



OSCAR
Open-source Software Capability Assessment Radar

Addressing new challenges in OSS quality

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www.ow2.org



The problems at hand

- Industry adoption hurdles
- Large-scale failures risks
- Lack of standards for analysing and comparing OSS projects

OSS processes analysis landscape

EU Collab. Projects



Industry



Standardization bodies



Major analysis models

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Qualitative analysis

OW2 OMM forms



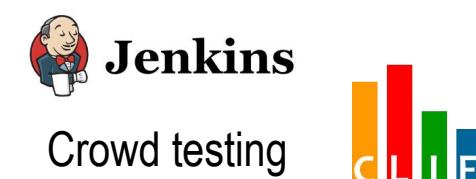
Engineering metrics



Static analysis



CI / Testing



IP analysis



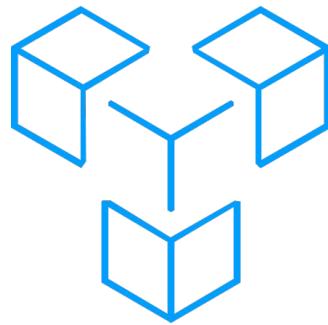
Some analysis solutions

OSCAR: a model and its implementation

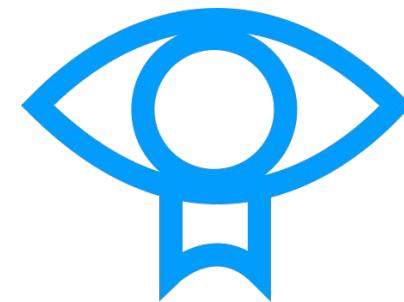
Open-source Software Capability Assessment Radar



Governance



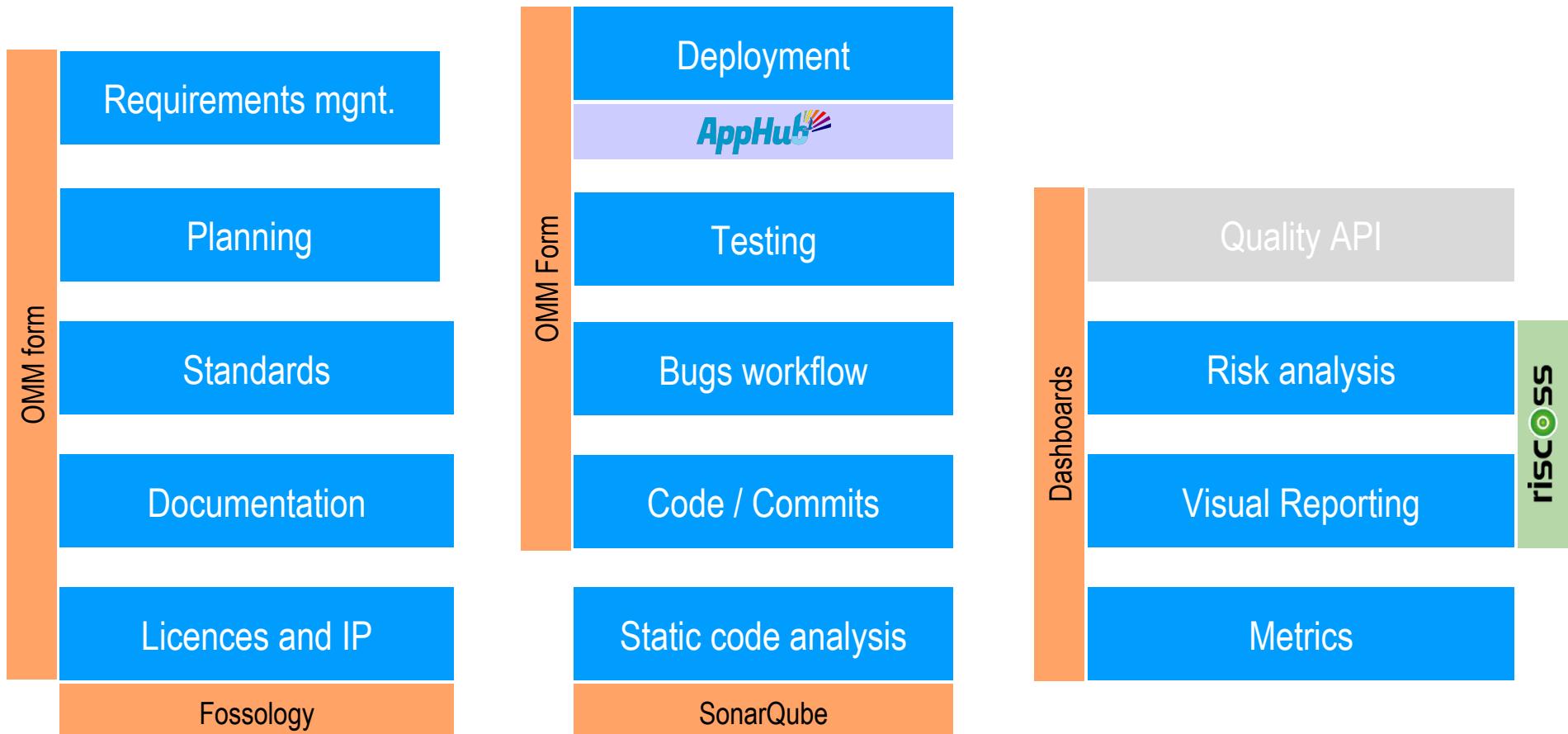
Engineering



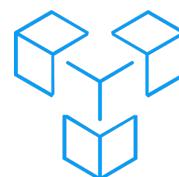
Data protection

- Foundation: [Qualipso Open-source Maturity Model \(OMM\)](#)
- Open workgroup: sympa@ow2.org?subject=subscribe oscar
- <http://mail.ow2.org/wws/info/oscar>

OSCAR implementation status



Governance



Engineering



Dashboards

Project dashboard example: ProActive

Overview Quality Metrics Risk Drivers Risk Assessment

Choose a Risk Model: Basic Risk Model ▾

riscoss

License Risk	2.7
Quality Risk	4.0
Activeness Risk	1.0

ProActive Workflows & Scheduling

	Indicators	Computed Score
License risk ⓘ	Value Normalized ⓘ	
Unique license	17 4	2.7
Ratio no license	30% 2	
OMM License Indicator	0 1	
Quality risk ⓘ	Value Normalized ⓘ	
Blocker issues	131 5	
Critical issues	183 5	
Test coverage	5	
Test success	5	
OMM documentation	1 1	4.0

<https://projects.ow2.org/bin/view/proactive/>

OSCAR outlook

- Winter 2016:
 - Detailed state of the art of existing models and tools
 - Review and enhance the Open-source Maturity Model
- Spring 2016:
 - Oscar model v1.0
- Fall 2016:
 - Reference analysis and reporting framework release

About OW2

The open-source community for infrastructure software



- Not-for-profit international consortium created in 2007
- EU and Chinese members
- 50+ infrastructure projects [projects.ow2.org]



Open Cloud

Big Data

Privacy / Security

Engineering

OSCAR

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Join the discussion at:
sympa@ow2.org?subject=subscribe oscar

Thank you!



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