
Katharina Hanika

From paper to screen

What users really think of electronic lab notebooks

TU Delft - 15 March 2018



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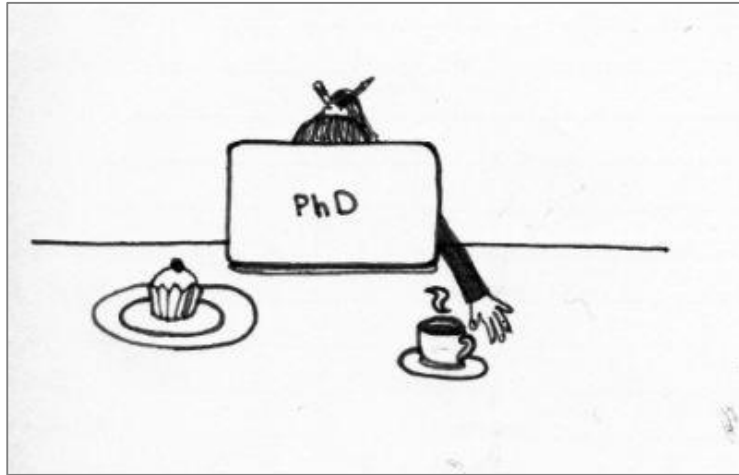
WAGENINGEN
UNIVERSITY & RESEARCH



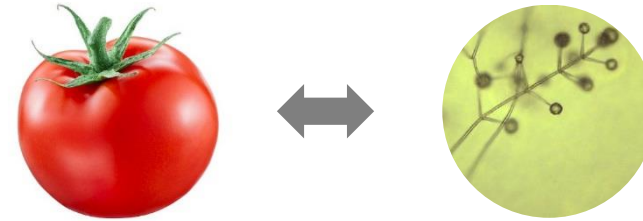
100years
1918 — 2018

My background

September 2016



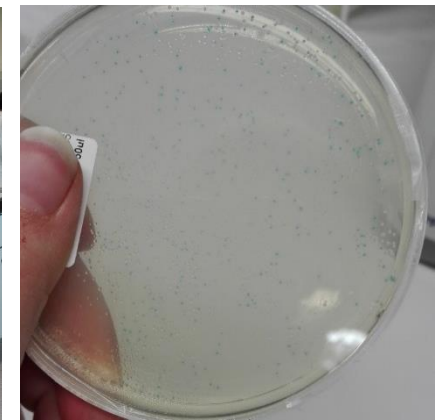
plant – pathogen interaction



greenhouse work

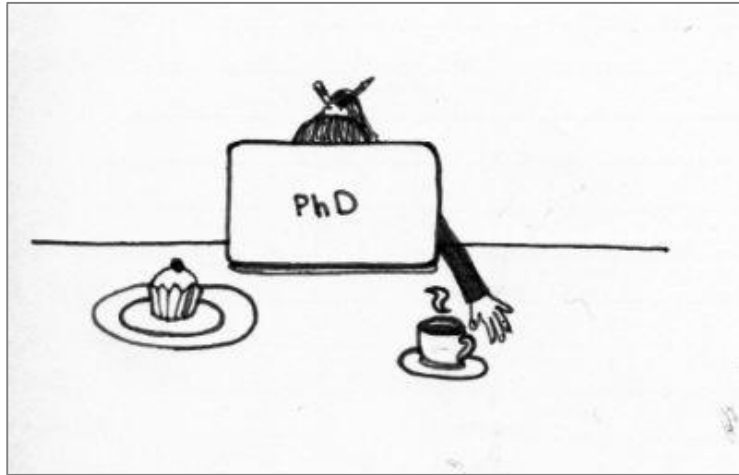


molecular work

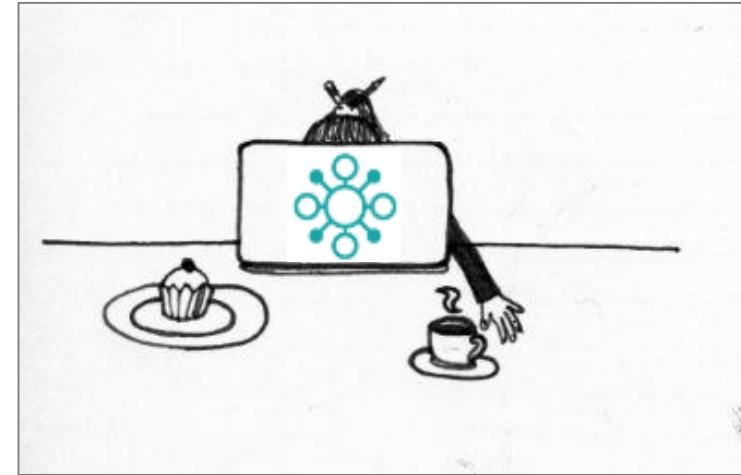


My experience with eLabjournal

September 2016



eLabjournal user

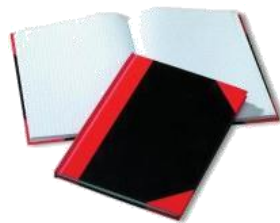


~ 2 years
experience

eLabjournal



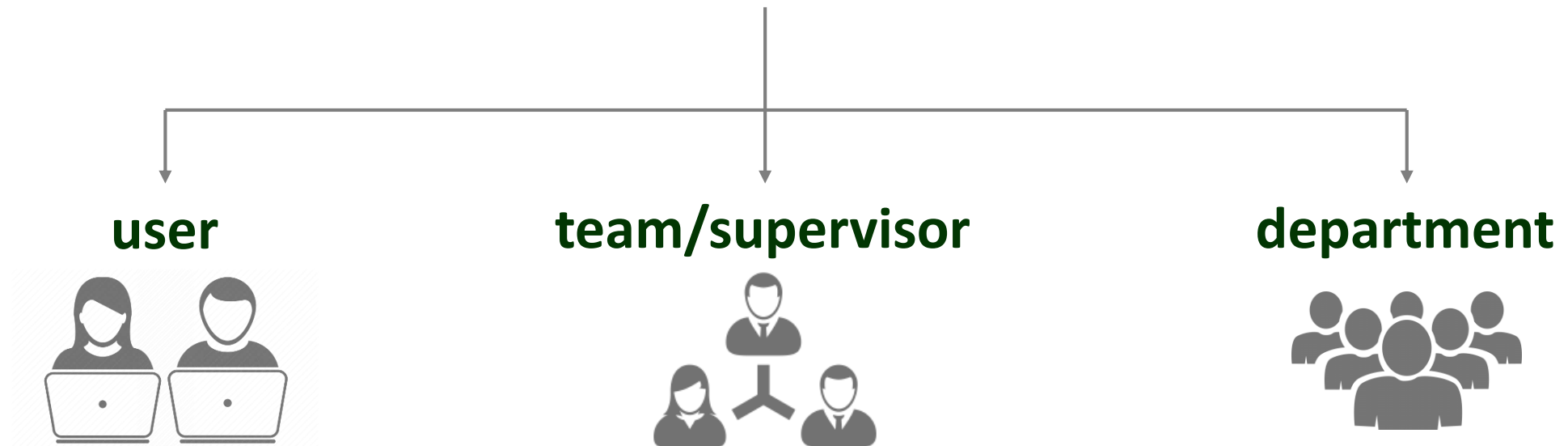
eLabinventory



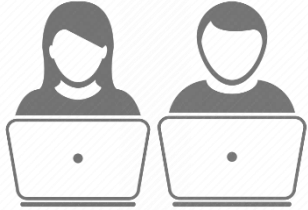
My insights into using electronic lab notebooks

Electronic lab notebooks

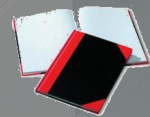
Points of view



user



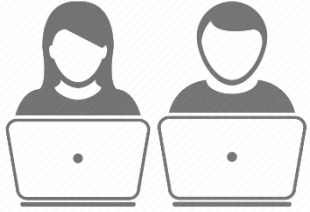
Why switch from paper to screen?



hard-copy vs. electronic



user

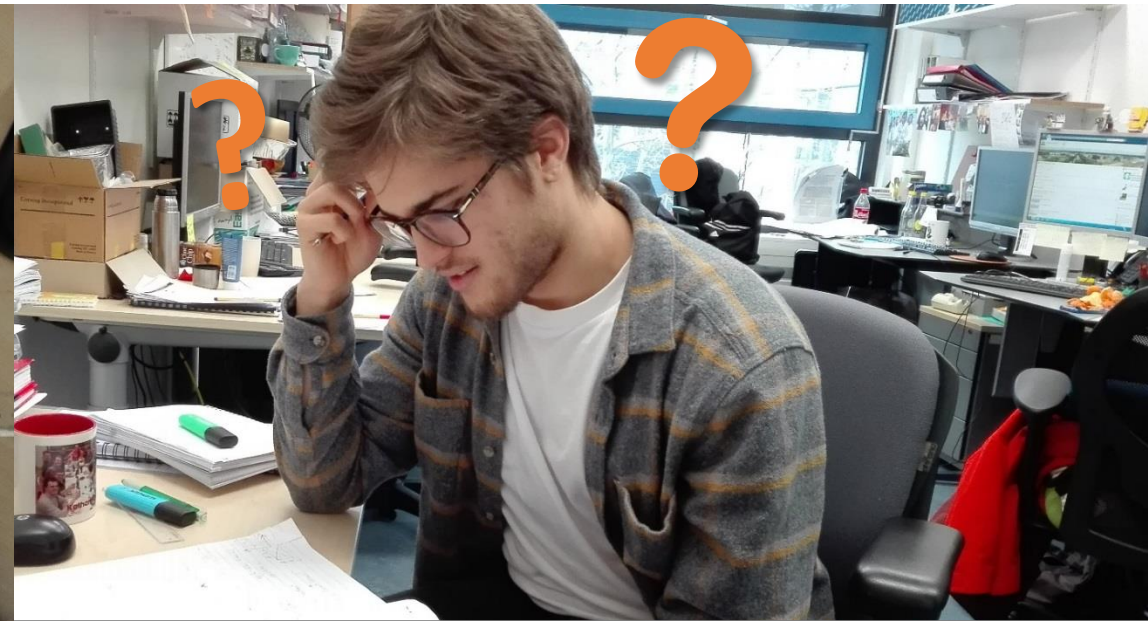
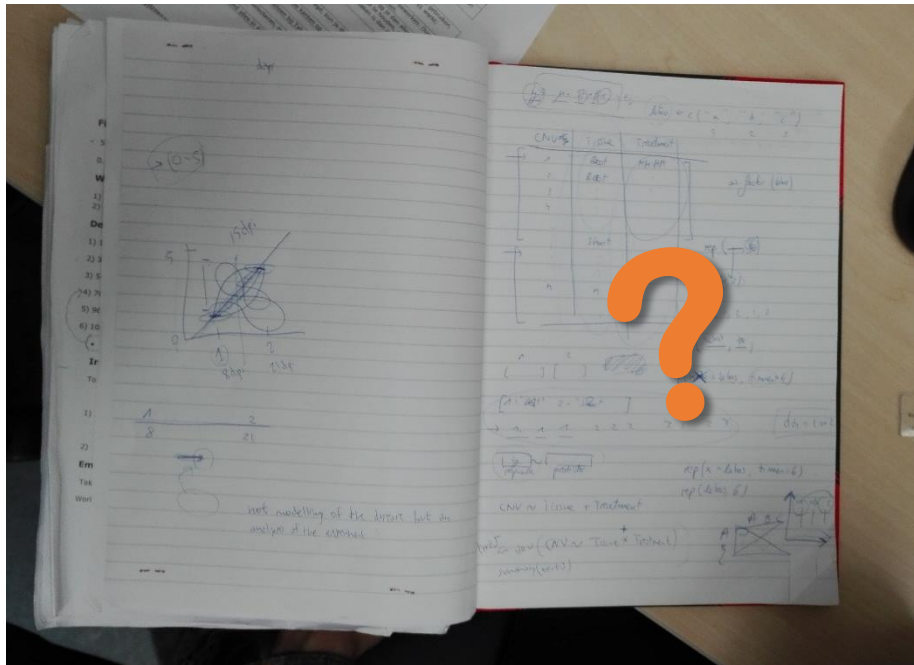


Why switch from paper to screen?



Pros

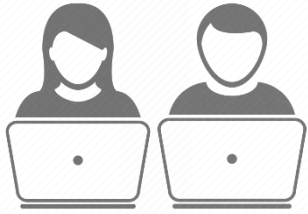
- readable and structured information



I don't understand anymore ...

Katharina Hanika

user

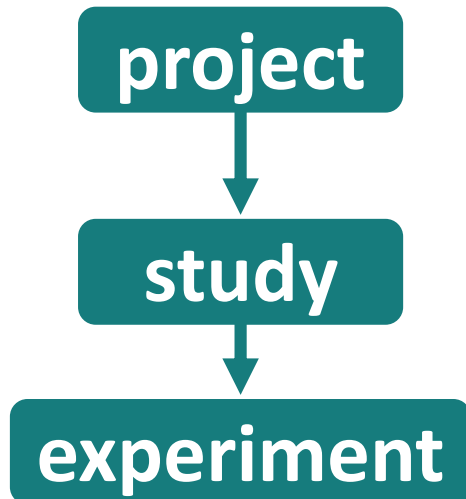


Why switch from paper to screen?

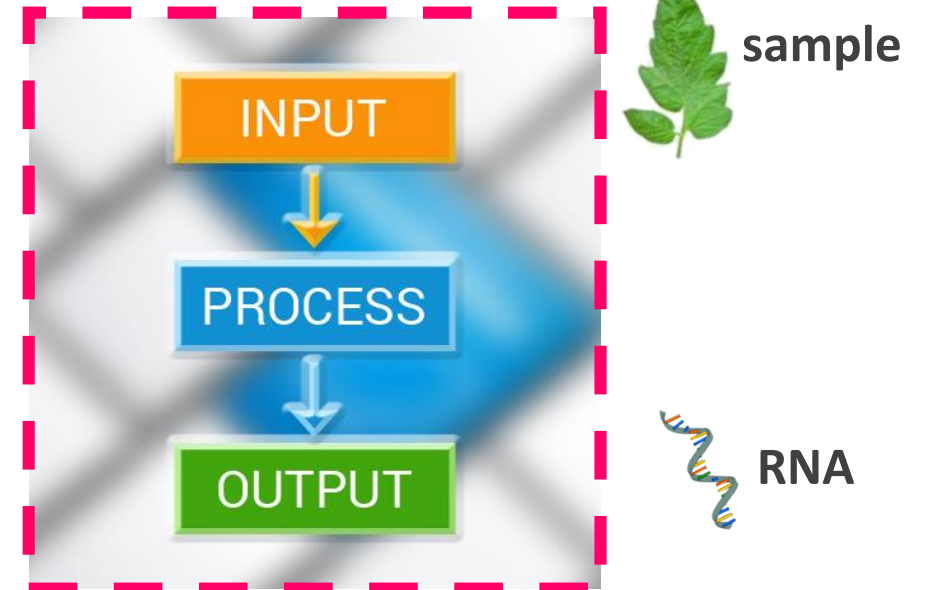


Pros

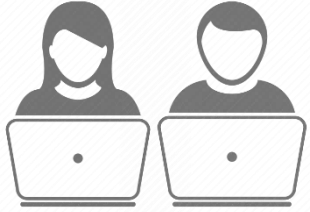
- readable and structured information



experiment



user



Why switch from paper to screen?



Cons

- time-intensive starting up

Where do I find what?

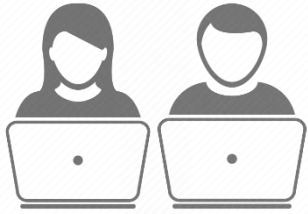
How can I set up my
experiment?

Whom can I ask for help?



How does this work?

user



Why switch from paper to screen?



Pros

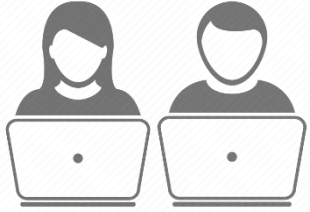
- readable and structured information
- digital storage of samples

track & trace of samples

	Box View								
	1	2	3	4	5	6	7	8	9
A	1.A	2.A	3.A	4.A	5.A	6.A	7.A	8.A	9.A
B	1.B	2.B	3.B	4.B	5.B	6.B	7.B	8.B	9.B
C	1.C	2.C	3.C	4.C	5.C	6.C	7.C	8.C	9.C
D	1.D	2.D	3.D	4.D	5.D	6.D	7.D	8.D	9.D
E	1.E	2.E	3.E	4.E	5.E	6.E	7.E	8.E	9.E
F	1.F	2.F	3.F	4.F	5.F	6.F	7.F	8.F	9.F
G	1.G	2.G	3.G	4.G	5.G	6.G	7.G	8.G	9.G
H	1.H	2.H	3.H	4.H	5.H	6.H	7.H	8.H	9.H
I	1.I	2.I	3.I	4.I	5.I	6.I	7.I	8.I	9.I



user



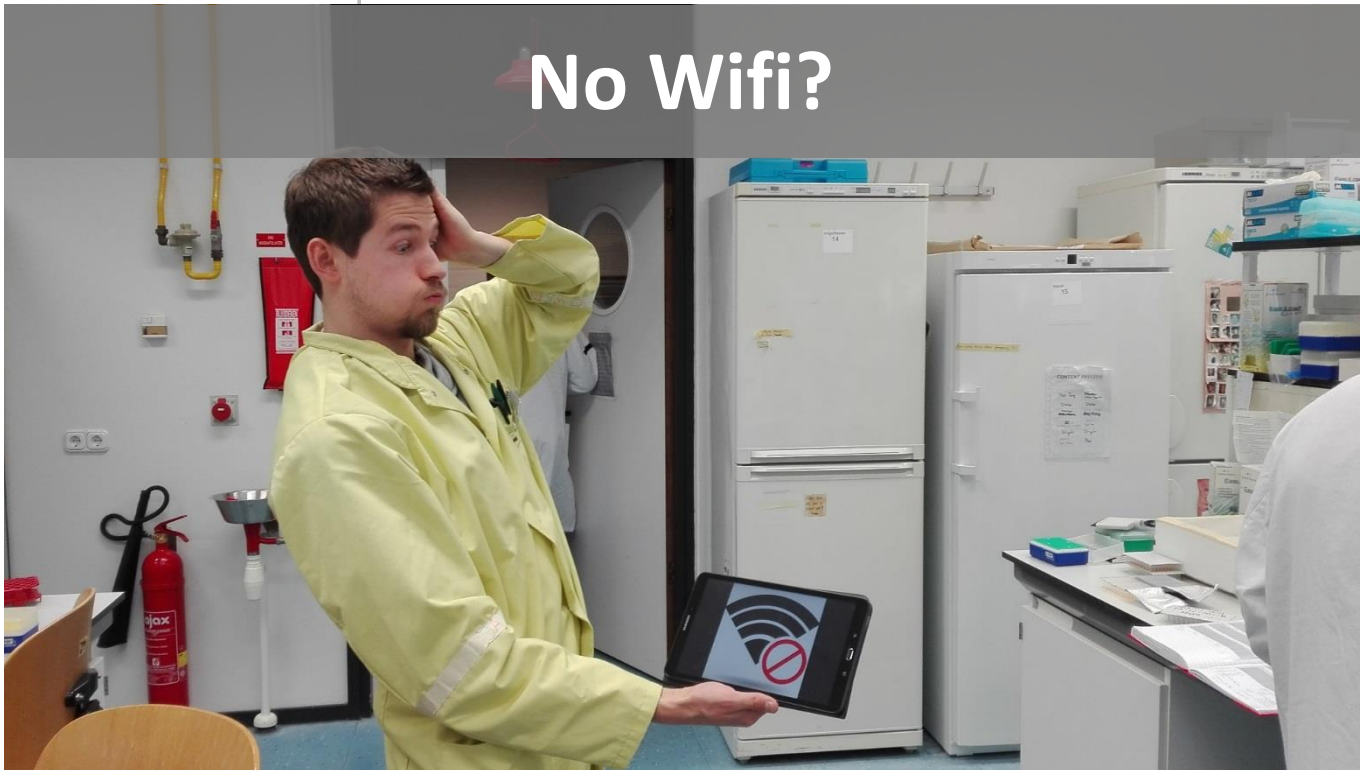
Why switch from paper to screen?



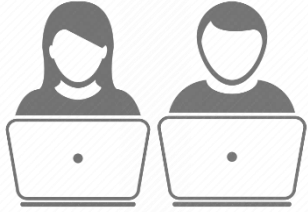
Cons

- time-intensive starting up
- **efficiency limited without Wifi/tablets**
- still under improvement

No Wifi?



user



Why switch from paper to screen?



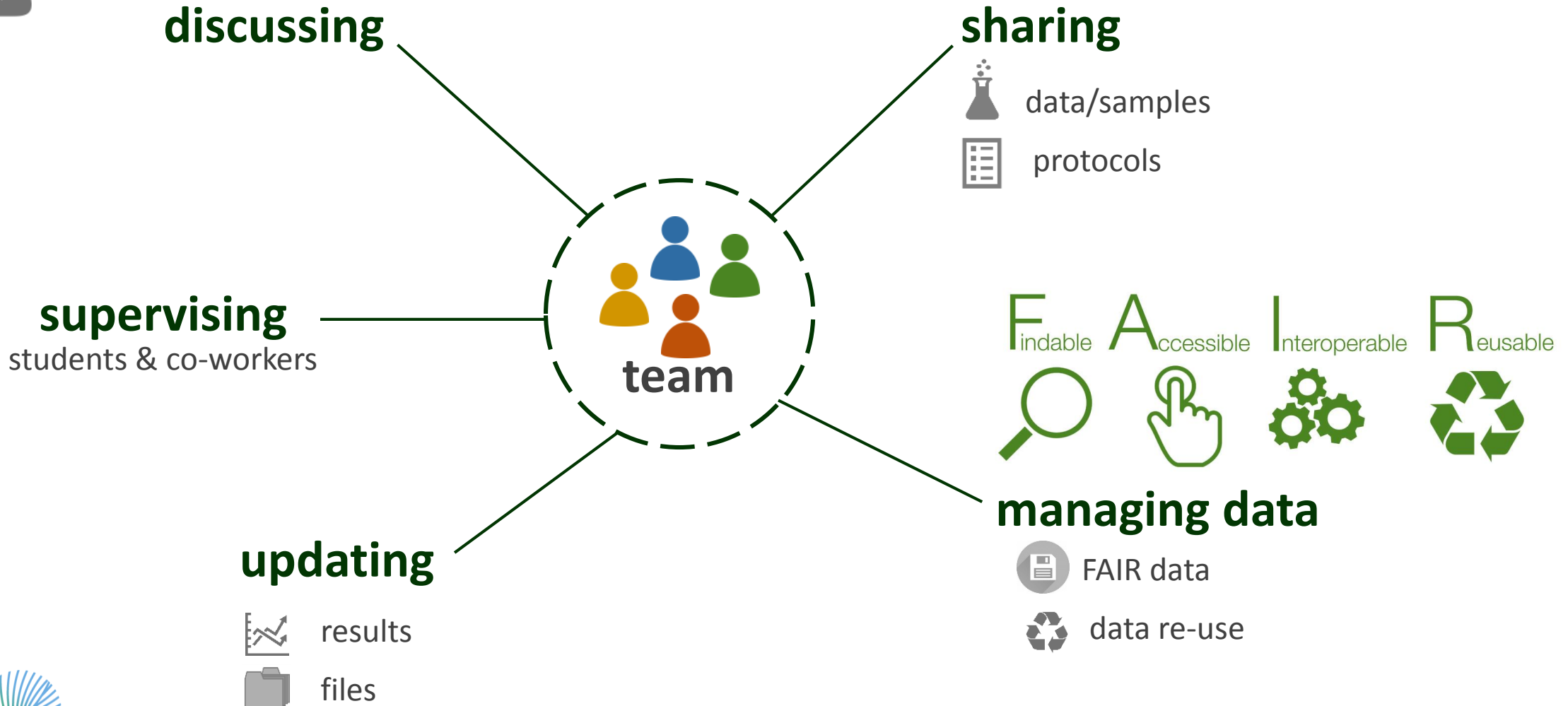
Pros

- readable and structured information
- digital storage of samples
- easy collaboration with colleagues



Cons

- time-intensive starting up
- efficiency limited without Wifi/tablets
- still under improvement





Department-wide implementation

With whom to start?

→ with volunteers



challenging: “creatures of habit”

department

How to start?

→ workshops & contact persons



Workshops: How to get people started



Where do I find what?

→ online demonstration

How can I set up my experiment?

→ hands-on exercises

Whom can I ask for help?

→ intranet group & key users

What users really think of electronic lab notebooks ...

Any (electronic) lab notebook is only as good as its user.

What it takes:



Thank you for your attention!

Katharina Hanika

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... and all my lab mates on the pictures!



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100years
1918 — 2018

References

slide	retrieved	link
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