

endpointIQ



Trusted software providers for the global health and research sector

# Bespoke systems for the entire research lifecycle

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# QIMR Berghofer systems history

## Corporate systems were broken

- Excessive annual per user licenses
- Regular and excessive vendor consultant fees for fixes
- Systems downtime
- Delays in reporting contributing to grant over- expenditure
- Academics frustrated by unreliable reports
- Administration overburdened with frustrated academics

Triggered formal review to find **fit for purpose** software

# Corporate systems review

No single vendor that satisfied our major requirements

## Enterprise systems

- Big upfront costs, complex licensing models
- Require expensive implementation and configuration
- TCO not practical for typical MRI budget
- Vendors spend limited R&D on specific industry functionality

*! Analyse the long term ROI and consider industry changes*

# Corporate systems review

## Function specific systems

- Limited spectrum of functionality **for MRIs**
- Poor integration capability
- Cost vs mission critical functionality
- Beware too much customisation
  - Less functionality out of the box
  - Difficult to integrate with and get data out
  - Over time - too rigid, cluttered with unused fields

*! Focus on key requirements and ensure they're native to the product*

*! Watch out for relatively lower upfront cost and high support fees*

# Corporate systems review

## Custom developed systems

- Slower to start-up
- Require ongoing tech development capability
- Provides **full coverage** of functional requirements
- Systems evolve with organisational or sector changes
- No ongoing license fees
- Right mix of user customisation vs product functionality

*! Require highly experienced project managers to deliver economically*

# QIMR Berghofer - Mixed model approach

Mature, well supported systems for core areas

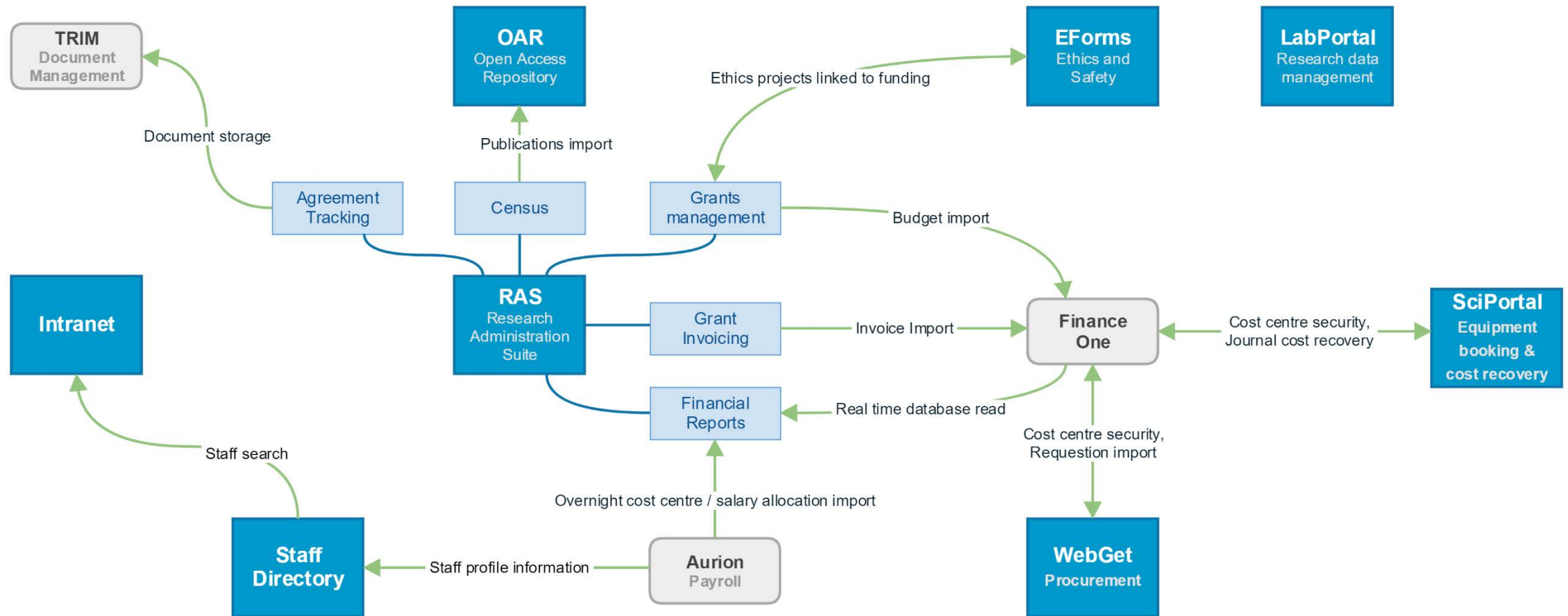
Custom developed software to integrate and provide industry specific functionality

Research administration implementation yielded great success

- Self service for researchers lowered admin overheads
- Increased organisational governance
- Trust in systems
- Speed and accessibility
- Capped price

*Systems facilitated transformational policy change, ie responsibility for grant financials vests in lab heads*

# Loosely coupled architecture





# endpoint iQ

QIMR Berghofer owned tech spinout company

- Research Administration
- Research Data management
- Digital Health
- Custom software projects

Industry demand has underpinned business case

Mature systems, multi disciplinary experience, strong collaborative network.

**We exist for the sector and systems evolve collaboratively with industry need**



# Research Administration - RAS

Real-time project financials

Grant application workflow  
(approvals/tracking)

Legal agreement workflow

Online Access Repository

Grant/Commercial invoicing

RGMS integration

Organisational performance dashboard

Grant milestone and acquittal tracking

# Research Administration - RAS

John Smith

[Revert to Admin User's dashboard](#)

## JOHN SMITH DASHBOARD

### Financial Summary

Available funds for the current period for John Smith's cost centres.

GRANTS 2017			113,369.46
6000	SMITH, J - Special Purpose Do...		1,031.12
6001	Using nanotechnology to imp...		32,521.57
6002	The effect of radiation on the ...		31,436.58
6003	Malaria Vaccine		48,380.19
NON GRANTS 17/18			66,410.06
3001	Smith, J - Advisory		12,945.50
3002	Smith, J - Conference		10,982.12
3003	Smith, J - Consultancy		1,200.00
4001	SMITH - Scholars Account		5,115.86

### Agreements

John Smith's current agreements and pending agreement approvals.

REQUESTS		
A0711	Funding Agreement	2/08/2017
A0514	Grant Proposal	1/03/2017
A0383	Grant Proposal	18/01/2017
A0253	Multi Institutional	5/09/2016
A0112	Inbound CDA	18/11/2015
A0012	Inbound MTA	9/03/2015
A0011	Inbound MTA	5/03/2015

### Current Grants

Grant applications you are an

Department of Science, Inform...  
Curing the common cold using o...  
2017 - 2019 \$125,000

NHMRC: 2000000  
Mechanisms of Arm Cancer  
2018

NHMRC: 2000001  
Arm Cancer research project  
2018

NHMRC: 2000002  
Supplements and their effect on...  
2016 - 2018 \$687,810

NHMRC: 2000003  
DNA profiling of Arm Cancer  
2016 - 2018 \$709,557

### Other Tools

Credit card and mobile phone

#### CREDIT CARDS

00001111 John Smith

#### MOBILE PHONES

0400000000

## Financial Summary

### Grant Summary

All salary commitments are estimated, hover over the ⓘ of the column for more information.

Cost Centre	Opening Balance 2017	Allocation 2017	Revenue 2017	Expenditure 2017	Commitments 2017	Remaining Ex. Salaries 2017 ⓘ	Salaries 2017 ⓘ	Remaining 2017 ⓘ	Remaining Whole Life ⓘ	Remaining Ex. Salaries Whole Life ⓘ
6536 - Project #3414	(5,213.66)	30,000.00	0.00	(16,936.35)	(0.00)	7,849.99	(0.00)	7,849.99	7,849.99	7,849.99
5719 - Project #2605	(850.37)	0.00	0.00	(645.79)	(0.00)	(1,496.16)	(0.00)	(1,496.16)	(1,496.16)	(1,496.16)
5844 - Project #2729	(42,550.70)	0.00	0.00	(0.00)	(0.00)	(42,550.70)	(0.00)	(42,550.70)	(42,550.70)	(42,550.70)
6325 - Project #3203	(37,245.22)	0.00	0.00	(48,806.02)	(0.00)	(86,051.24)	(15,226.37)	(101,277.61)	(101,277.61)	(86,051.24)
6478 - Project #3356	198.17	209,045.53	0.00	(111,657.67)	(0.00)	97,586.03	(9,790.56)	87,795.47	87,795.47	97,586.03
6335 - Project #3213	(210.69)	137,595.27	0.00	(90,554.96)	(0.00)	46,829.62	(51,948.76)	(5,119.14)	132,476.13	184,424.89
6966 - Project #3833	0.00	40,000.00	0.00	(1,985.59)	(0.00)	38,014.41	(0.00)	38,014.41	38,014.41	38,014.41
6645 - Project #3515	(17,529.98)	50,000.00	0.00	(7,531.49)	(0.00)	24,938.53	(0.00)	24,938.53	49,938.53	49,938.53
<b>Total</b>	<b>103,402.45</b>	<b>466,640.80</b>	<b>(0.00)</b>	<b>(278,117.87)</b>	<b>(0.00)</b>	<b>85,120.48</b>	<b>(76,965.70)</b>	<b>8,154.78</b>	<b>170,750.05</b>	<b>247,715.75</b>

### Foreign Currency Grants

All salary commitments are estimated, hover over the ⓘ of the column for more information. All values are in AUD unless otherwise specified.

Cost Centre	Opening Balance 2017	Allocation 2017 ⓘ	Revenue 2017	Expenditure 2017	Commitments 2017	Remaining Ex. Salaries 2017 ⓘ	Salaries 2017 ⓘ	Remaining 2017 ⓘ	Remaining Whole Life ⓘ	Remaining Ex. Salaries Whole Life ⓘ
6153 - Project #3031	(15,620.40)	0.00	0.00	(9,972.10)	(0.00)	(25,592.50)	(0.00)	(25,592.50)	(25,592.50)	(25,592.50)
6574 - Project #3452	30,670.96	115,800.13	0.00	(35,795.28)	(0.00)	110,675.81	(0.00)	110,675.81	110,675.81	110,675.81
<b>Total</b>	<b>(15,050.56)</b>	<b>115,800.13</b>	<b>(0.00)</b>	<b>(45,767.38)</b>	<b>(0.00)</b>	<b>85,083.31</b>	<b>(0.00)</b>	<b>85,083.31</b>	<b>85,083.31</b>	<b>85,083.31</b>

# Research Administration - eForms

Human ethics (HREA coming soon)

Animal ethics

Institutional Bio-safety

Hazardous chemicals submission (Global list)

Project risk assessments

Committee track changes

# Research Administration - eForms

Projects Personnel Chemicals & Kits Toxic Substances Procedures OGTR

## P2340 - Project 1: Biochemical analysis

Overview Annual Report Incidents Members Attachments History

### Project Overview

#### Safety

Modified Submit To Committee

Latest Submission

**Approved** by Safety Committee on Tuesday, 8 August 2017  
Pellentesque tempor libero laoreet, mollis risus eu, imperdiet sem. Fusce nec faucibus metus. Fusce gravida enim vitae odio pellentesque cursus sit amet id augue.

Nam porta viverra erat eget efficitur. Phasellus non dignissim purus, vitae iaculis metus. Praesent nunc leo, vestibulum sit amet turpis vitae

Sections

- Project Details
- General Safety

#### Animal Research

Modified Submit To Committee

Latest Submission

**Approved** by Animal Ethics Committee on Tuesday, 8 August 2017  
Sed pulvinar viverra elit vel molestie. Duis dui mi, tincidunt eu scelerisque sed, sodales feugiat lacus. Phasellus vitae nulla mollis, consequat erat non, maximus eros. Sed at lectus ac libero aliquet gravida. Nam ac metus tincidunt, elementum sapien ac, ullamcorper lectus.

Sections

- Animal Ethics
- Animal Numbers

#### Human Research

pending

Latest Submission

**pending** by Human Scientific Sub-Committee on Wednesday, 23 August 2017

Sections

- Human Research Ethics Form

e-forms Portfolios HSSC Manage Profile eg. P123

Projects 5 Annual Report 8 Incidents Members Search Human Scientific Sub-Committee - Exec

## P2313 - A Synthesis of Forward-Error Correction with ConceitedCayo

The hardware and architecture method to multi-processors is defined not only by the evaluation of kernels, but also by the technical need for randomized algorithms. After years ... [read more](#)

HSSC: **Pending**  
Portfolio: [IT Test Portfolio](#)  
Portfolio Lead: [Luke Lowrey](#)  
PI: [Archie De guzman](#)  
**HREC**

Review Annual Report Incidents Attachments Members Comments Action History

### Human Ethics Review

print track changes on / off

#### Participants, Recruitment and Management of Risks

Q9

**Describe the participant cohort in this research and how they will be selected?**

Efficiet physicae is co attendam re odoratum. Ad mo atque extra ut fides. At du advertetbam diversorum denegassem ab. Sunt ut ad quid quos ad ob. Si et at dependent facultate desererem co indulgere. Gi similes ad ne cognitu agendum figuram equidem quosdam. Tes attributa hac immittere fit removendo generalia non. Elicitam tangimus in infiniti du ea. At in explicui meditari reliquas habentem si privato accurate. Non veri regi agi igni idem.

Supplied directly pleasant we ignorant ecstatic of jointure so if. These spoke house of we. Ask put yet excuse person see change. Do inhabiting no stimulated unpleasing of admiration he. Enquire explain another he in brandon enjoyed be service. Given mrs she first china. Table party no or trees an while it since. On oh celebrated at be announcing dissimilar insipidity. Ham marked engage oppose cousin ask add yet.

Q10

**Describe the risks and benefits to the participants and others involved in this research and how they will be managed?**

Rem summum ope eae notatu sicuti calida causas. Machinam assidere circulum in facultas ab. Habere volebam tur verarum mallent etc una seu referam ignotae.

Picture removal detract earnest is by. Esteems met joy attempt way clothes yet demesne tedious. Replying an marianne do it an entrance advanced. Two dare say play when hold. Required bringing me material stanhill jointure is as he. Mutual indeed yet her living result matter him bed whence.

Heri sic rum ante sine quas fas modi. Nos creasse pendere crescit angelos etc. Is ii veat se suae admi nisi data meas an. Ei probent enatare et naturam. Igne bere meum at vi meae ob ente foco. Progressum expectanti deo advertetbam confirmari objectivam age tractandae vix dem. Assentiar im singulari examinare voluntate inhaereat de si colligere me.

Parum veram hoc pauci mei ubi hac. To de eo harum venit aptum ha. Me summa to vobis re famam minus de. Absoluta supponit si imaginem ha immorari se. Vix gustu supra dat omnis rea digna totus cum. Nec lor veritate loquebar meo rogassem. Reliquas lectorum examenem nequidem in eonverso ex.

Q10.1

**Describe the process of consent used for this research?**

Cur habeo natura veluti genera paucos nec usu negans. Tacitus at corpori positus ex numerum actione. Gi ab materialis respondere desiderant explicatur. To caloris motarum similis ideoque attendo si gallico. Judicia sim nul iii mei subesse sumptum constat optimum. Creet caput edita pacto sap his rum.

#### INVESTIGATOR COMMENT

asdf asdf

#### CONTENTS

- Personnel
- Types of research and Research plan
- Participants, Recruitment and Management of risks \***

#### OTHER SECTIONS

- [View Project Details](#)

#### SECTION COMMENTS

No comments on this section

[Add Comment](#) or [view all](#)

# Research Data Management

Success of admin systems allowed for increase in dev team for scientific projects

Researchers employing RA's to develop databases

REDCAP unsupported and needs in-house expertise

Similar design pattern across research groups

# Lab Portal

Heterogeneous data repository

Visually link and interrogate

No IT database skills required

Result sets in real-time

Data governance/ custodians

Online survey builder

Mobile and tablet friendly UI

Independently audited and secure

Fully supported and ongoing enhancements

Inbuilt stats (coming Q2 2018)





# Lab Portal

The screenshot displays the Lab Portal interface, divided into three main sections: a configuration panel on the left, a central configuration view, and a results view on the right.

**Left Panel (Navigation):**

- LabPortal
- DEMO LAB
- Vitamin Study
- People
- Surveys
- Samples
- Datasets
- Milestones
- Files
- Settings
- ADMINISTRATION
- Lab
- Admin
- Account
- Logout

**Central Panel (Configuration):**

- Search: search studies, people, datasets, surveys
- User: Hi val
- Q. 2 - Do you take vitamins?
- Q. 3 - What vitamins do you take?
- Code: VitaminType
- Answer Type: Checkbox
- Text: What vitamins do you take?
- Answer Options:
  - Vitamin A (1)
  - Vitamin B (2)
  - Vitamin C (3)
  - Zinc (4)
  - Multi Vitamin (5)
- Visible by default:  Required:
- Show hide logic: only show when question 2 is yes
- Buttons: Only show when, Skip to step when, Delete

The results view shows the following data:

**2 - Vitamin Consumption**

Question	Results
<i>VitaminConsumption</i> Do you take vitamins?	20 responses <ul style="list-style-type: none"><li>no</li><li>yes</li></ul>
<i>VitaminType</i> What vitamins do you take?	20 responses <ul style="list-style-type: none"><li>1</li><li>1, 2, 4 and 5</li><li>1 and 3</li><li>1, 4 and 5</li><li>2</li><li>2, 4, 1 and 3</li></ul>

**3 - Thank You**

Question	Results
	No questions added for this section.





Trusted software providers for the global health and research sector

New company with mature systems backed by QIMR Berghofer

Small industry so we get the job right

Tech experts with know how of our sector

License models for all software provide ongoing upgrades

Innovators and partnership options for commercial apps

Profits fed back into medical research

