

British Innovation Fund

For discussion purposes with Professional Investors only





1Q 2020

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• Seeking investment for the British Innovation Fund

- Looking for investments of £5m-£25m ability to shape individual portfolio at the higher end
- Opportunity to invest in cutting edge spin-outs emanating from leading UK university research
- Spin-out companies already incubated British Innovation Fund acts as an accelerator

Current investor universe UK pension schemes HNW individuals

Target investor universe

UK pension schemes Sovereign wealth funds Family offices HNW individuals





EXECUTIVE SUMMARY Milltrust International

Milltrust International Group ("Milltrust"):

- Leading UK and Singapore-based investment group
- Founded in 2010 by experienced team of institutional investors
- Focussed on sustainable investing











Provider and investment manager for a range of sustainable investment solutions centred around:

- Global Emerging Markets;
- Agriculture farmland;
- Science, technology & innovation; and
- Sustainable impact investments



Note: ¹Morningstar, the FT and Bloomberg since strategy inception in July 2012 Credit: Icons made by Freepik, monkik and mavadee from www.flaticon.com





EXECUTIVE SUMMARY MAI overview



Milltrust Agricultural Investments ("MAI") is the advisor to Milltrust International Managed Investments ICAV Australia and New Zealand Buy & Lease Farmland Funds; and the British Innovation Fund





The farmland funds are focussed on **agricultural investments in the southern hemisphere**. The approach capitalises on the changing demographics of the developing world, aiming to provide investors with an **income generating**, **inflation adjusted**, **long duration investment** that is **lowly correlated with other asset classes** The investment universe for the British Innovation Fund ("BIF") is **university commercialisation companies** and **spin-out companies** emanating from UK **universities**. The fund has specific expertise within the areas of **agricultural technologies, biotechnology, deep tech** and **life sciences**





The investment team has an average of **20 years' investment management experience** and consists of **knowledgeable investment specialists** and **agricultural** and **scientific experts**, comprising an executive management team as well as a panel of advisors



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EXECUTIVE SUMMARY History of MAI and the BIF

Milltrust mandated for capital raising and agricultural acquisition advice between 2011-2015

MAI founded in 2015, followed by Australia and New Zealand farmland funds

Leo foc scie M

Led to greater focus on Agriscience within Milltrust and MAI Creation of BIF in 2017; and founding investor in Roslin Technologies

Recognition of wider opportunity to invest in science and technology – British Innovation Fund created to pursue these opportunities





EXECUTIVE SUMMARY BIF to date

Areas of speciality

Agricultural **Biotechnology Technologies Life Sciences Deep tech**

Key strengths

Distinct investment universe identified, supporting **healthcare** and **technology** focussed spin-outs

Extensive relationships built with the following across the UK:

- University research centres;
- University commercialisation companies and incubators;
- University spin-out networks;
- Angel investor groups; and
- Venture capital investors.

Invested in Roslin and OSI alongside the likes of Lansdowne Partners; Blue Pool; IP Group; JB Equity; Temasek; and Wellcome Trust

The spin-out space is receiving serious investment – since 2015 Milltrust has built a unique position to maximise the significant opportunities on offer through the BIF

Credit: Icons made by smalllikart, Eucalyp and Freepik from www.flaticon.com





EXECUTIVE SUMMARY Core team



Griff Williams, CFA CEO & CIO, Milltrust Agricultural Investments

- Primarily responsible for advising Milltrust International, the investment manager, on the British Innovation Fund and the MAI Buy & Lease Funds
- Previously Head of Europe and interim CEO at Itau Asset Management in London



Simon Hopkins CEO & Founder, Milltrust International Group

- Senior figure in the investment management industry for more than three decades
- Founded Fortune Group, a multi asset class advisory firm which was sold to Close Brothers Group plc in 2006, following senior roles at UBS, HSBC and Nomura



Guy Pengelley Investment Director, British Innovation Fund

- Primarily responsible for developing the British Innovation Fund
- Previously worked in corporate finance at Peel Hunt, having completed the ACA qualification at Deloitte within Financial Advisory





EXECUTIVE SUMMARY Core team



Alexander Kalis Managing Partner, Milltrust International Group

- Head of Investments and Senior Portfolio Manager for the MAI Buy & Lease Funds and the British Innovation Fund
- Nearly two decades of experience at top-tier asset management firms including Edmond de Rothschild Asset Management and Santander Asset Management

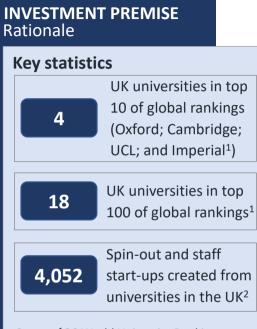


Gary Thornton Head of Finance and Operations, Milltrust International Group

- Accounting and finance professional with over two decades of experience
- Previously Head of Finance and Operations within the institutional team at Close Asset Management having been Finance Director at Fortune







Source: ¹QS World University Rankings 2020; and Higher Education Business; ²Community Interaction (HEBCI) surveys 2002/03 - 2017/18

British Innovation Fund ("BIF") rationale

UK universities struggling to raise capital to commercialise world class research

BIF provides capital to support early stage spin-out companies through investment via:

- University commercialisation companies and university incubators; or
- Directly into spin-outs.

Spin-outs must have a viable commercial business and generate revenue

Advanced ideas reside in academia – incubators search these out and come to us for acceleration funding once proven





INVESTMENT PREMISE Rationale

Five year survival rates:

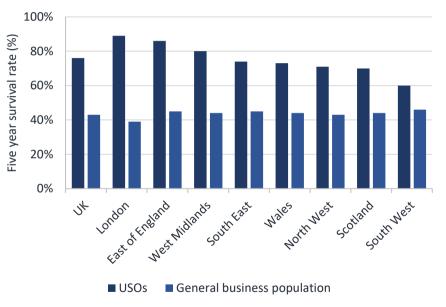
43% for general population of new enterprises in the UK versus 76% for university spin-outs¹

USO² survival rate data differs³, but remains ahead of the ONS survival rate for the general business population:

- Spinouts UK 60%
- USO database 61%
- Gateway to Research 75%
- Beauhurst 88%

Note: ¹Office for National Statistics; ²USO = University spin-out ; and ³Overall survival rates for USOs, incorporated up to 2015.

Spin-outs outperform the broader start up universe



Source: 'Developing University Spinouts in the UK': Technical Note for Research England, July 2019 Note: USOs incorporated in 2014, General business population incorporated in 2012





INVESTMENT PREMISE Origination

Incubators and University Commercialisation Companies ("UCCs")

- University bring IP / commercial ideas to the UCC and incubators
- Experienced teams at the UCC and incubators invest into most promising and share with the BIF
- BIF team and advisory committee assess recommendations before deploying capital
- Additionally, UCCs and incubators provide mentorship to spin-outs

University investment network

- University networks host monthly investment and networking events
- Correspondence showcasing promising companies outside of these events
- Access to online platform with all spin-out investment opportunities

Investor network of angels and VCs

- Frequent communication with other investment professionals, sharing ideas and opportunities
- BIF able to participate in both initial and subsequent rounds
- Key relationships:







INVESTMENT PREMISE Investment universe

- Scottish Universities
- N8 Research Partnership
- Midlands Innovation
- SETsquared Partnership
- 🔺 Golden Triangle

Membership of key networks:

Minerva

MICRA

Cambridge Capital Group

London Technology Club



Aberdeen, Dundee, Edinburgh, Glasgow, St Andrews & Stirling

Durham, Lancaster, Leeds, Liverpool, Manchester, Newcastle, Sheffield and York

Aston, Birmingham, Cranfield, Keele, Leicester, Loughborough, Nottingham and Warwick

Bath, Bristol, Exeter, Southampton and Surrey

Universities located in the cities of Cambridge, London and Oxford





INVESTMENT PREMISE Portfolio structure

Top 10 holdings

- #1 Attomarker
- #2 Pragmatic Printing
- **#3** Evox Therapeutics²
- #4 Osler Diagnostics²
- **#5** Oxford Nanoimaging²
- **#6** Vaccitech²
- **#7** Diffblue²
- **#8** Ultromics²
- **#9** YASA Motors²

#10 Oxmet Technologies² Note: ¹Ranked by value as at 31 December 2019; and ²Indirect holding

Direct investments

UCCs and Incubators:



Tailored portfolios

- Portfolio reflects current investor requirements
- £5m-£20m investment augments construction of targeted portfolio weighting of:
 - 65-75% spin-outs, spread across 10-20 investments; and
 - 25-35% UCCs and incubators.
- £20m+ investment can be structured as separate vehicle with bespoke portfolio

Source: OSI unaudited accounts as at 31 December 2019; and BIF unaudited NAV calculation as at 31 December 2019





INVESTMENT PREMISE Targeted portfolio

Current portfolio					Targeted por	tfolio construction
Company	Cost	Current valuation	Movement	Exposure	Spin-outs 65-75%	Incubators and UCCs 25-35%
ROSLIN Technologies	£10.0m	£15.0m	+50%	5 business units		
OSI	£4.1m	£4.1m	-	78 spin- outs	Ticket size	
	62.0.4	62.0.4		-	Initial spin-out	£1.0m-£2.5m
Λttomarker	£3.0m	£3.0m	-		Follow-on	£2.5m-£4.0m
Des services to the	£2.0m	62.0.4	. 420/	2% –	UCCs	£2.0m
PragmatiC		£2.9m	+42%		Incubators	c.£2.0m per project

Source: BIF unaudited NAV calculation as at 31 December 2019





INVESTMENT PIPELINE Approach

Selection:

Rigorous selection criteria & due diligence process.

Final sign-off required by specialist experts on the Investment Advisory Committee

Targeted investment rounds: Seed; Series A; or Series B

BIF funding post-initial investment: Either supported by the BIF and / or marketed to our network of similar VC investors

Sourcing of opportunities and target performance

- Network of universities, UCCs and VCs regularly sharing interesting investment prospects
- Opportunities analysed to ensure they fit to key themes: agriscience and sustainability, health improvement, clean energy
- Are companies aligned to universities with pioneering speciality?
 - Edinburgh agri-science
 - Oxford science and healthcare
 - Cambridge life sciences and technology
- Follow up meetings with most promising companies

Target IRR of 20%, including dividend payments from portfolio companies and significant capital appreciation

Exit strategy: longer term investors, plan to exit after 5-8 years via trade sale; sale to private equity; or IPO





INVESTMENT PIPELINE Live discussions

Healthcare

- Surrey University spin-out
- Founder has 2017 Women-in-Innovation award
- Patented device accurately measures radiation levels inbody during radiation therapy, reducing patient damage
- Close to regulatory approval
- Due for commercialisation in late 2020 with **hospitals signed-up**
- Other uses beyond healthcare

Agri-tech

- Oxford University spin-out
- Agriculture technology company working to revolutionise the market for animal feed protein
- Developing cutting-edge growing systems to grow a soybean meal replacement crop
- Technology builds upon recent progress in vertical farming and horticulture systems, allowing efficient, reliable production

Agri-tech

- Newcastle University spin-out
- Exclusive license for world-class agri-tech and IP from Newcastle University
- Designs innovative agridiagnostic products for on-farm crop efficiency and animal health management
- Three projects with potential sales of c.£100m p.a. in 5-10 years

Selected opportunities from exciting pipeline of near-term investment prospects





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INVESTMENT PIPELINE Longer term opportunities

Bio-tech

- Oxford University spin-out
- Proprietary protein superglue technology to **develop vaccines**
- Applicable to wide range of diseases
- Exclusive license from Oxford University and other patents filed
- Supported by OSI and Google Ventures

Deep Tech

- Oxford University spin-out
- First and only player to aggregate genetic data on a global level
- Target customers are researchers, pharma and direct-to-consumer genetic testing companies
- Gifted team of scientists; a 2019 Forbes Asia 30-Under-30 winner; and a former Microsoft executive
- **Top 10** Innovative Blockchain Start-ups to watch in 2019

Agri-tech

- Cambridge University spin-out
- Experienced team of scientists with **prior spin-out experience**
- Solution to plastic waste a natural alternative to plastic created from plant protein
- Patented products are entirely biodegradable
- High performance plant protein materials offer a potential revolution in packaging

Currently at seeding stage and / or pre-revenue – the BIF team maintains close contact to monitor progress





Opportunity to invest in a diversified portfolio of exciting, entrepreneurial businesses with huge growth potential

Ability to support companies formed from world-class UK university research focussing on sustainability, agri-science, technology and health improvement

Strong pipeline of spin-outs currently looking for investment

Target IRR of 20% with 5-8 year exit strategy

Experienced investment team alongside highly knowledgeable, independent advisory committee





"Investor focus on **sustainable investment** and **ESG factors** has significantly increased recently. Large fund managers have publicly stated their aim to allocate a greater proportion of funds to sustainable strategies over the next decade¹ Milltrust's investment thesis, since establishment in 2010, has been built around **sustainable investment** and **safeguarding the environment**. Milltrust has **successfully delivered sustainable solutions** to clients for a **decade**; its investment professionals have developed considerable knowledge, expertise and experience to continue successfully supporting clients in a wholly sustainable manner."

Simon Hopkins, CEO & Founder, Milltrust International Group

(¹Financial Times article 14 Jan-20)





APPENDICES British Innovation Fund

A1	Fund	inform	ation

- A2 Roslin Technologies
- A3 Oxford Sciences Innovation
- A4 Attomarker
- A5 PragmatIC Printing





FUND INFORMATION Structure and advisors

Platform: Milltrust International Managed Investments ICAV

Domicile: Dublin, Ireland

Regulatory regime: QIAIF

AIFM: KB Associates

Investment Manager: Milltrust International LLP

Investment Adviser: Milltrust Agricultural Investments Ltd

Administrator: MUFG Alternative Fund Services (Ireland) Ltd

Custodian: Mitsubishi UFJ Investor Services & Banking (Lux)

Auditor: KPMG

Legal: William Fry

Fund terms

Structure:	Open-ended Investment Company		
Inception date:	25 November 2016		
Currency:	GBP		
Management fee:	2%		
Performance fee:	20% over hurdle rate		
Hurdle rate:	8%		
Subscription terms:	10 years; and two trading days annually		
Investor types:	For Professional & Accredited investors only; Registered for distribution in UK & Ireland		
Reporting:	Bi-annual NAV calculation; quarterly portfolio commentary		





FUND INFORMATION IAC members



Mark Ebert, CPA

- Senior figure in the investment world with over three decades' of experience managing investment banking, equity brokerage, private equity and asset management businesses
- Most recently Chairman of the Fortune Group in London and co-founder of Quadrum Partners in Zurich, focussed on advising investment managers



Dr Kenny Tang, CFA

- Founder and CEO of Oxbridge Climate Capital, an investment and advisory house and thought leader in the environmental, low carbon, clean tech and climate change spaces
- Lead author of "Taking Research to Market: How to Build and Invest in Successful University Spin-outs"
- Earned his doctorate at Cambridge Judge Business School, Cambridge University's business school

Griff Williams and **Simon Hopkins** are also IAC members Discussions are currently progressing in relation to the addition of further experts to the IAC





ROSLIN OVERVIEW Portfolio – Incubator

Key shareholders The University of Edinburgh British Innovation Fund JB Equity

Funding rounds April 2017: £10 million Seed round May 2019: £10 million second tranche of Seed round



Roslin Technologies

- World-leading Animal Bioscience Research company established as the commercialisation arm of the renowned Roslin Institute and University of Edinburgh's Royal (Dick) School of Veterinary Studies
- Exists to deliver breakthrough commercial solutions in the Animal Health, Breeding/Genetics and Animal Nutrition space
- Offers opportunities for investors looking to capitalise on the growing demand for food and agricultural products
- No spin-outs currently; once key projects are more progressed the intention is to spin these out as individual companies
- BIF instrumental in setting up Roslin Technologies both in advising on the project and investing as a founding shareholder

Now generating **revenues of >£1m** (FY19) across various projects, with significant growth forecast

Source: Roslin Technologies management information as at 31 December 2019





ROSLIN PROJECTS Portfolio – Incubator

Early-stage projects DestiNa JV Insect Project Shrimp Project Trout Project

New projects and opportunities are constantly assessed for viability – at present, there are almost 30 such prospects being looked at



Overview of business units

Roslin Pigs: Pathogen free facility to produce both Gene Edited and non-Gene Edited animals for animal modelling and for breeding

Frozen Aviary: Allows the extraction, cryopreservation and faithful recovery of male and female primordial cells for avian species

Animal Cells: Focussed on the development of induced pluripotent stem cells (iPSCs), which have numerous applications across medicine

Biopharming: Producing transgenic hens which lay eggs rich in specifically targeted therapeutic proteins to treat various conditions

E-Coli Vaccination: Progressing the commercial development of an E. coli vaccination for cattle to prevent life-threatening illnesses

Source: Roslin Technologies management information as at 31 December 2019





OSI OVERVIEW Portfolio – UCC

Key shareholders Lansdowne Partners (UK) LLP IP Group plc Invesco Asset Management Braavos Capital OUEM University of Oxford The Wellcome Trust Sequoia Heritage Temasek The British Innovation Fund



- Commercialisation partner of Oxford University
- Significant stake in every qualifying spin-out company emanating from any of the university science departments
- Current portfolio has grown to almost 80 spin-out companies since operations began in 2015
- OSI has raised more than £600m from a diverse group brought together by a commitment to build thriving science and technology companies from Oxford

Portfolio developed from eight investments in 2015 to **78** at the **end of 2019**

Source: OSI management information as at 31 December 2019





OSI PORTFOLIO Portfolio – UCC

Key investment segments Deep Tech Digital Health Life Sciences Software and Al





Evox Therapeutics Biotechnology company focussed on harnessing and engineering the natural delivery capabilities of exosomes to develop an entirely novel class of biotherapeutics

Oxford Nanoimaging Commercialising the Nanoimager, a portable super resolution microscope, ONI now has customers using its products in leading laboratories across the globe **Osler Diagnostics** Creator of a portable device which can test a range of disease biomarkers in 10-15 minutes as accurately as a laboratory test

Vaccitech

Breakthrough vaccine delivery platform has proven in patient results developed by the world's top vaccine specialists. Pipeline of vaccines include universal influenza and prostate cancer

Source: OSI management information as at 31 December 2019





OSI PORTFOLIO Portfolio – UCC

Key investment segments Deep Tech Digital Health Life Sciences Software and Al





Diffblue

Software creator using AI to write tests to catch errors and protect from regressions and bugs. Customers include Goldman Sachs and Amazon Web Services

YASA Motors

Supplies custom and off-theshelf e-motors and controllers to automotive customers based on a unique patented motor technology

Ultromics

World's first outcomes-driven, Al-based ultrasonic diagnostic support solution for coronary artery disease. Partnerships with leading cardiology clinical centres in the US and the NHS

Oxmet Technologies

Develops, licenses, and manufactures proprietary alloys, alloy powders and alloy components for the aerospace, automotive, industrial and biomedical markets

Source: OSI management information as at 31 December 2019





ATTOMARKER OVERVIEW Portfolio – spin-out

Key shareholders University of Exeter The British Innovation Fund Merlin Investors (Individuals)

Funding rounds June 2017: £0.5 million seeding October 2017: £2.5 million Series A



Attomarker

- A spin-out from the University of Exeter, Attomarker has developed a small, simple-to-use blood testing device able to perform blood tests from a single pin-prick of blood, with results in c.5 minutes
- Multi-patented technology collects the blood sample on a disposable credit-card sized chip which slots into a mobile device, docked to an iPhone. The iPhone camera visualises the blood tests which are then interpreted by the iPhone.
- The device represents a major advance in global healthcare management, delivering mobile, low cost, fast and accurate results
- Short-listed as one of the top four global contenders for the prestigious Longitude Prize

Currently undertaking a funding round, with significant interest from leading global healthcare organisations

Source: Attomarker management information as at 31 December 2019





PRAGMATIC OVERVIEW Portfolio – spin-out

Key shareholders

Cambridge Innovation Capital ARM Technology Investments Avery Dennison The British Innovation Fund

Funding rounds

January 2015: £5.4 million Venture round

October 2016: £18 million Venture round

January 2019: £13.2 million funding round

PragmatIC

Pragmatic Printing

- A spin-out from the University of Cambridge, PragmatIC Printing provides a unique technology platform to create innovative, ultralow cost flexible integrated circuits ("FlexICs")
- Delivers FlexICs which are thinner than a human hair and can be easily embedded into everyday objects
- FlexICs enable the potential for trillions of smart objects that can engage with consumers and their environments
- PragmatIC's products are being adopted by a growing base of global companies across diverse markets, including the consumer goods; games; retail; pharmaceutical; and security sectors

Rights issue in January 2019 completed at a **42% premium** to the BIF's in-price

Source: Pragmatic management information as at 31 December 2019





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Milltrust International Group

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