

Secure ANalysis Environment (SANE)

14 September 2022

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Sharing research data

- Increasing desire to use data not made for research purposes

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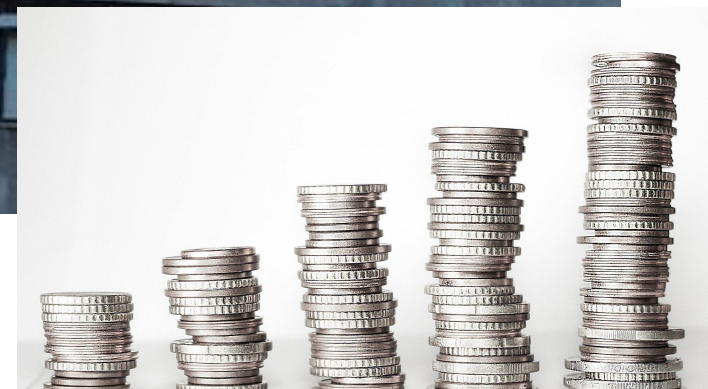


Sharing research data

- Increasing desire to use data not made for research purposes



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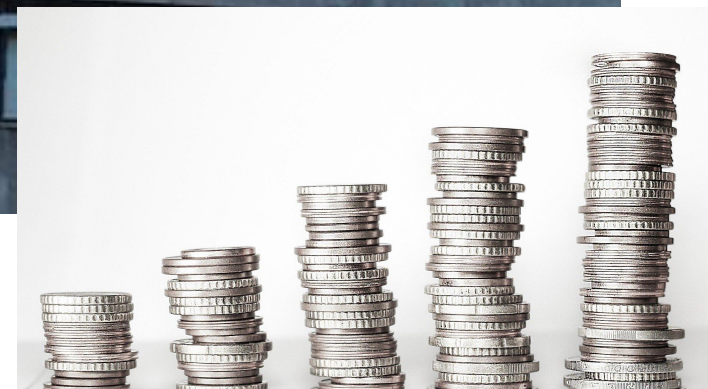


Sharing research data

- Increasing desire to use data not made for research purposes



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"I'm willing to share my data, but I can't" 🙄 → SANE

Use cases

Data provider perspective: KvK

- Pseudonymised data
- Complete control over the data
 - Data cannot leave environment
- Trust the research software
- Research purpose
- Approve data upload

- Tinker SANE



Data provider perspective: KB

- In copyright
- Non-consumptive use
- Research purpose
- Data upload allowed
- Software upload allowed
- Review any output

- Blind SANE



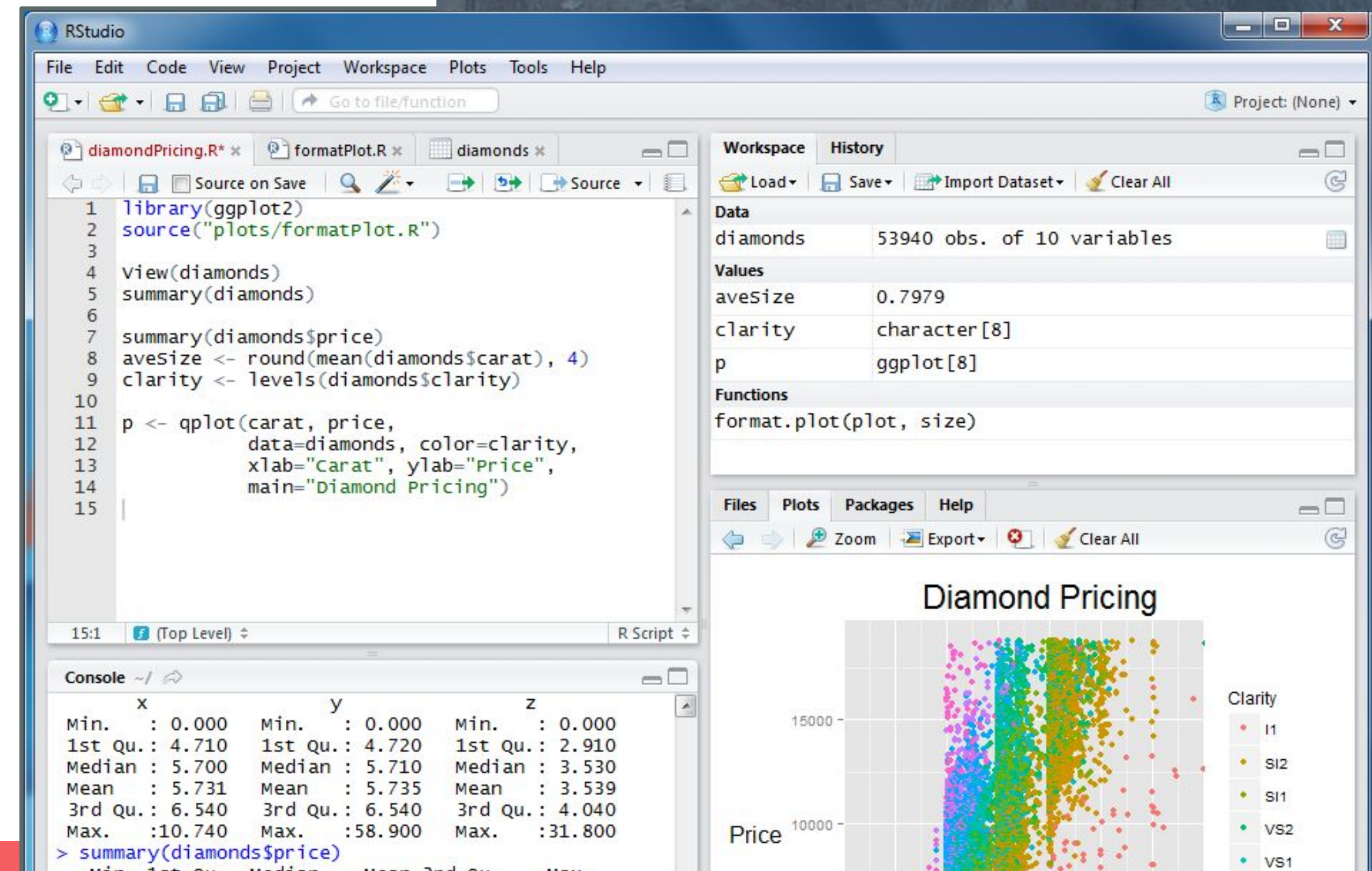
Researcher perspective: KvK

“To what extent does the proportion of part-time employees affect firm closure?”

- Combine it with my own data
- Play (Tinker with the data)
- Specific characteristics of the combined data determine consequent analytical steps.
- Use R, Python



Foto: Wikimedia ©



Researcher perspective: KB

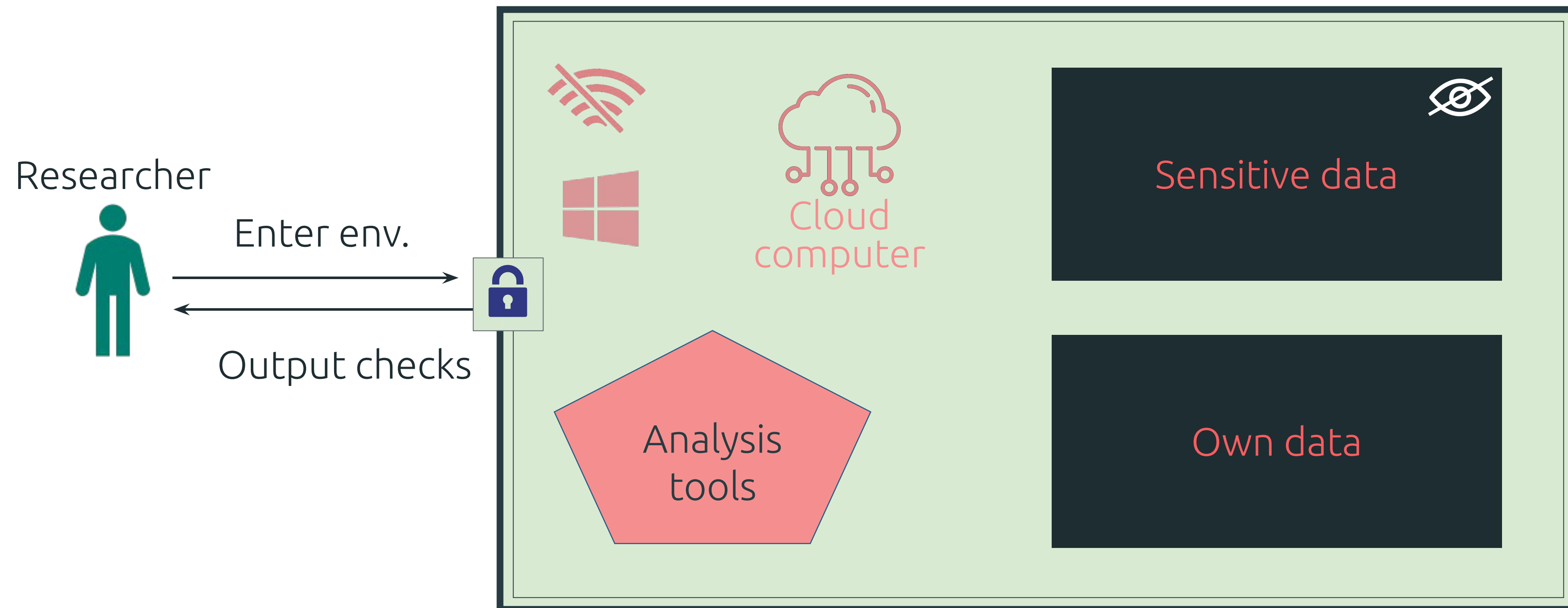
- Mine the KB collections
- Use existing software and algorithms, e.g. NLP pipelines
- Use my own software or algorithm
- Upload a container
- Extract and download non-copyrighted data



SANE



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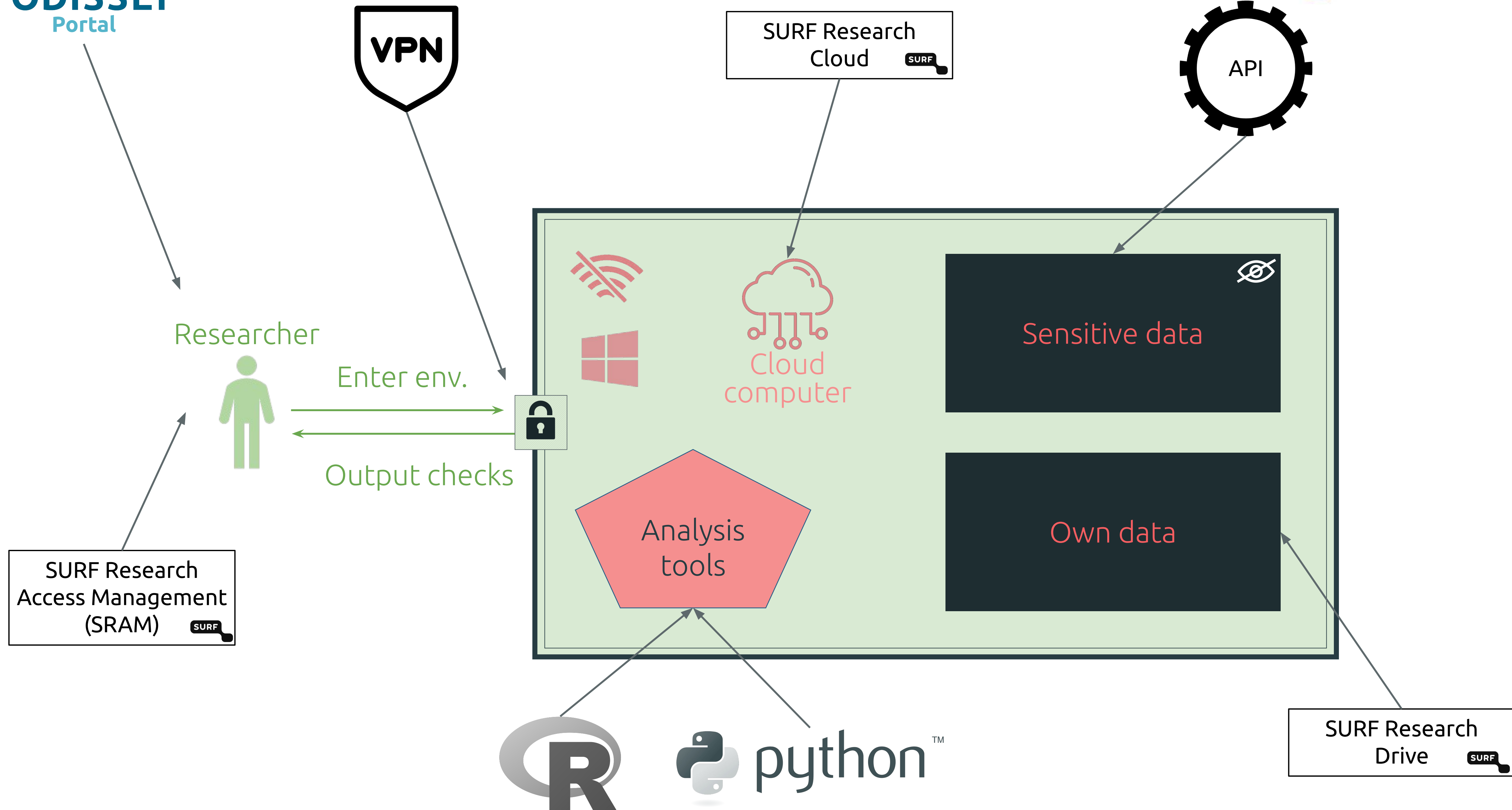


Five Safes



[Afbeelding: UKDS ©](#)





Pros and cons

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Pros	Cons
Facilitates data sharing	
Easy, off-the-shelf solution	
Applicable to many providers & researchers	
Integrated ecosystem	

Pros and cons

Pros	Cons
Facilitates data sharing	Data protection measures needed
Easy, off-the-shelf solution	Time-consuming for data owner
Applicable to many providers & researchers	Legal framework needed
Integrated ecosystem	Researcher is limited

First prototype in 2022

Want to test is as a user?

Want to provide data?

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