organisation

URI: [Source](#)

Connections:

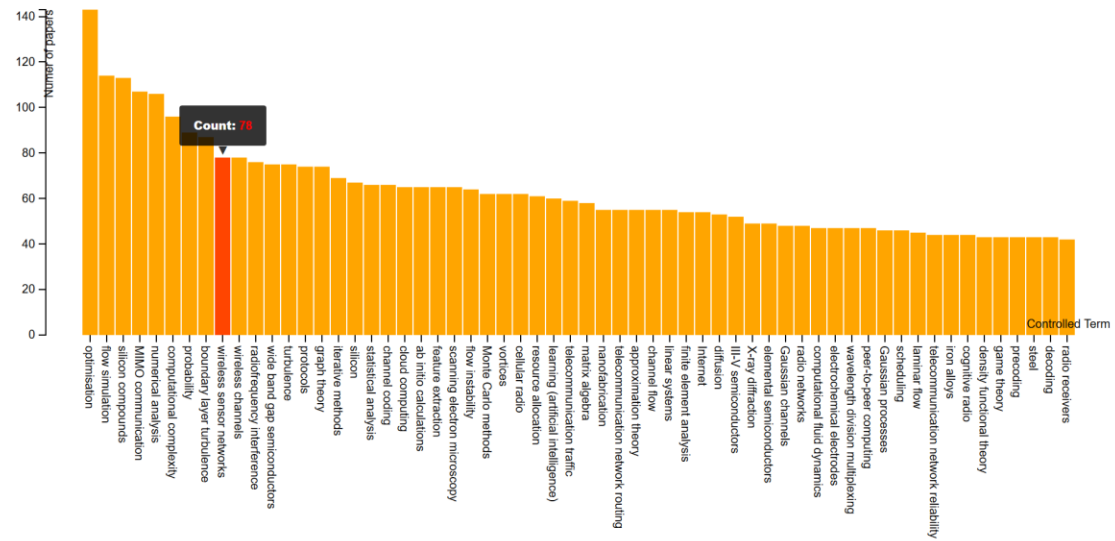
Mutual (0)
No mutual links

Incoming (190)

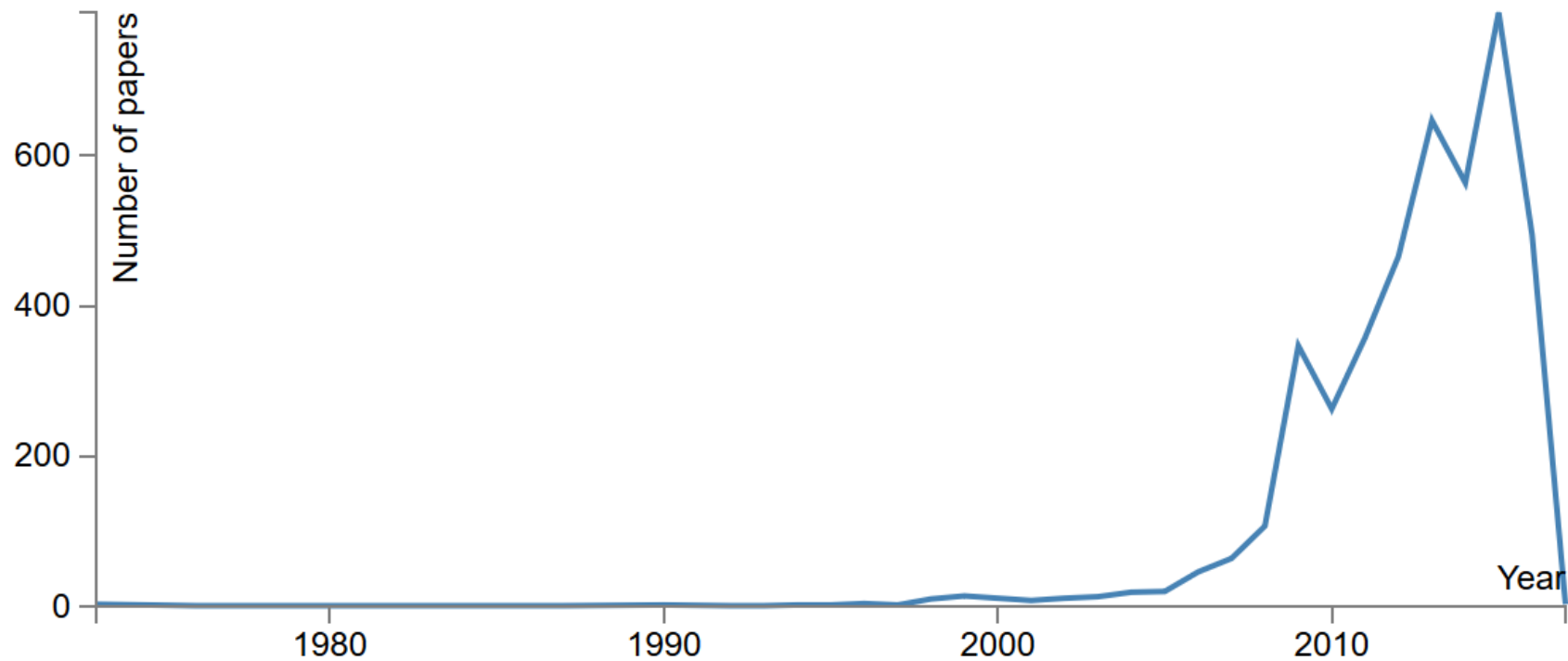
- [Alfredsson, P. H.](#)
- [Bengtsson, M.](#)
- [Bin, Zhu](#)
- [Bjornson, E.](#)
- [Brandenburg, A.](#)
- [Brandt, L.](#)
- [Chatterjee, S.](#)
- [Dan, G.](#)
- [De, Angelis A.](#)
- [Dimarogonas, D. V.](#)
- [Fischione, C.](#)
- [Hammar, M.](#)
- [Handel, P.](#)
- [Henningson, D. S.](#)
- [Hjalmarsson, H.](#)
- [Jansson, M.](#)
- [Johansson, K. H.](#)
- [Johansson, M.](#)
- [Jonsson, P. G.](#)
- [Kleijn, W. B.](#)
- [Kragic, D.](#)
- [Lanni, L.](#)
- [Lemme, M. C.](#)
- [Lindbergh, G.](#)
- [Monti, P.](#)
- [Nee, H. P.](#)
- [Niklaus, F.](#)



Top Control terms associated with KTH



Papers per year for KTH




Conclusions and Next Steps

- Don't overthink the end state you want to achieve – dip a toe in the water and start to learn by looking at the data you have – the direction will reveal itself pretty quickly I think.
- Iterate, Iterate, Iterate!
- Show! Show! Show!
- There are many free to cheap tools out there to get views on your data – certainly to start with.
- Understanding your data model(s) as a business is probably the biggest cultural challenge; Your biggest Change challenge as well.
- Be prepared for what sunlight on your data might bring... (see change / see culture / see maturity)

What's our biggest next challenge?

- With our cloud journey comes the realisation that we have to learn a whole bunch of new data monitoring and analysis...
- Price monitoring and improvement (we pay for every CPU cycle and GB of RAM)
- Scaling and performance monitoring
- Who does that?
- All on the list to be figured out next.

A vintage microphone with a silver mesh grille and a black body, lying on a dark, textured surface. The microphone is positioned horizontally, with the grille on the left and the handle on the right. The background is dark and out of focus.

Thanks!

Q's?