



Panel: "Reproducibility in
Visualization" or "Do we want a
Badge of Honor?"

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Do we **need** a badge of honor?

- Probably not, but I think it is a really good idea ...

The other side ...

- Having said that, following is my bit of playing the devil's advocat based on
 - Sharing code and data
 - IPRs and exploitation
 - Validation and verification through commercialization and industrial application

Sharing data

- Vis research is not all basic research but (probably even more) application-oriented
- Data mostly does not belong to VIS researchers (not real users otherwise)
- Many “real” application partners would never allow to publish their data
 - Example: CFD simulation data of many of our partners and/or customers
- Often it is even hard, to get green light for using anonymized or altered data (without details) for supporting the result section
- But: being able to show, test, and validate research results using this “real” data is necessary and very valuable

Sharing code, IPR and exploitation

- Funding of applied research often restricts or prohibits sharing of code and/or similar IPRs
 - Example: Austrian Research Funding Agency (FFG) requires projects to build up IPR and exploit it, but it also suggests to publish principles (not the code, but the workflow/algorithms/technological concepts)
 - 100s of pages of contracts specifying of what Institution/researcher is allowed to do and what not
- Co-financed research projects
 - Like in VRVis, Fraunhofer, etc.
 - Do we want to get rid of publications about all such works?
- Larger funding base → more research in total 😊

V+V through ...

- commercialization and industrial application:
 - One of the most powerful validation and verification methods is, if industry pays for results (continuously) → co-financed research
 - But this would become impossible if sharing of code and IPR would be required to become standard for all publications

Concluding

- Honoring is very valuable and I support the idea - as long as we do not create a notion where those who may not (or even don't want to) publish code and/or data are "stigmatized" as being 2nd class or unfair researchers
 - The decision is often not up to the researcher
- Especially for application-oriented research and application papers this will be an important issue
- Possible threat:
 - split of the community?
 - Basic, fully governmental funded or university research vs. more application driven research?
 - Threat of getting farther away from real applications as well as industry driven research



Thank You!

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