PAASPort

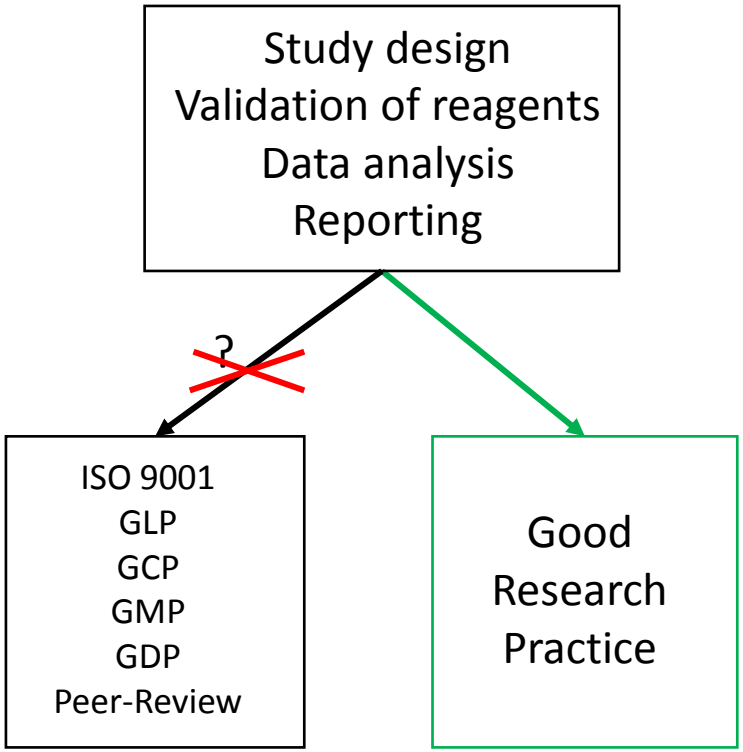
a tool to identify data quality in biomedical research

Partnership for Assessment and Accreditation of Scientific Practice
Heidelberg, Germany
www.paasp.net

Quality labels in….

…everyday life

…research



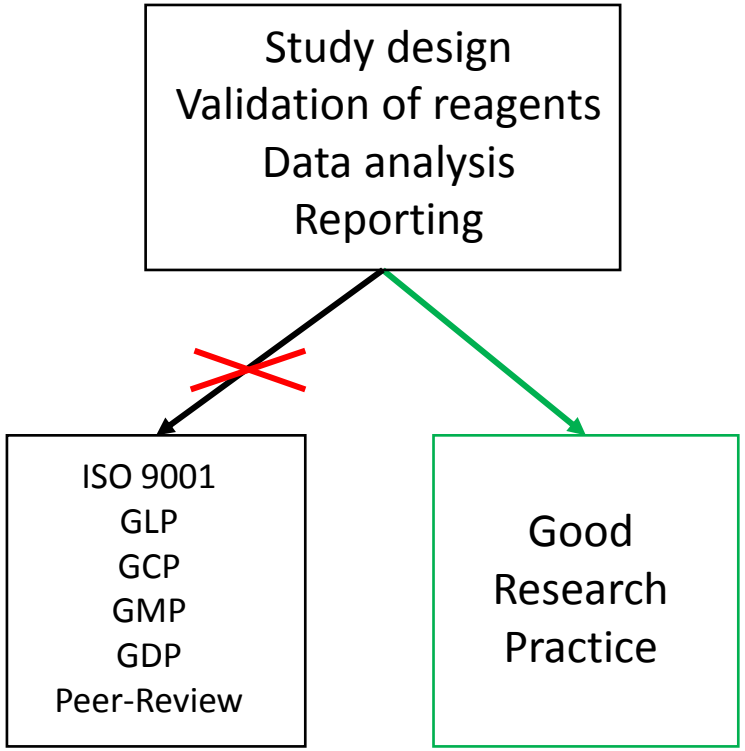
Existing quality management systems do not allow assessment of Good Research Practice

Assessment of Good Research Practice

Editorial on Retraction Watch (Feb 4th, 2016) by Amy Lossie (NIH) and Viraj Mane (Consultant)

Do Scientists need audits?

"…around 1% of taxpayers faced an audit last year. However, this low risk of audit still keeps tax code violations down to around 17% of filings. …"



An evaluation protocol could bring benefits to research

http://retractionwatch.com/2016/02/04/do-scientists-need-audits/

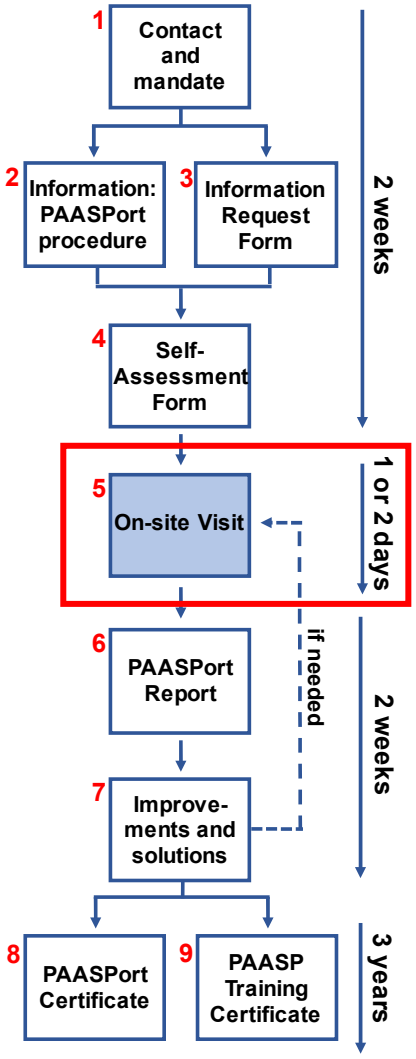
PAASPort: Build Confidence in Data

All potential sources of bias are addressed

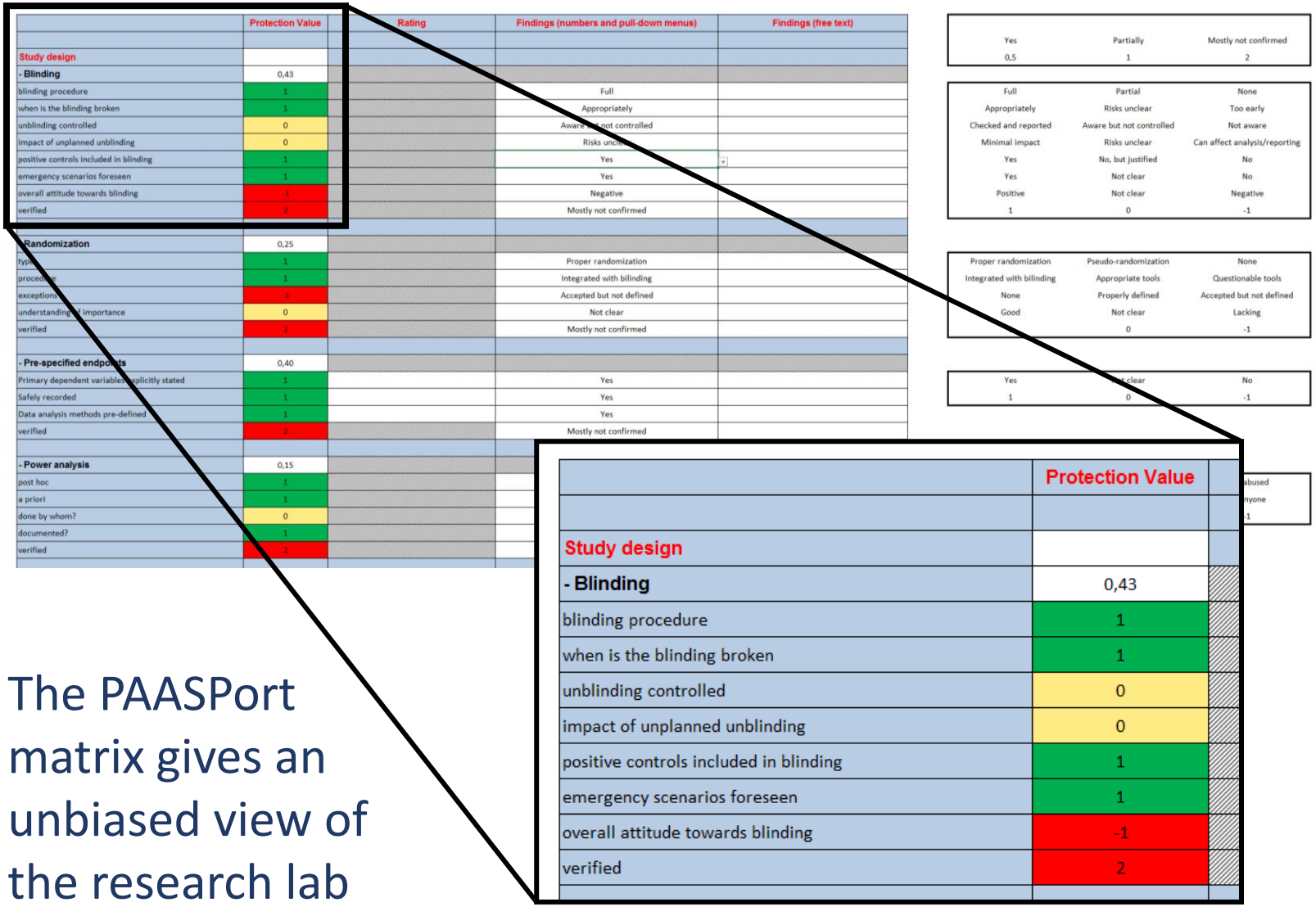
- Related to study design, data analysis, personnel, competition, financial and organizational (200+ questions)
- **Research quality separated from science**
- Third-party view

Fast and efficient workflow

- Preparation phase
- On-site evaluation
- Recommendations and discussion

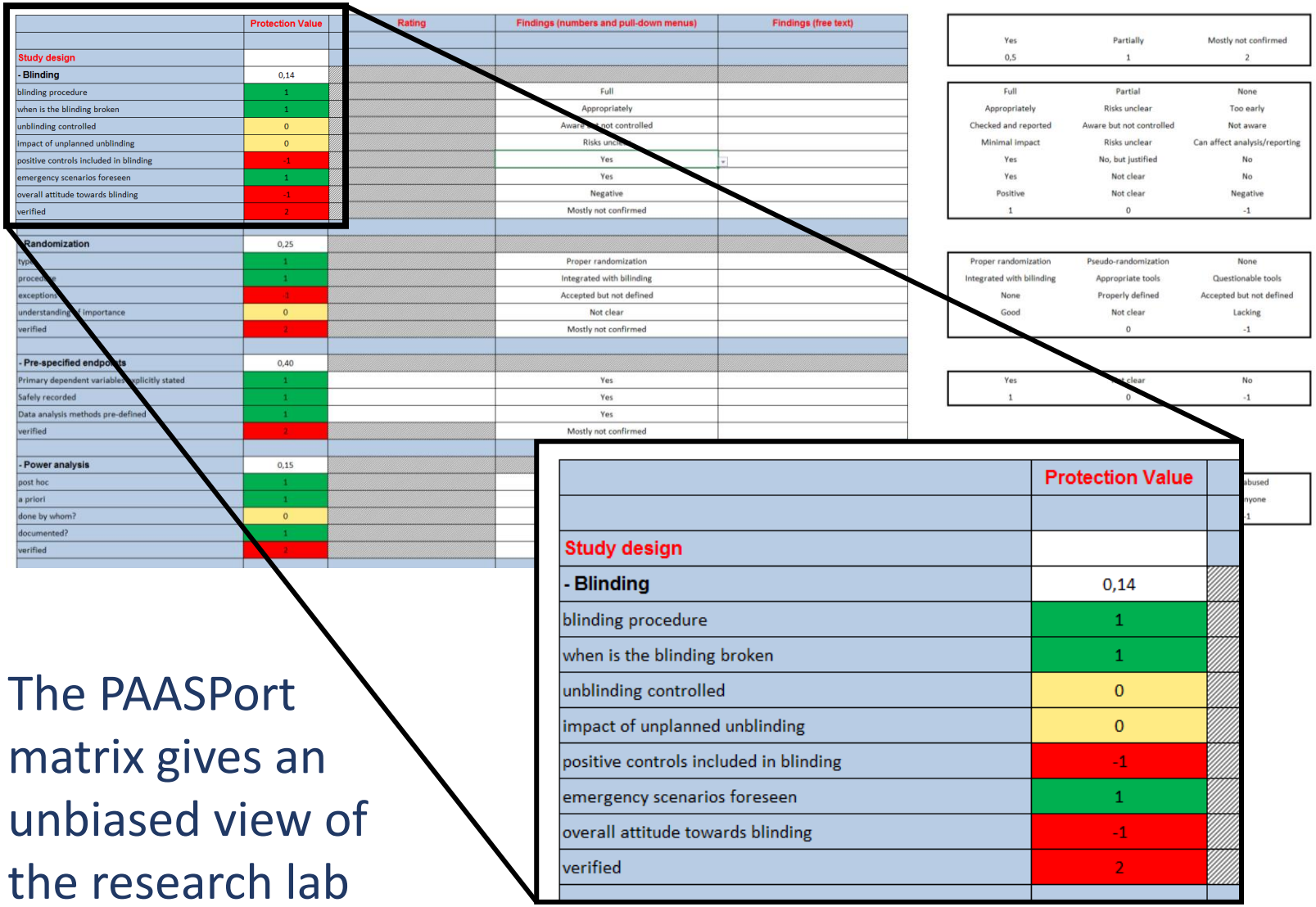


PAASPort evaluation: The matrix



The PAASPort matrix gives an unbiased view of the research lab

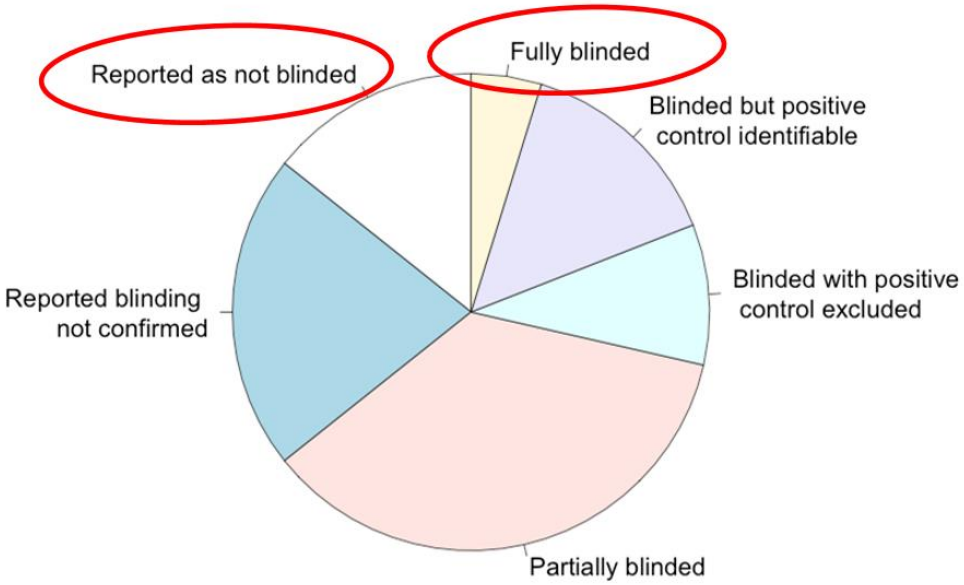
PAASPort evaluation: The matrix



	Protection Value
Study design	
- Blinding	0,14
blinding procedure	1
when is the blinding broken	1
unblinding controlled	0
impact of unplanned unblinding	0
positive controls included in blinding	-1
emergency scenarios foreseen	1
overall attitude towards blinding	-1
verified	2

The PAASPort matrix gives an unbiased view of the research lab

PAASPort evaluation: Blinding as an example



Blinding in experimental pharmacology

72 experiments

- 12 academic labs
- 7 CROs
- 4 industry labs

This example revealed a large inhomogeneity for blinding

Feedback from customers

- Costumers
  - Respond really positive due to the mutual work relationship
  - Are satisfied with the transparency of the PAASPort protocol
  - Find it helpful to have a third-party view on their research process

European-based Contract Research Organisation:
“The carefully thought-out feedback by PAASP following the assessment led us to learn about our strengths, and identify aspects in our research conduct that we could further develop.”

Further projects …

…to establish assessment protocols and GRP guidelines

- Innovative Medicine Initiative (**IMI**) **call** on ”Data quality in preclinical research and development”
- **Springer-Series** Handbook of Experimental Pharmacology: “Good Research Practice in Pharmacology and the Experimental Life Sciences”
- International Union of Pharmacology (**IUPHAR**) Developing guidelines for best practice in study design, data analysis and reporting
- …

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Thank you for your attention