

Experimental Cancer Trial Finder (EC Trial Finder)

—bringing innovation to trial searching

Siru Virtanen, PhD
EC Trial Finder business owner
ECMC Programme Office
May 2019



Jointly
funded by:



USER FEEDBACK



4.4/5

”It’s very intuitive and the search filtering is very good.”

“This (contact details) is one of the more useful aspects as it really reduces the time that it takes to get a patient onto a trial. ”

“It makes the whole of the UK available to a patient. It is very powerful”

Our journey from an idea to innovation





How we can make
finding trials easier?



How we can make finding trials easier?

Over 80% of medical research is delayed due to lack of patient participation

The ECMC Network identified the lack of national visibility of open early-phase oncology trials as one of the main hurdles for efficient patient referral

Several publicly available trial databases exist, but they struggle to meet the needs of the clinical staff

Identifying trials is challenging and time consuming

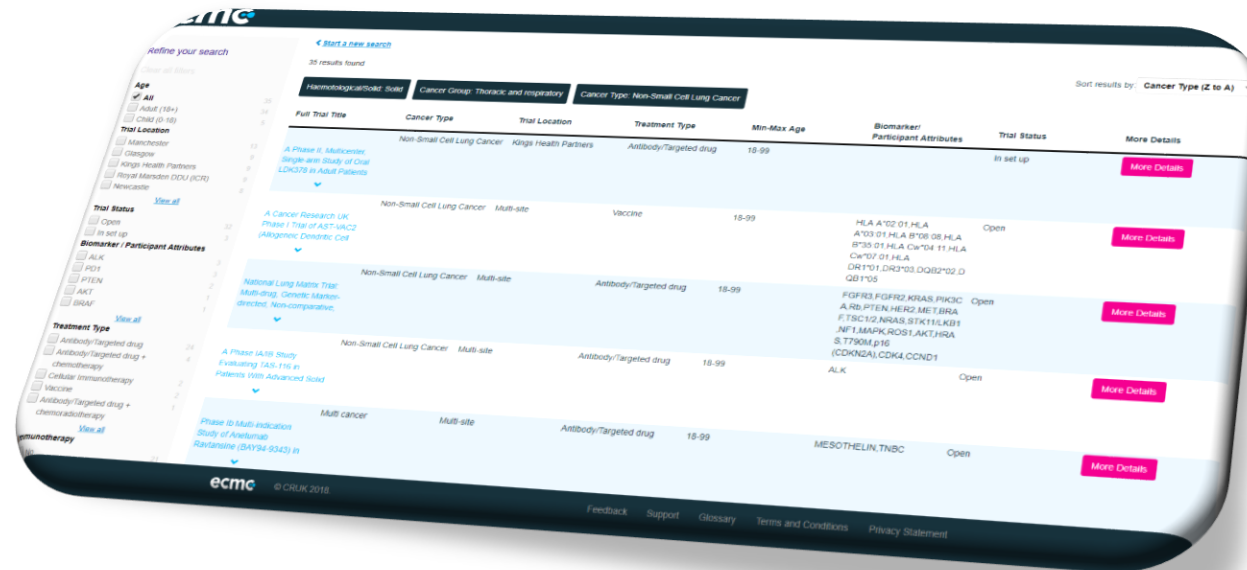
How we can make finding trials easier?

Over 80% of medical research is delayed due to lack of patient participation

The ECMC Network identified the lack of national visibility of open early-phase trials as one of the main hurdles for enrollment referral

Several publicly available clinical trial databases exist, but they do not meet the needs of the clinician searching for trials

EC Trial Finder –our new trial finder tool



User-friendly search



Relevant contact information



Accurate and up-to-date

A hand holding a glowing lightbulb against a bokeh background. The lightbulb is the central focus, held by a hand from the bottom. The background is filled with out-of-focus lights in warm tones like orange and yellow, creating a bokeh effect. A semi-transparent dark grey horizontal bar is positioned across the middle of the image, containing the text.

LESSON 1: IT IS NOT ABOUT THE IDEA

INNOVATION =

INNOVATION ≠ INVENTION

INNOVATION \neq INVENTION

faster

better

easier

INNOVATION = INVENTION *x TIME x RESOURCES x NETWORK*

faster

better

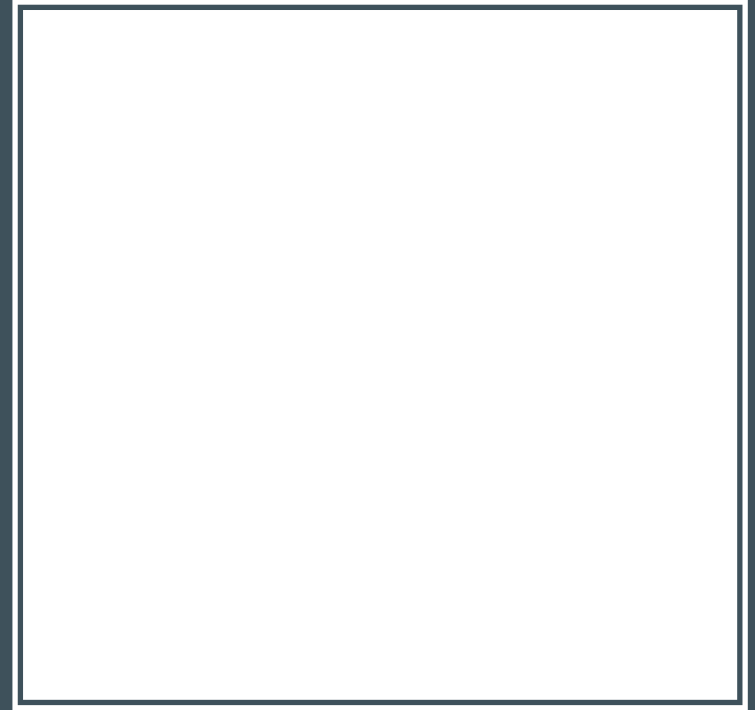
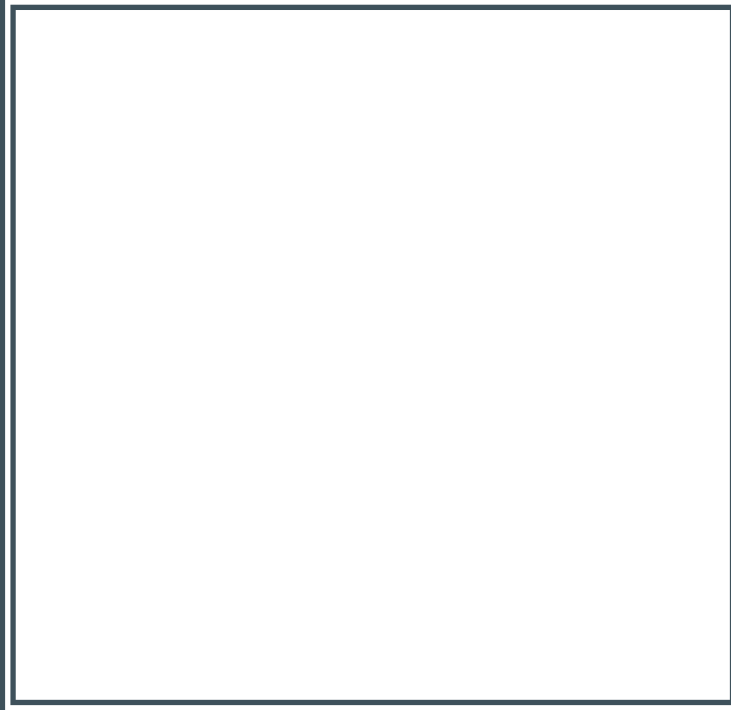
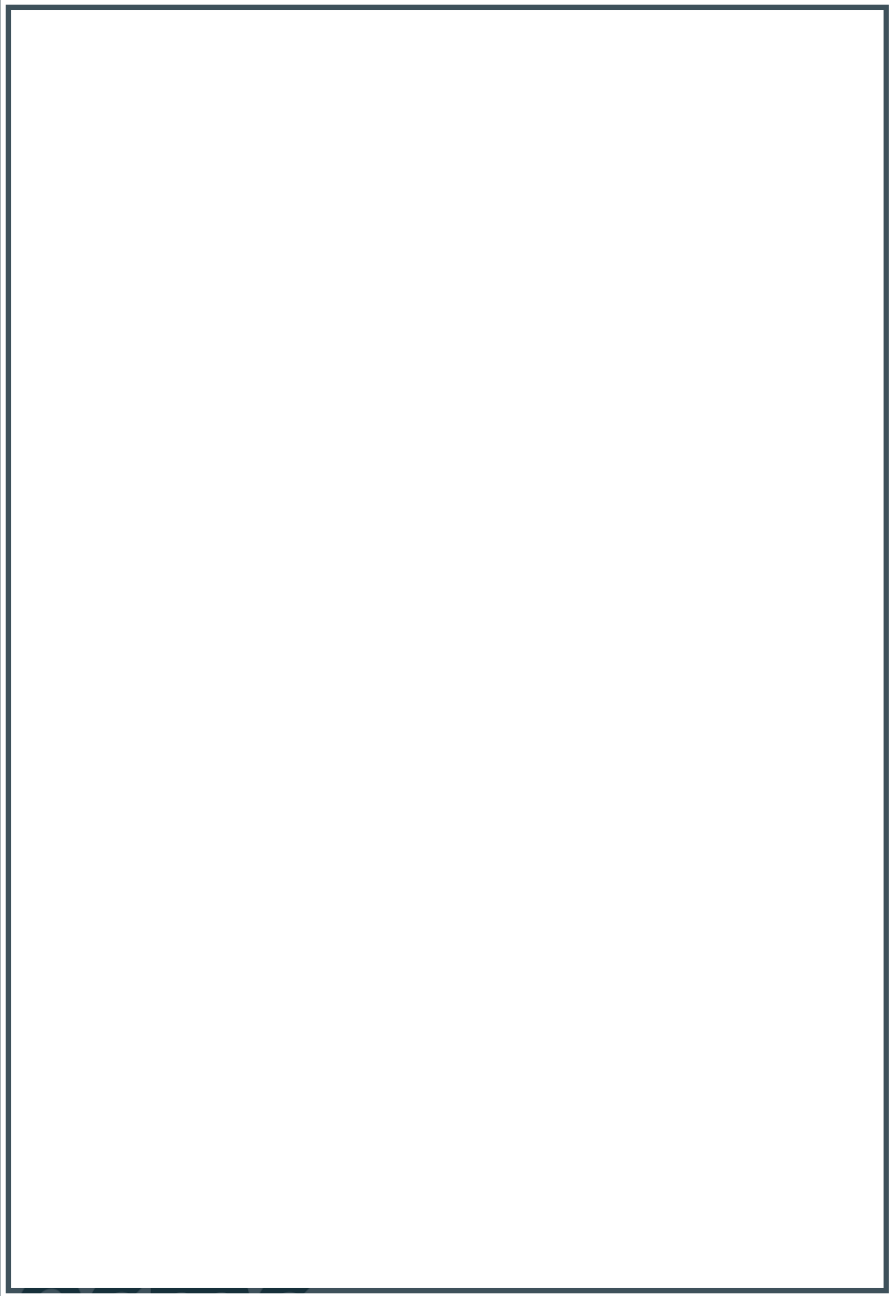
easier

INNOVATION = INVENTION x **TIME X RESOURCES X NETWORK**

faster

better

easier



What it took to bring EC
Trial Finder to life?

Legal framework

ECTF LETTER OF INTENT



Cancer Research UK
Angel Building
407 St John Street
London EC1V 4AD
United Kingdom
020 7242 0200
cruk.org

25th April 2018

Dear

Re: Database for More Efficient Matching Of Patients To Clinical Trials in Oncology

Firstly, thank you for the information you have agreed to providing to assist the new database development alongside us and in this letter, I hope that CRUK intends to provide information and guidance with other members of the ECCTC Network who have agreed to participate in the pilot.

The pilot will be our primary aim and should be used to inform the ECCTC.

Given the sections 6 and 6(1) inclusive and Annex 1, this letter is not intended to be legally binding or enforceable.

This letter is intended to cover Phase 1, as described in section 2 below, and a multi-party collaboration agreement to be negotiated and entered subsequently is intended to cover entry into Phase 2 as further described in section 3 below. Therefore, CRUK may decide to enter into and continue Phase 2 under this letter in accordance to the best multi-party collaboration agreement having consulted with the ECCTC members and subject to approval of the CRUK. CRUK's representatives do not accept any legal liability for Phase 2 under this Letter of Intent. For the avoidance of doubt, neither party shall be under any obligation to continue into Phase 2.

1. Background

Data

Category	Data item
Descriptive	IRAS, title, location, treatment type
Status	Trial and recruitment status
Eligibility	Cancer type, age, mol. stratification
Contact	PI and 1-2 additional contacts
Other	Hyperlink, notes

Tool



What it took to bring EC Trial Finder to life?

A dark, textured background consisting of irregular, rectangular stone tiles in shades of dark blue, black, and grey. The tiles are arranged in a staggered pattern, creating a rough, masonry-like appearance. A semi-transparent horizontal band is centered across the image, containing the text.

LESSON 2: TEST AND PERSEVERE

USER RESEARCH –Test, not ask

USER RESEARCH – Test, not ask



USER RESEARCH – Test, not ask



Howard Moscovitz

USER RESEARCH – Test, not ask

The pre-Howard time:

Tell us, what do you want in a spaghetti sauce?



Howard Moscovitz

USER RESEARCH – Test, not ask

The pre-Howard time:

Tell us, what do you want in a spaghetti sauce?



Please test and tell us what you think?

Howard Moscowitz

USER RESEARCH –Test, not ask



IT TAKES TIME AND RESEARCH TO UNDERSTAND WHAT REALLY WORKS

"The mind knows not what the tongue wants."

Howard Moskowitz



ECMC Search Engine

Please use any of the below fields to search clinical trials

Cancer Type	<input type="text"/>	Molecular Stratification	<input type="text"/>
Cancer Sub-Type	<input type="text"/>	Trial Type	<input type="text"/>
Location	<input type="text"/>	Age	<input type="text"/>
Recruitment Status	<input type="text"/>	Free-text Search	<input type="text"/>

SUBMIT SEARCH

1st Prototype

Search page build based on the initial user requirements

EC Trial Finder

Please start by selecting the type of cancer you want to see trials for

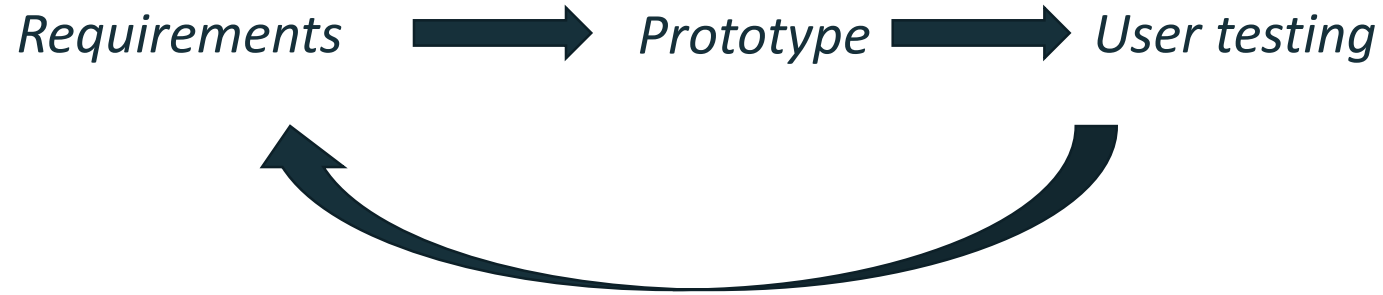
Solid Haematological



Current tool

Search page build after several rounds of testing and iteration

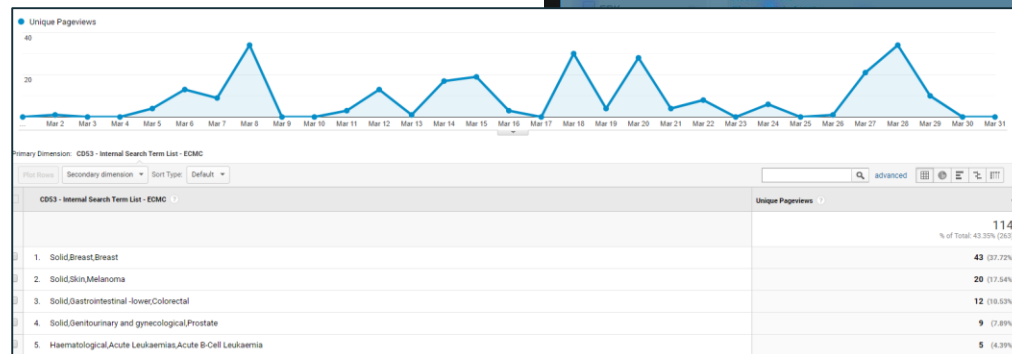
1. Development cycle



2. Don't stop there – continue research and testing after the product release

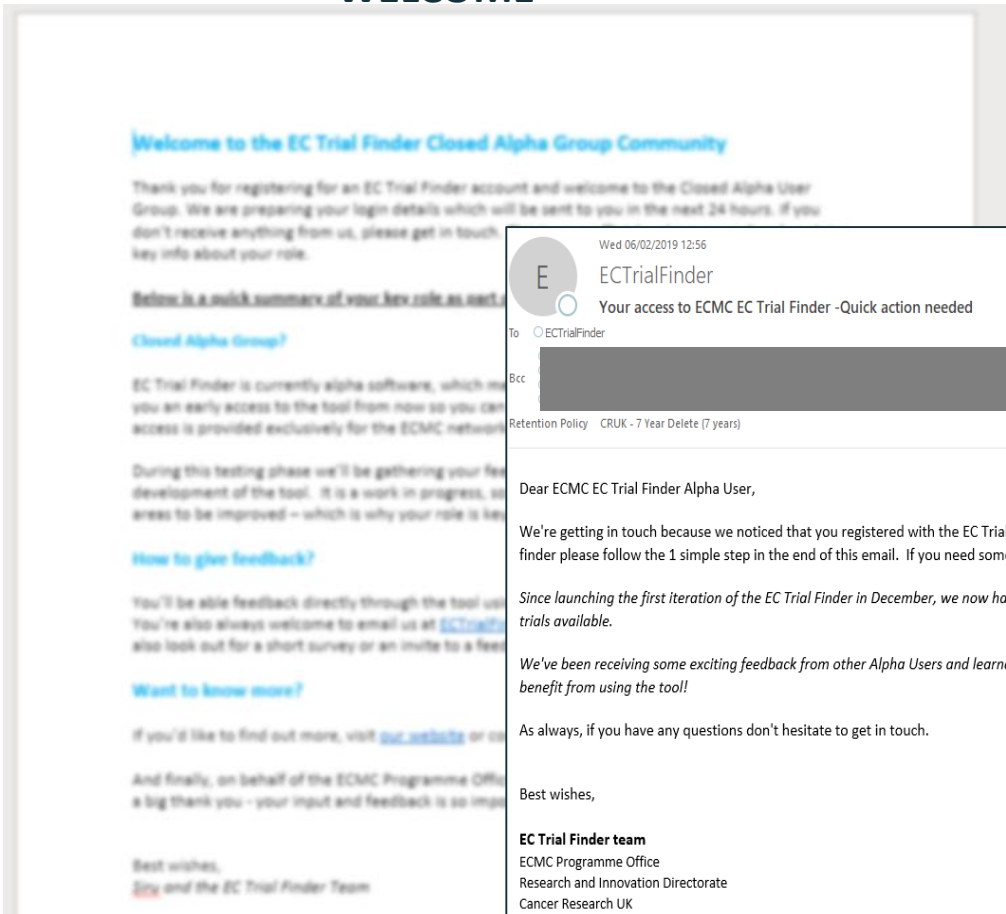


Full Trial Title	Cancer Type	Trial Location	Treatment Type	Min-Max Age	Biomarker/Participant Attributes	Trial Status	More Details
A Randomised Phase IIb Trial of Bevacizumab	Neuroblastoma	Multi-site	Antibody/Targeted drug + chemotherapy	1-10		Open	More Details
A phase I study of ... mIBG, followed by ...	Neuroblastoma	Southampton	Antibody/Targeted drug + chemoradiotherapy	1-11		Open	More Details
A Cancer Research UK	Neuroblastoma	GOSH	Cellular Immunotherapy	1-11		Open	More Details
...	...	...	...	...	...	Open	More Details
...	...	...	...	...	...	Open	More Details
...	...	...	...	...	...	Open	More Details

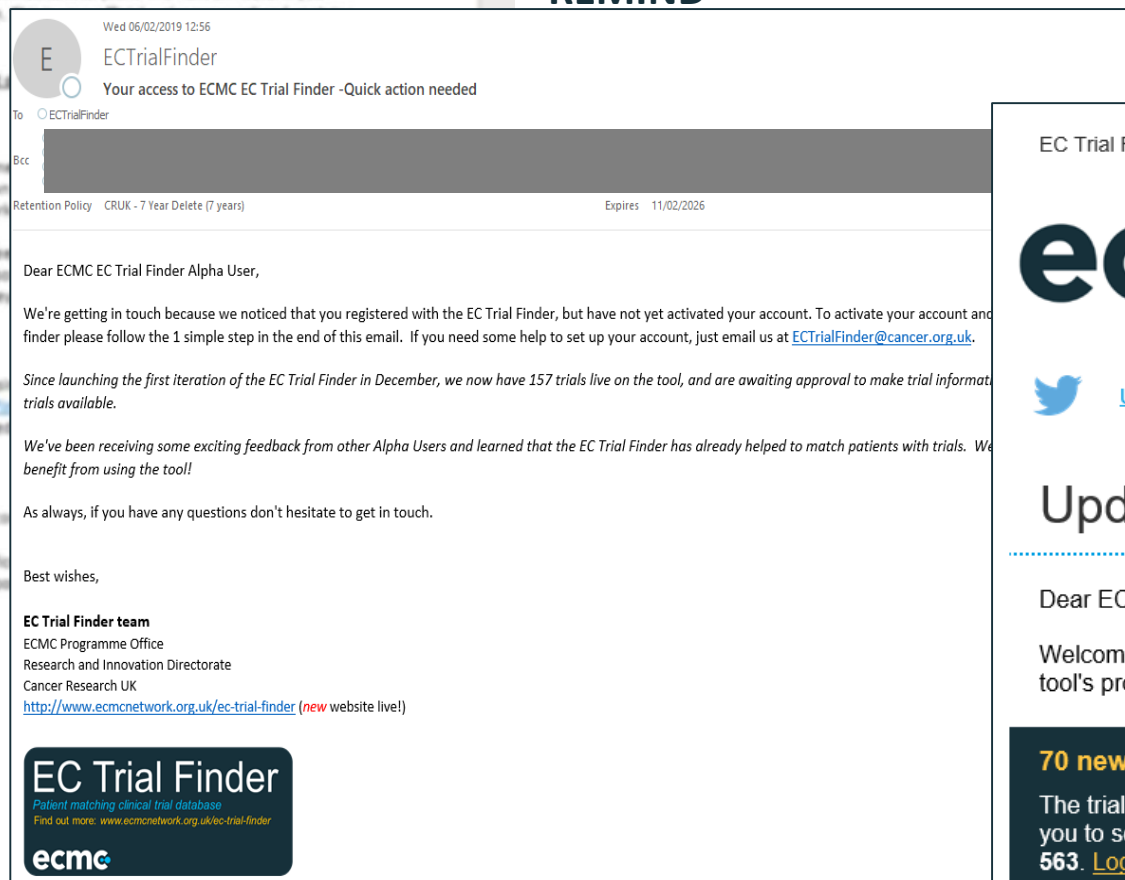


3. And still don't stop: adapting something new –user engagement is critical

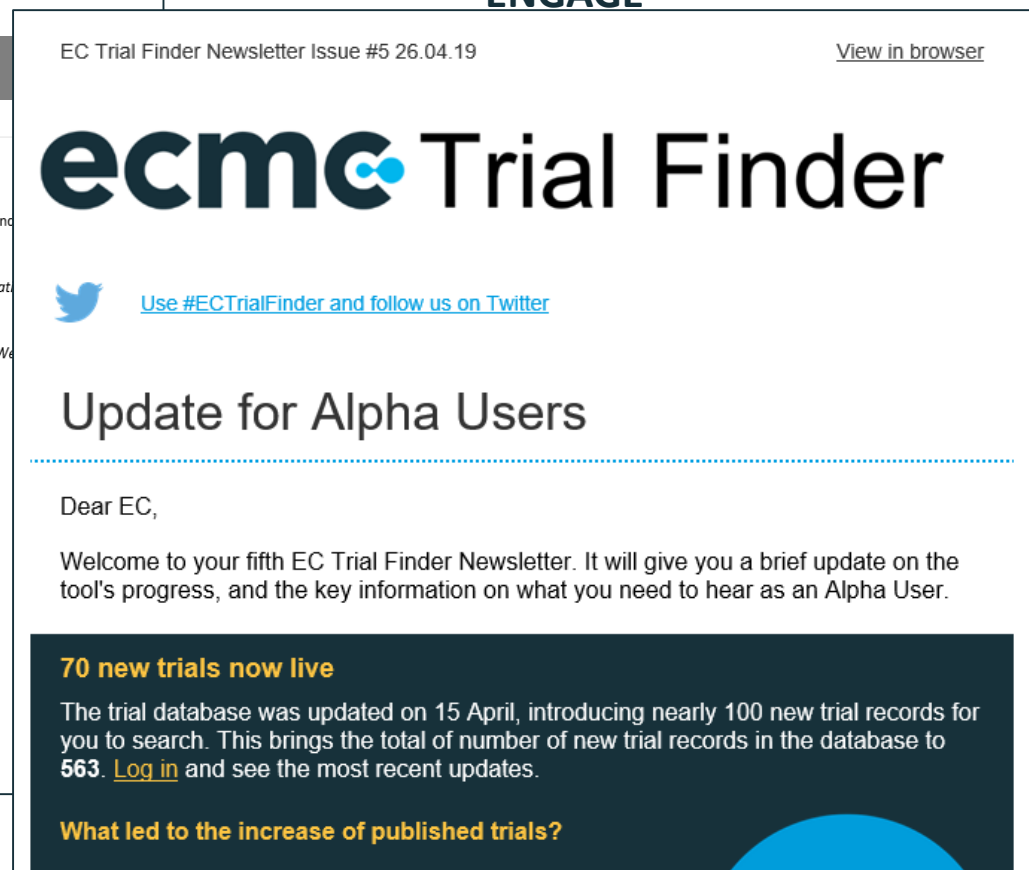
WELCOME



REMIND



ENGAGE



A

B

A

B

B1, B1.1, B1.2, B2

A

E

B1, B1.1, B1.2, B2

AGILE

AGILE

PHASED

Alpha testing model

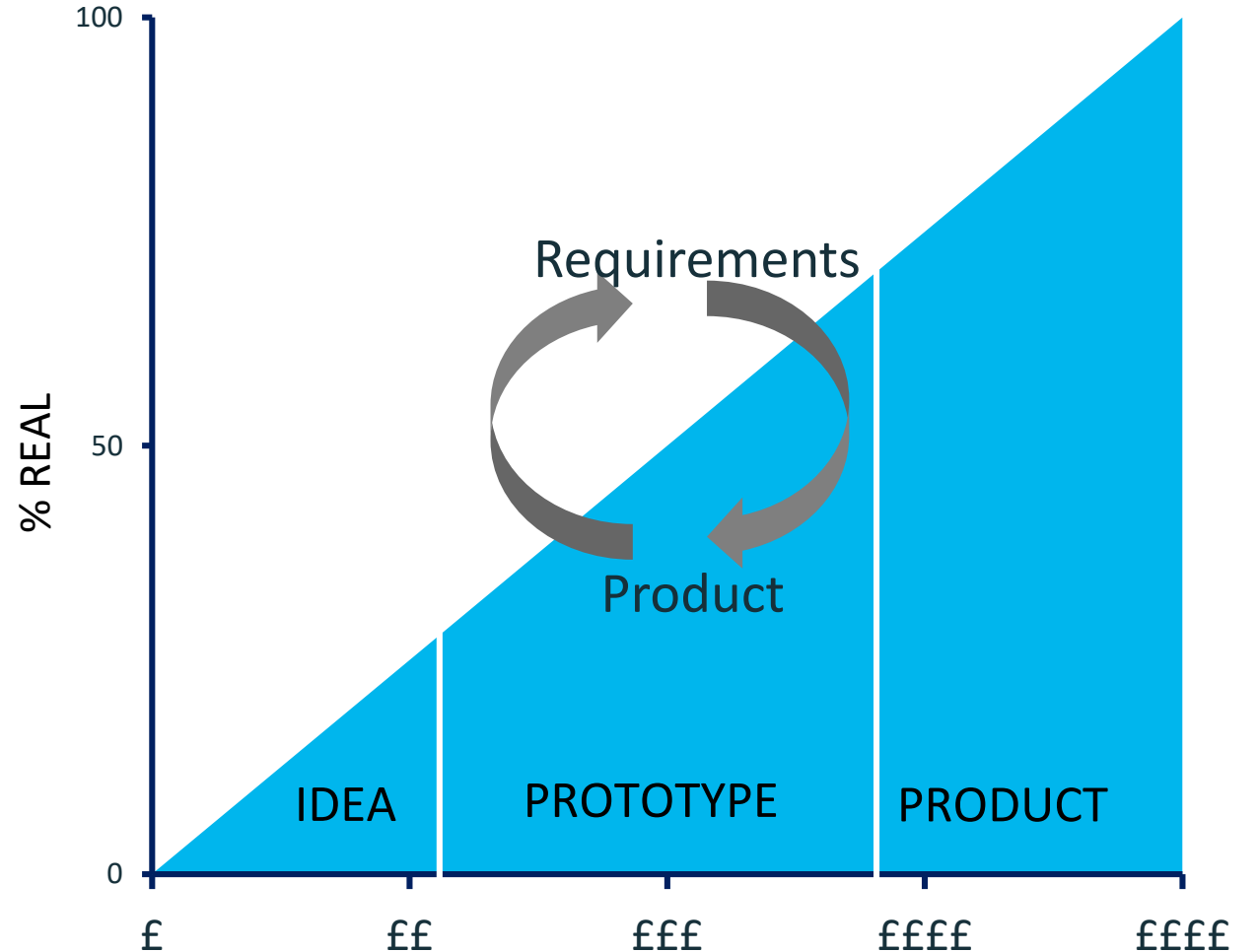
Test

- Is the service possible –is data quality sufficient and timely?
- Is the service used?
- How we can built the best possible product for the network?

Remit

- Access limited for ECMC (Alpha Testing Group)
- Trials in the ECMC Network

PROTOTYPED





LESSON 3: IT IS ABOUT BRINGING PEOPLE TOGETHER

INNOVATION NEEDS A NETWORK



INNOVATION NEEDS A NETWORK



What made EC Trial Finder:

ECMC Leads

EC Trial Finder Working group

27 Sites

EC Trial Finder coordinators

All our testers

Sponsors

Legal

Developer

Tester

User experience

Prototype producer

Designer

Project management

Business

Data sharing

INNOVATION NEEDS A NETWORK



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Data sharing

Making sure all work together



EC Trial Finder

Please log in below using your details

Email

Password

Login

[Forgot Password?](#)

DISCLAIMER

The EC Trial Finder includes trial data provided by participating ECMC Centres. **The database is updated once a month.** [More details here.](#)

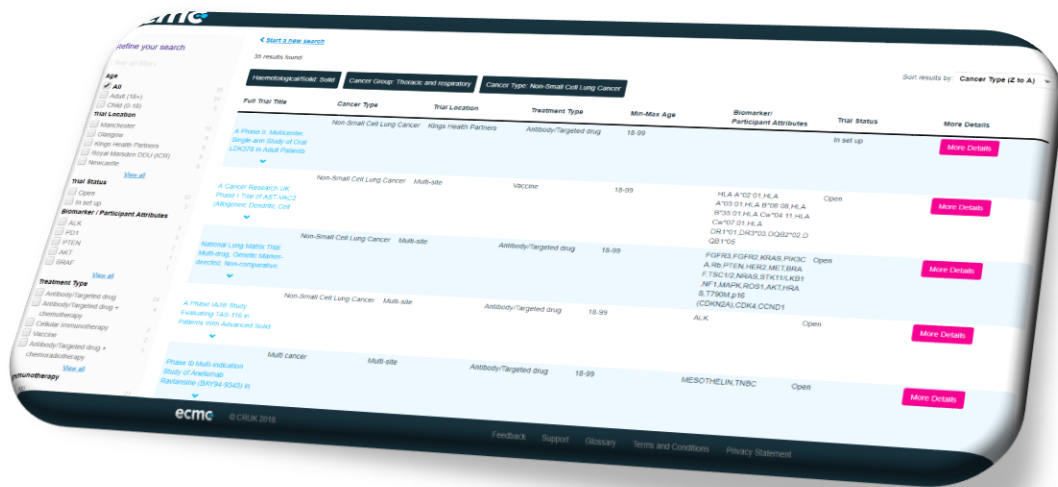
ACCESS

This database is only for Health Care Professionals at the ECMC Centres. [More details here.](#)

TERMS AND CONDITIONS

Information about [Terms and Conditions](#) and [Privacy Statement](#).

EC Trial Finder –our new trial finder tool



- **Purpose:** Helps to drive trial recruitment by easily matching patients to early phase clinical trials within the ECMC network
- **Uniqueness:** The power of the Network is utilised to address known challenges with existing databases i.e. lack of visibility of early phase trials, information accuracy and up-to-dateness
- **How:** Easy search using customised criteria. Recruitment site contact details published to allow user to quickly determine patient eligibility and slot availability. Monthly data update by Sites.



Visibility of clinical trials to allow easier patient referrals



Improved patient access to trials



Opportunity to drive faster trial recruitment

Our success in 4 months



USERS

221 Users

66% Adult, 34% Paediatric



TRIAL TYPES

62 cancer types

*75% Solid, 25% Haematological
70% adult, 5% Paeds, 25% Both*



CONTENT

606 Trial records

+200 added since the launch



MOLECULAR STRATIFICATION

45% of the trials include
stratification information



MONTHLY UPDATES

On average >90% of Sites provide
data update every month



CONTACT DETAILS

92% of records include phone
and or email address

Our success in 4 months

73% Agree or strongly agree that
EC Trial Finder is useful

70% Agree or strongly agree that
EC Trial Finder is easy to use

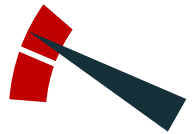
69% Agree or strongly agree that
they have **greater knowledge of
trials across the ECMC Network**

Pre –EC Trial Finder

20% agree



15% agree



19% agree



8% agree



6% agree



Post –EC Trial Finder

63% agree



68% agree



89% agree



61% agree



55% agree



The TIME it takes me to find a suitable trial for my patient is acceptable



It is EASY for me to find information about open clinical early phase trials outside my centre/own network



I can easily find the CONTACT DETAILS I need to enquire about slot availability and eligibility



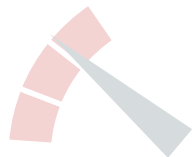
The key trial information I find using currently available tools and information is CORRECT and UP-TO-DATE



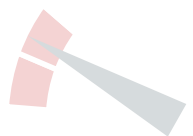
It is easy and feasible to match my patient with the most suitable trial using STRATIFICATION MARKER search (e.g. biomarkers).

Pre -EC Trial Finder

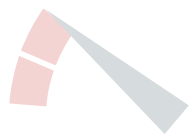
20% agree



15% agree



19% agree



8% agree



6% agree



Post -EC Trial Finder

63% agree



68% agree



89% agree



61% agree



55% agree



The TIME it takes me to find a suitable trial for my patient is acceptable



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Pre -EC Trial Finder

20% agree



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6% agree



Post -EC Trial Finder

63% agree



68% agree



98% agree



61% agree



55% agree



The speed, ease and feasibility of trial matching in the network has increased **55%** compared to pre-ECTF baseline, **with 6 referrals in the first 2 months that would not have happened otherwise.**



The TIME it takes me to find a suitable trial for my patient is acceptable



It is EASY for me to find information about open clinical early phase trials outside my centre/own



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The key trial information I find using currently available tools and information is CORRECT and UP-TO-DATE



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Our journey from an idea to innovation



Our journey from an idea to innovation

This is what happens when we bring our network together.



ecmc Trial Finder



[Use #ECTrialFinder and follow us on Twitter](#)

WHAT'S NEXT

