OpenBRR and QSoS

Master on Free Software

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Based on:

- **Comparing Assessment Methodologies for Free/Open Source Software: OpenBRR and QSoS**
- *Jean-Christophe Deprez and Simon Alexandre*
- *CETIC, Charleroi, Belgium*

Introduction

- How to select OSS projects?
- Most of the companies use ad-hoc methodologies to assess quality
- OpenBRR and QSoS try to fill that gap

Introduction

- Light weight methodologies.
- QSoS (Atos Origin)
- OpenBRR (Carnegie Mellon West and Intel)

Motivation

- Better understanding of OpenBRR and QSoS
- Limitations of each assessment

Motivation

- Comparison of:
- Overall approach
- Scoring Procedures
- Evaluation Criteria

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QSoS and OpenBRR

- Start from a list of projects given by the FLOSS integrator
- QSoS provides a list of criteria and "quality attributes"
- A score is provided by the criteria given by QSoS

QSoS: Main Criteria

- Intrinsic Durability
- Industrialized Solution
- Technical Adaptability
- Strategy

OpenBRR: Main Criteria

- Usability
- Quality
- Security
- Performance
- Scalability
- Architecture
- Support
- Documentation
- Adoption
- Community
- Professionalism

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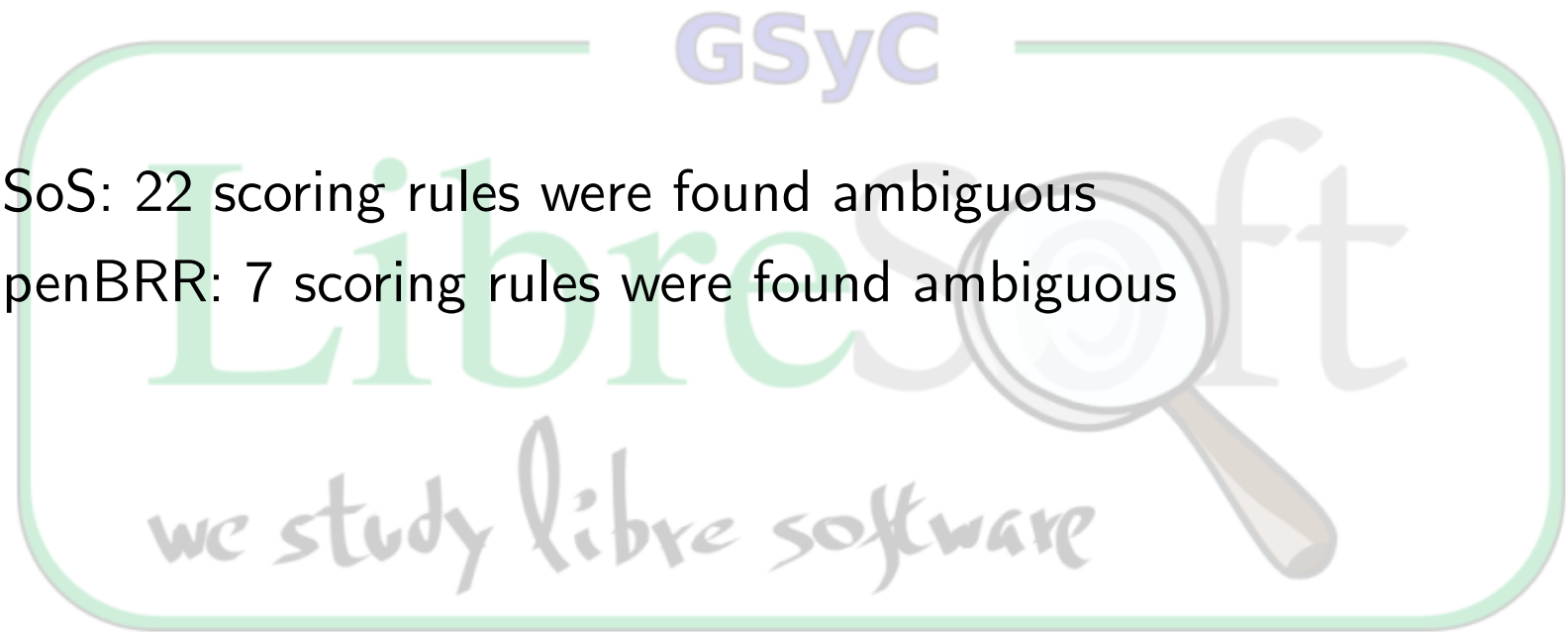
OpenBRR

- Each user may have a different sight of the product
- Main criteria could be less important depending on the assined role
- Ü̈sability" may not mean the same for a developer than for a user
- "Support" may not mean the same for a company than for a user
- OpenBRR provides that flexibility

QSoS

- QSoS provides an absolute score
- In this way, every analysis should give the same score
- There are no roles, and no different points of view

Ambiguity



- QSoS: 22 scoring rules were found ambiguous
- OpenBRR: 7 scoring rules were found ambiguous

Web sites and activity

- QSoS: It is registered more activity (9th of January)
- OpenBRR: No activity for at least one year (9th of January)

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QSoS: advantages

- Clear list of criteria
- Versioned QSoS methodology
- Extensive list of criteria

QSoS: disadvantages

- Ambiguous scoring rules
- Three levels of three criteria, a bit complex
- Universality of scores

OpenBR: advantages

- Criteria flexibility
- Clearer scoring procedure with fewer ambiguities
- More active, academically speaking

OpenBRR: disadvantages

- Terminology is not as clear as QSoS's
- Five scales to give a score, but half of the criteria do not use them

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QualOSS

- Quality in Open Source Software