



SQuAT fest 2016



AppHub SQuAT Fest
Brussels, January 26, 2016





SQuAT fest 2016

Introduction

Cédric Thomas, OW2



AppHub SQuAT Fest
Brussels, January 26, 2016



The AppHub project at a glance



- ▶ Collaborative and Support Action
 - ▶ H2020
- ▶ Partners:
 - ▶ Fraunhofer FOKUS (Research organisation, Coordinator)
 - ▶ OW2 (Open Source Community)
 - ▶ UshareSoft (Technology and Service Vendor)
- ▶ Jan. 2015 – Dec. 2016

www.apphub.eu.com

Your AppHub Contacts



- ▶ Project lead and Directory Platform
 - ▶ Peter Deussen, Fraunhofer FOKUS
 - ▶ peter.deussen@fokus.fraunhofer.de
- ▶ Factory and Market Platform
 - ▶ Alexandre Lefebvre, UShareSoft
 - ▶ alexandre.lefebvre@usharesoft.com
- ▶ Quality tools and Best Practices
 - ▶ Stéphane Laurière, OW2
 - ▶ stephane.lauriere@ow2.org
- ▶ Community and Market Outreach
 - ▶ Cedric Thomas, OW2
 - ▶ cedric.thomas@ow2.org

Collab. Project Deliverable

POCs
Use-cases
Demonstrations
Code

***Delivery
Challenge***

Documentation
Roadmap
Upgrades
Bug-fixing
Training
Support
Packaging
Case studies
Collateral
Pricing
Contracts
Early adopters
Etc.

Software Market Expectations

Governance
Sustainability
Critical mass

Open Source Specifics

AppHub's mission

- ▶ AppHub addresses the delivery challenge of EU-supported OSS
- ▶ Bridging OSS SMEs and Collaborative projects with the mainstream market



Why AppHub

- ▶ You have open source project results to disseminate
- ▶ You want to make them not only visible...
 - ▶ in the AppHub - European Open Source Marketplace
- ▶ ...But also readily usable
 - ▶ by end users
 - ▶ ready to go
 - ▶ on any cloud
- ▶ AppHub makes it easily possible for you!



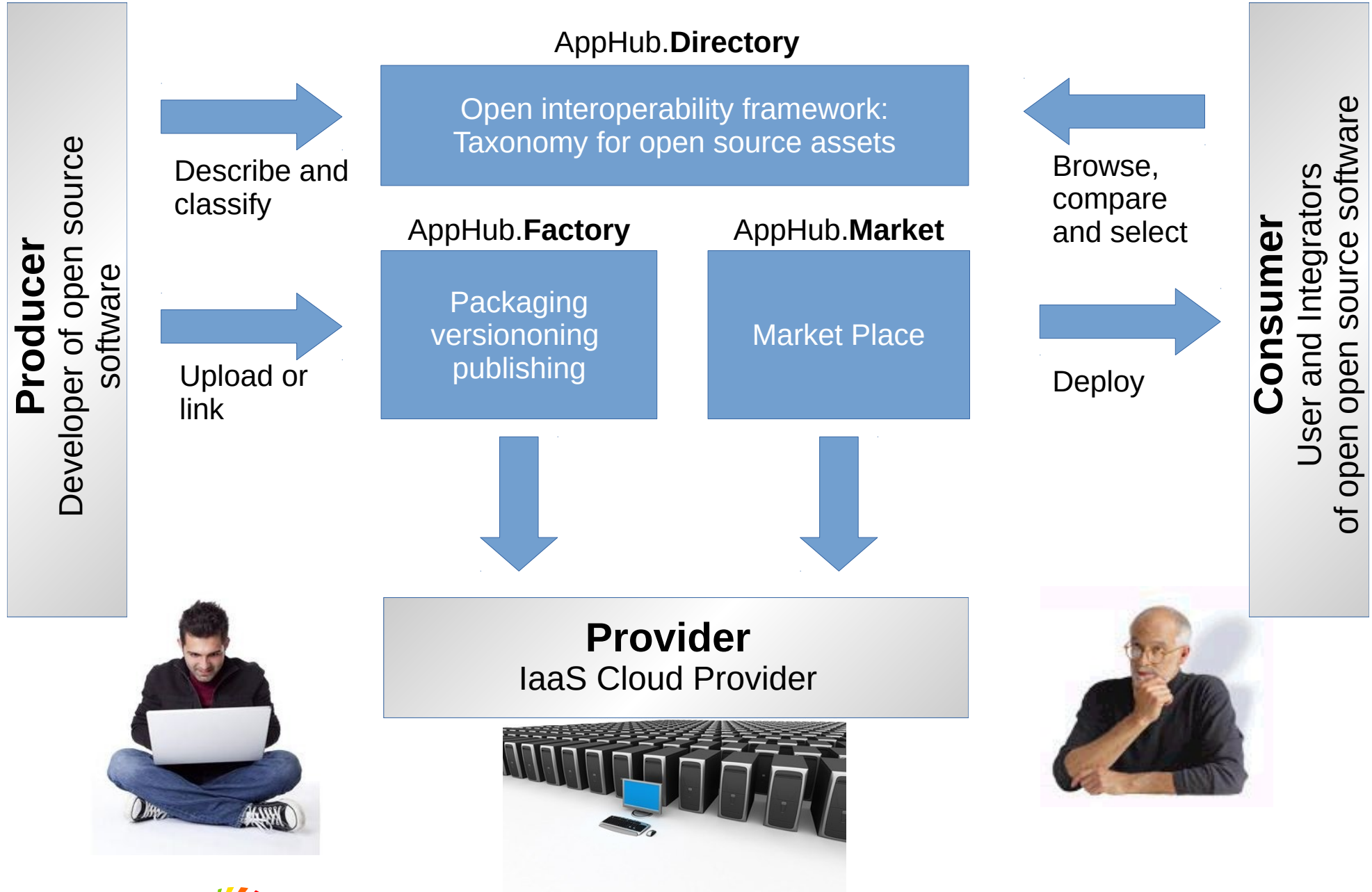
A community platform for the dissemination of EU-funded open source collaborative projects

Marketing Initiatives

Open Source Charter

Directory and Factory

- ▶ The three key services of a platform
 - ▶ Technical infrastructure
 - ▶ Delivers collaborative services to project teams
 - ▶ Rules of engagement
 - ▶ Framework for making decisions and doing things together
 - ▶ Market outreach
 - ▶ communication and branding services for developing the visibility and market awareness of the project.



AppHub Cloud Service Providers



CSP Program Ten Marketing Advantages

- ✓ Support for technical format
- ✓ Participation in webinars
- ✓ One-button connection
- ✓ Mention in AppHub emailing communications and/ or newsletters
- ✓ Logo on AppHub Website
- ✓ Listing on AppHub website
- ✓ Listing on AppHub Marketing material
- ✓ Joint marketing communication
- ✓ Joint Events
- ✓ Company profile on AppHub website

- ▶ Six CSPs have registered in the apphub-csp@ow2.org Mailing List
- ▶ ACMEO (Germany)
- ▶ CLARANET (France)
- ▶ FLEXIANT (UK)
- ▶ IKOULA (France)
- ▶ OUTSCALE (France)
- ▶ PROFITBRICKS (USA)

AppHub Outreach Partners



Outreach Partner Program

Five Marketing Advantages

- ✓ Cross referencing
- ✓ Listing on AppHub Marketing material
- ✓ Listing on AppHub website
- ✓ Logo on AppHub Website
- ✓ Mention in AppHub emailing communications and/ or newsletters

▶ First list of Outreach Partners with established contact:

- ▶ ADULLACT
- ▶ ASL
- ▶ IRILL
- ▶ OPENSTACK
- ▶ OSI

AppHub's unique dissemination benefits

- ▶ Immediate exposure to global market
- ▶ Seamless handling of software deployment
- ▶ Open source project management best practices

AppHub early adopters

The screenshot shows the AppHub Directory website. At the top is the AppHub logo and a search bar. Below is a navigation menu with links for Open Source Assets, Framework, AppHub Store, AppHub Factory, Help, and More. The main content area displays the project page for 'Hammr'. The page includes a description: 'A command-line tool for building consistent and repeatable machine images for different platforms. read more'. It also shows that the AppHub Charter has been accepted, with a green checkmark. On the left side, there are statistics: 1 Follower and 2 Members. Below these are 1 Open Source Asset and a 'Follow' button. The 'Information' section contains a table with the following data:

Acronym	hammr
Web Page	http://hammr.io
AppHub Charter accepted	✓

The 'Comments' section is currently empty. At the bottom of the page, there is an imprint section stating: 'AppHub Open Source Directory is a service of the AppHub Coordination and Support Action partially funded by the European Commission under the Horizon 2020 research and Innovation programme (Topic ICT-07-2014: Advanced Cloud Infrastructures and Services)'.

AppHub beta Evaluation form:
<http://l.ow2.org/apbeval>

▶ First 12 European Beta-Users

- ▶ ASCETiC (end **Sept 2016**)
- ▶ erOCCI (ongoing)
- ▶ Hammr (ongoing)
- ▶ INPUT (end **Jan 2018**)
- ▶ PaaSage (end **Sept 2016**)
- ▶ S-CASE (end **Oct 2016**)
- ▶ SPECS (end **Apr 2016**)
- ▶ Artist (end Sept 2015)
- ▶ Celar (end Sept 2015)
- ▶ CloudSpaces (end Sept 2015)
- ▶ MODAClouds (end Sept 2015)
- ▶ OSSMeter (end March 2015)

Your project on AppHub, Today!



- ▶ 09:15 – 09:30 Introduction
- ▶ 09:30 – 11:00 AppHub Project and OW2 SQuAT
- ▶ 11:00 – 11:30 Coffee break
- ▶ 11:30 – 12:30 Alignment Discussion Session
- ▶ 12:30 – 14:00 Lunch break
- ▶ 14:00 – 14:30 Summary of open discussion
- ▶ 14:30 – 15:30 Hands-on session
- ▶ 15:30 – 16:00 Coffee break
- ▶ 16:00 – 17:00 Hands-on session
- ▶ 17:00 – 17:30 Wrap-up

Project Name	Represented by	URL
Arcadia	Fatemeh Ahmadi Zeleti + Mahdi Ghafori	http://www.arcadia-framework.eu/wp/
ASCETiC	Lara Lopez	http://www.ascetic-project.eu/
BEACON	Philippe Massonet	http://www.beacon-project.eu/
Cosmos	Vrettos Moulos	http://www.cosmos-fp7.eu/
DICE	Dana Petcu	http://www.dice-h2020.eu/
ENTICE	Radu Prodan	http://www.entice-project.eu/
MIKELANGELO	Daniel Vladușič + Gregor Berginc	https://www.mikelangelo-project.eu/
ModaClouds	Dana Petcu	http://www.modaclouds.eu/
Orbit	Vrettos Moulos	http://www.orbitproject.eu/
PaaSage	Junior Fleurial Monfils	http://www.paasage.eu/
PaasWord	Simone Braun + Gerald Hübsch	http://www.password-europe.com/
Preforma	Benjamin Yousefi	http://www.preforma-project.eu/
SPECS	Dana Petcu	http://www.specs-fp7.eu/
SyncFree	Tyler Crain	https://syncfree.lip6.fr/

Our objectives today

AppHub SQuAT fest 2016

▶ Expected Results

- ▶ 14 EU projects represented
 - ▶ **XX** Projects with Charter approved
 - ▶ **XX** new AppHub Beta-testers
 - ▶ **XX** Projects with assets in Directory
 - ▶ **XX** Projects with Products in Store
 - ▶ **XX** Links to CSP, Outreach Partners
- ▶ **SQuAT Fest follow-up webpage**
<http://www.apphub.eu.com/bin/view/SQuATFest>



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Project Overview

Peter Deussen, Fraunhofer FOKUS

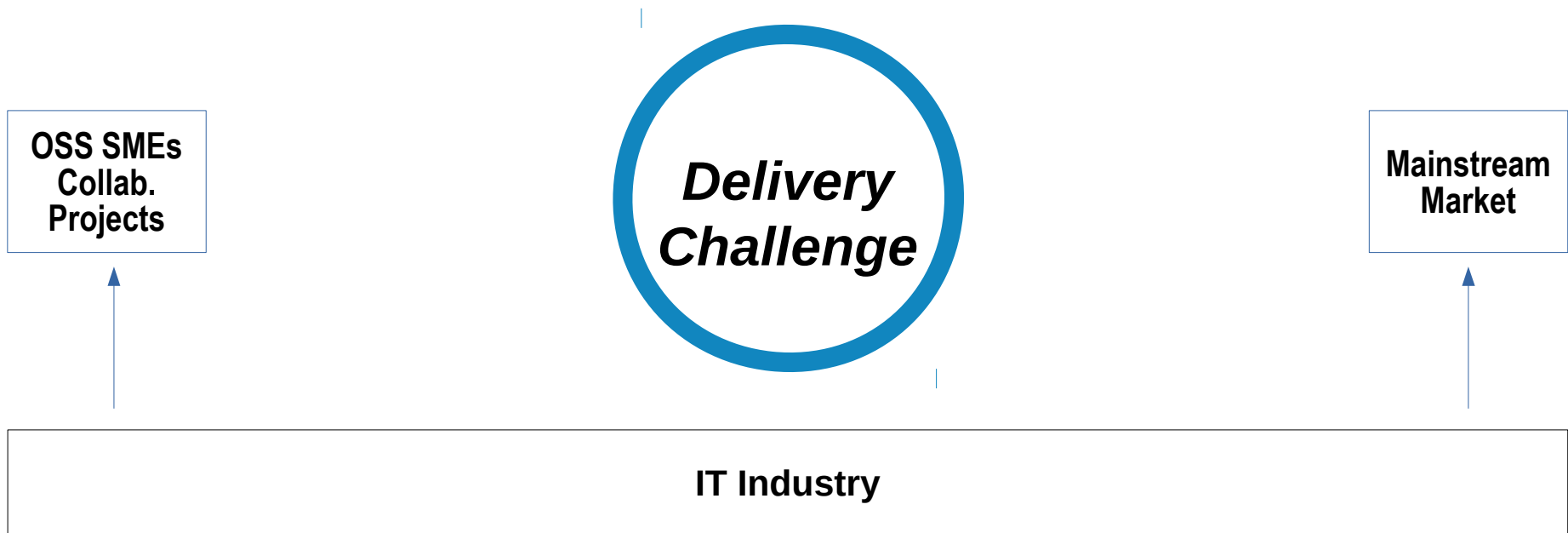


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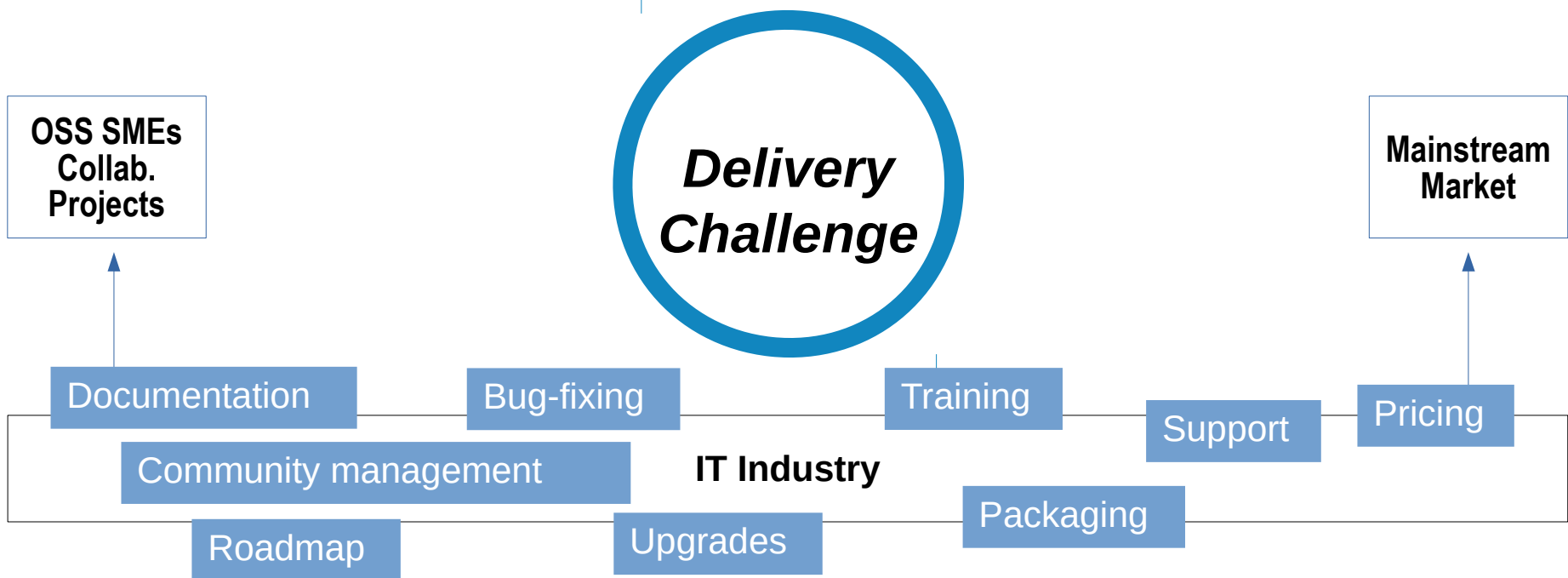
AppHub's mission

- ▶ AppHub addresses the **delivery challenge** of EU-supported OSS
- ▶ Bridging OSS SMEs and Collaborative projects with the mainstream **market**

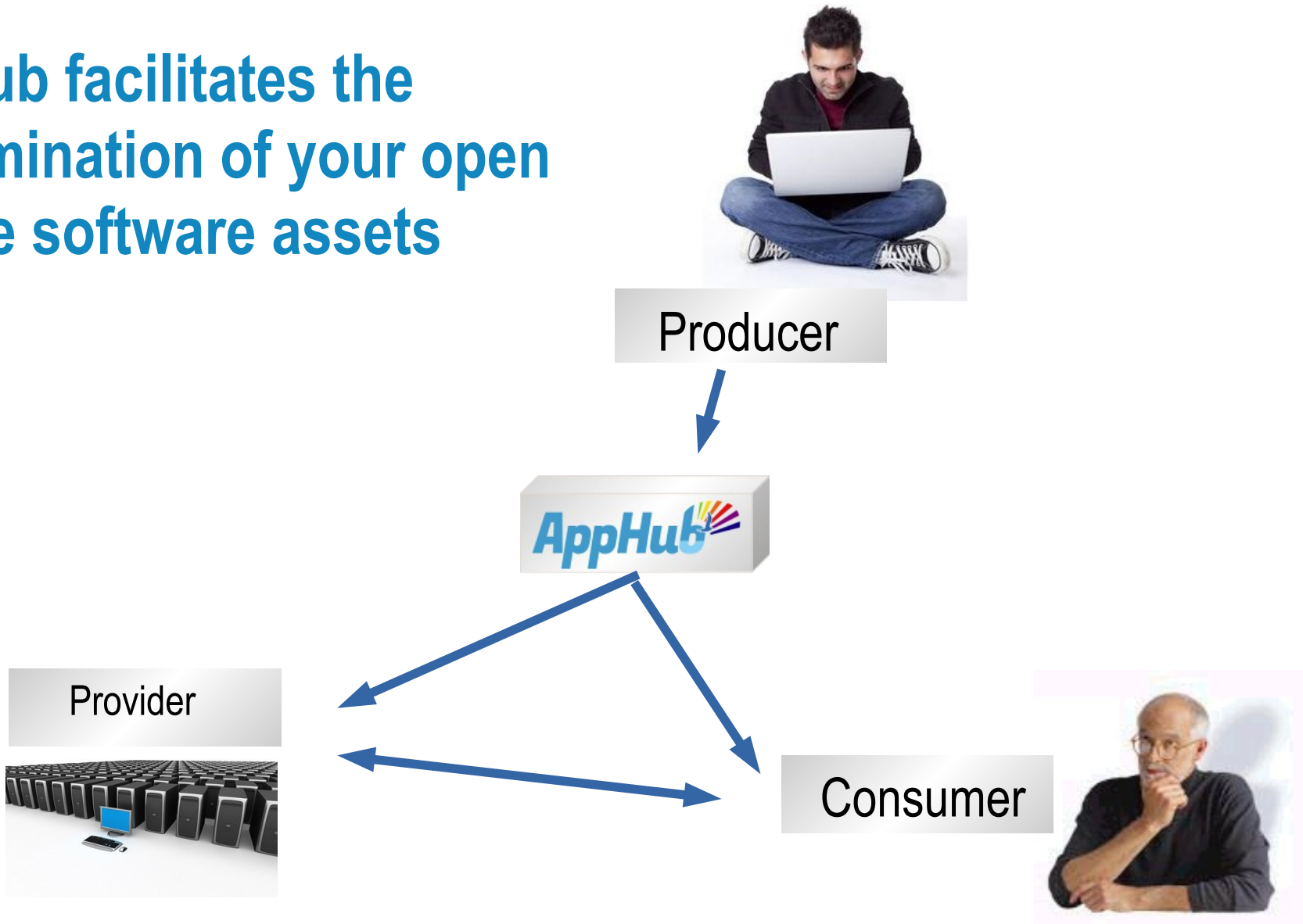


AppHub's mission

- ▶ AppHub addresses the **delivery challenge** of EU-supported OSS
- ▶ Bridging OSS SMEs and Collaborative projects with the mainstream **market**



AppHub facilitates the dissemination of your open source software assets



AppHub.Directory

Open interoperability framework:
Taxonomy for open source assets



Describe and
classify

Producer

Developer of open source
software



Producer
Developer of open source
software



Describe and
classify



Upload or
link

AppHub.Directory

Open interoperability framework:
Taxonomy for open source assets

AppHub.Factory

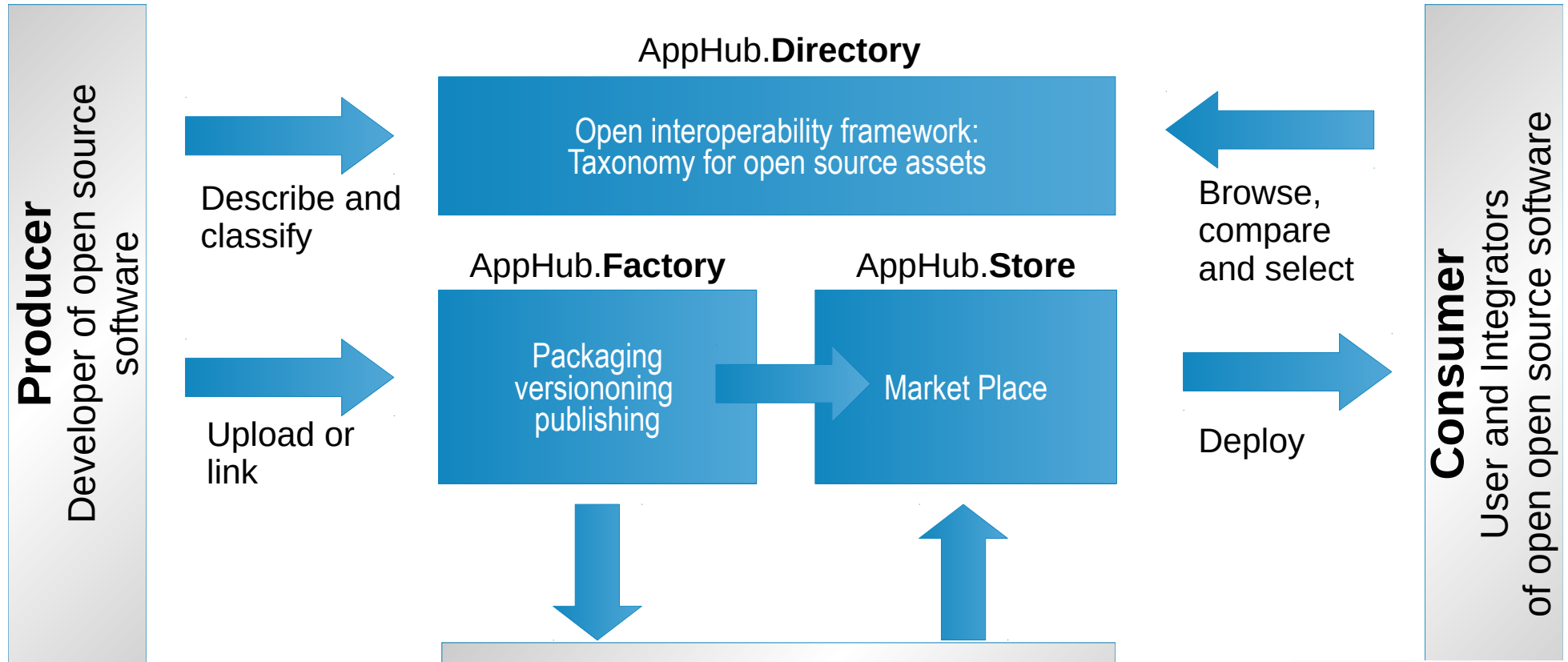
Packaging
versioning
publishing



Provider

IaaS Cloud Provider





Support on using the AppHub Marketplace

**Please provide feedback:
How to you experience
the usability of the
Marketplace ?
Is our documentation
understandable
and useful ?**

- ▶ Enterprise computing reference model
 - Helps you to describe your open source software in context
 - No silver bullet but a reasonable compromise
- ▶ Guides for consumers and producers
 - Explain how to use the platform
- ▶ Additional material
 - Quick workflow guides
 - Screencasts
- ▶ <https://directory.apphub.eu.com/page/help>

Support on helping you to implement open source governance

**Please provide feedback:
Are there additional
topics you are
interested in!**

- ▶ Open Source Charter
 - Commitments that help you to set up a successful open source project
- ▶ Quality controls for your project
 - A list of measures that will help you to increase the quality of your software
 - Aligned with the Open Source Charter
- ▶ Open Source lifecycle model
 - Stages and activities to guide the development of open source software
 - Aligned with the quality controls
- ▶ Data protection guidelines
 - Based on the upcoming European GDPR



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Platform Demonstration

Alexandre Lefebvre, UShareSoft



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AppHub Demonstration Objectives

- ▶ Get familiar with the AppHub concepts and platform
- ▶ See the detailed steps in order to expose your project in AppHub
 - ▶ Add your Project details to the AppHub Directory
 - ▶ Package your Project as a template in the AppHub Factory
 - ▶ Expose the result in the AppHub Store
- ▶ You can get started during the hands-on session this afternoon

AppHub Demonstration Outline

- ▶ What your project will look like for Consumers
 - ▶ browse AppHub Store, export to AppHub Factory to generate images
- ▶ How to create your project on the AppHub Directory
 - ▶ create an account, create your project, add assets
- ▶ How to use the AppHub Factory to create a Template
- ▶ How to import your Factory template and expose it in the Store

A



Describe your projects and assets and make them comparable to others

1. Create AppHub account
2. Create projects
3. Sign AppHub Charter
4. Add and describe assets
5. Manage assets (expose as public)

Push Asset data to the Store

Creates a Store Template representing your asset in the AppHub Store

C



Publish your asset as executable ready to be deployed in the cloud

1. Update Store Template information
2. Link to Factory Template
3. Submit for approval

B



Make your asset cloud-ready

1. Upload software
 2. Create templates
- Optional:*
3. Generate images
 4. Download images or publish to Cloud

AppHub Producer Workflow

Steps needed to showcase your open source asset



AppHub Demonstration: References and links

- ▶ View screencasts on the AppHub project website, [Discover > Videos](#) link
- ▶ See guides on the AppHub Directory website, [Help](#) link in menubar
- ▶ Get help from the AppHub team
 - ▶ Send feedback and but report links in the Directory “More” menu
 - ▶ Or use the AppHub issue tracker <https://jira.ow2.org/browse/APB/>



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The AppHub Charter Explained

Cédric Thomas, OW2
AppHub SQuAT Fest
Brussels, January 26, 2016



OW2-LAPTOP3:~ cedricthomas\$

0> The freedom to run the software for any purpose




```
OW2-LAPTOP3:~ cedricthomas$
```

0> The freedom to run the software for any purpose

1> The freedom to study how the software works and
to adapt it to your needs █

```
OW2-LAPTOP3:~ cedricthomas$
```

- 0> The freedom to run the software for any purpose
- 1> The freedom to study how the software works and to adapt it to your needs
- 2> The freedom to redistribute copies of the software

OW2-LAPTOP3:~ cedricthomas\$

0> The freedom to run the software for any purpose

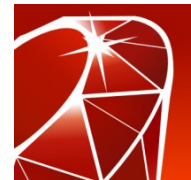
1> The freedom to study how the software works and to adapt it to your needs

2> The freedom to redistribute copies of the software

3> The freedom to improve the software and distribute your improvements to the public █



FreeBSD



X-WIKI

Activeeon
SCALE BEYOND LIMITS

puppet
labs

heroku

SkySQL

EUCALYPTUS

bonitasoft
open your processes

nebula

spagobi

SUGARCRM.
THE CLOUD IS OPEN

OpenERP
Open-Source Management Software

eNovance
Cloud & Managed Services Provider

PostgreSQL

JASPERSOFT
the intelligence inside

FUNAMBOL
Mobile 2.0 messaging, powered by open source.

redhat



CANONICAL

GLUSTER

talend*
*open integration solutions

inktank

CloudBees
The Java™ PaaS Company

openSUSE™

ACTUATE.
The BIRT Company™

FOSSO
FOSS-Group

Alfresco™

GitHub

pentaho™
open source business intelligence™

cloudera™

EXO

Kaltura
creating together

WSO2

LIFERAY.

mongoDB

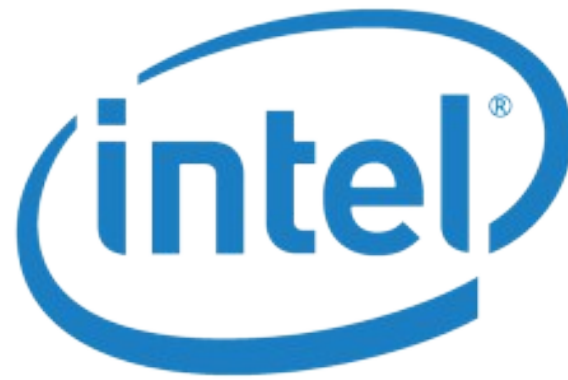
INFOBRIGHT

ACQUIA™

Joyent™

INGRES⁷

Tencent 腾讯



CITRIX®



Google



ORACLE®

The charter aims at contributing to the implementation of legal, technical and community management best practices

- ▶ Improve the overall perception and **market readiness** of the projects
- ▶ Make projects **easy-to-contribute-to**
- ▶ Improve projects' perceived **trustworthiness**
- ▶ Make projects **sustainable**: worth contributing to, worth investing in
- ▶ Overall, improve **professionalism** of EU OSS SMEs and EU-supported open source projects

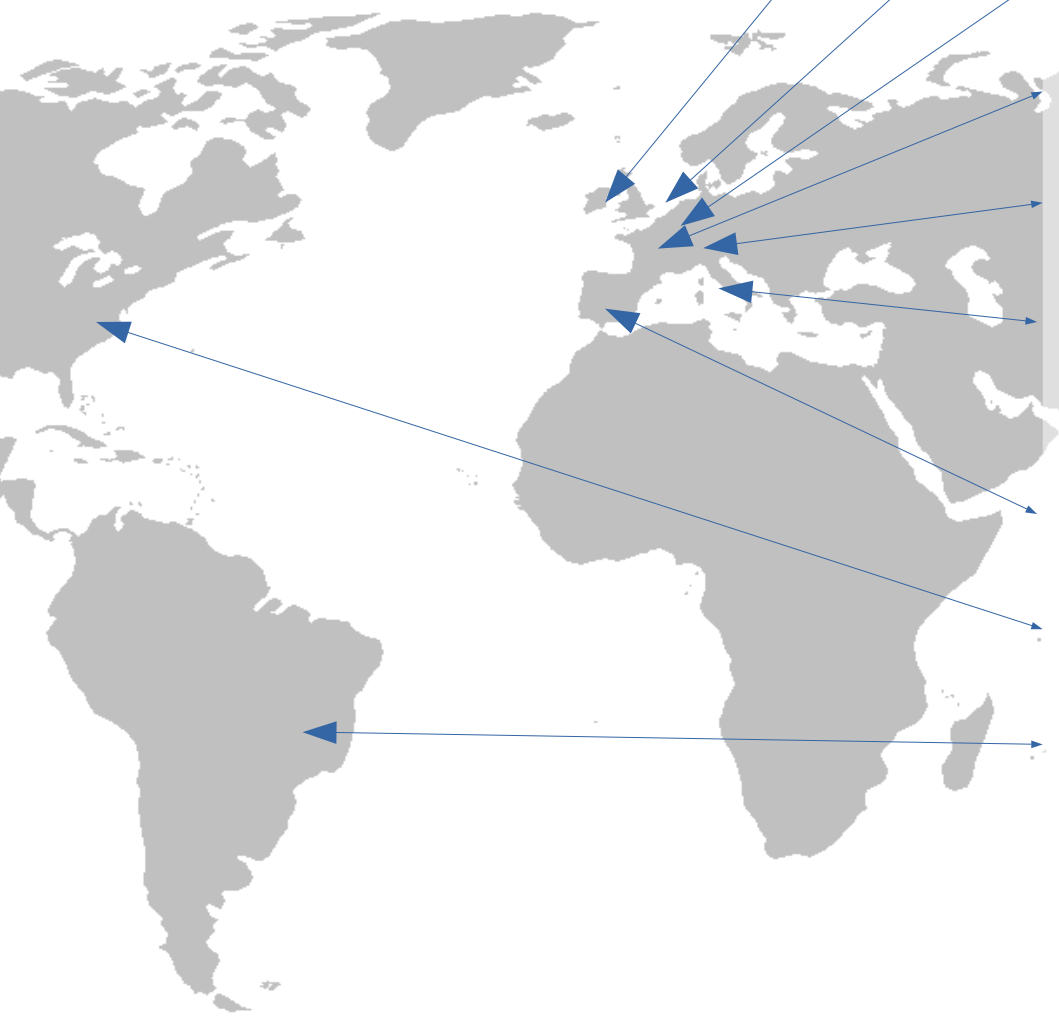
Governance makes the difference

- ▶ Repositories and forges are just places to store/develop code
 - ▶ GitHub, BitBucket, SourceForge, BerliOS, etc.
- ▶ Open source licensing code does not make an OSS project
 - ▶ Hundreds of thousands of OSS are still waiting for contributors
- ▶ Communities are built around well respected OSS governance
 - ▶ Transparent, Open, Fair, etc.
- ▶ Third-party stakeholders expect:
 - ▶ Trustworthiness
 - ▶ Predictability

The AppHub Advisory Board

- ▶Pragmatic
 - ▶People with hands-on experience
 - ▶No diva nor so-called luminaries
- ▶Technical
 - ▶It is about software engineering
 - ▶But also about OSS community
- ▶European but also global
 - ▶Technology is global
 - ▶Representative of successful projects

The AppHub Advisory Board



- ▶ **Theo Lynn** (Irish Centre for Cloud Computing & Commerce)
- ▶ **Lars Kurth** (Xen)
- ▶ **Sophie Gautier** (LibreOffice)
- ▶ **Roberto di Cosmo** (IRILL)
- ▶ **Patrick Ohnewein** (FSFe)
- ▶ **Francesco Chicchiricco** (Apache Coccon, Syncope, Olingo)
- ▶ **Manuel Velardo** (Cenatic)
- ▶ **Dave Neary** (Red Hat)
- ▶ **Nelson Lago** (Uni Sao Paulo FLOSS Competency Center)

The OSS charter covers 10 broad chapters



- ▶ Governance
- ▶ Licenses, copyright and IP Mgt
- ▶ Project documentation
- ▶ Architecture
- ▶ Project testing process
- ▶ Code maintainability and stability
- ▶ Requirement and Roadmap Mgt
- ▶ Configuration and version Mgt
- ▶ Use of and compliance with standards
- ▶ Contribution and Contributors Mgt

Charter Process Highlights

- ▶ Engagement
 - ▶ Signing the charter
- ▶ Enforcement
 - ▶ Checking compliance
- ▶ Evolution
 - ▶ Updating the Charter



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RISCOSS Platform

Cedric Thomas, OW2



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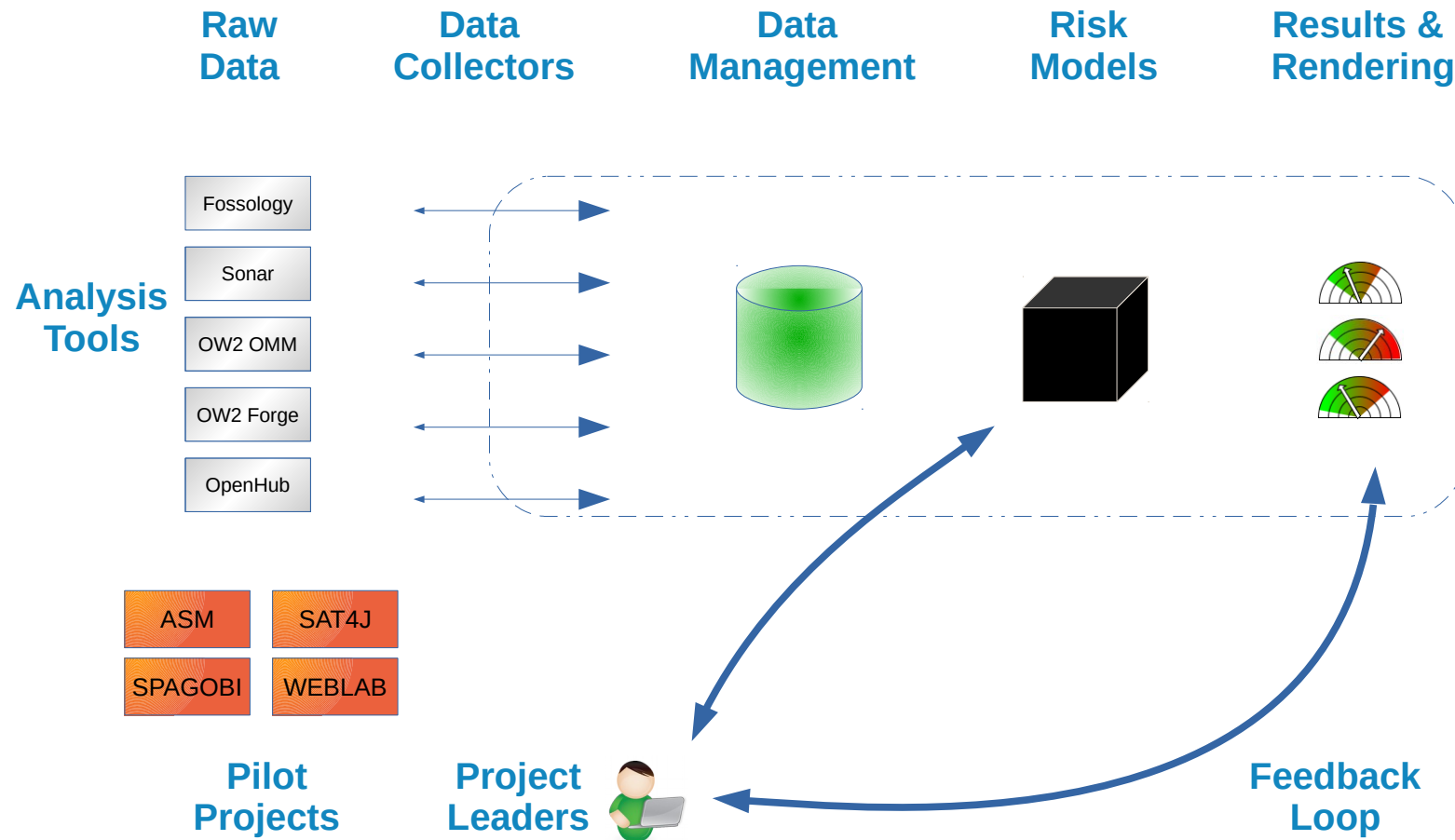
- ▶ Facilitate the adoption of open source software into mainstream products and services
- ▶ Risk management methodology
 - ▶ License conflicts
 - ▶ License uncertainty
 - ▶ Project Actviveness
 - ▶ Code quality
 - ▶ Maintainability
 - ▶ Upgrade constraints
 - ▶ Etc.

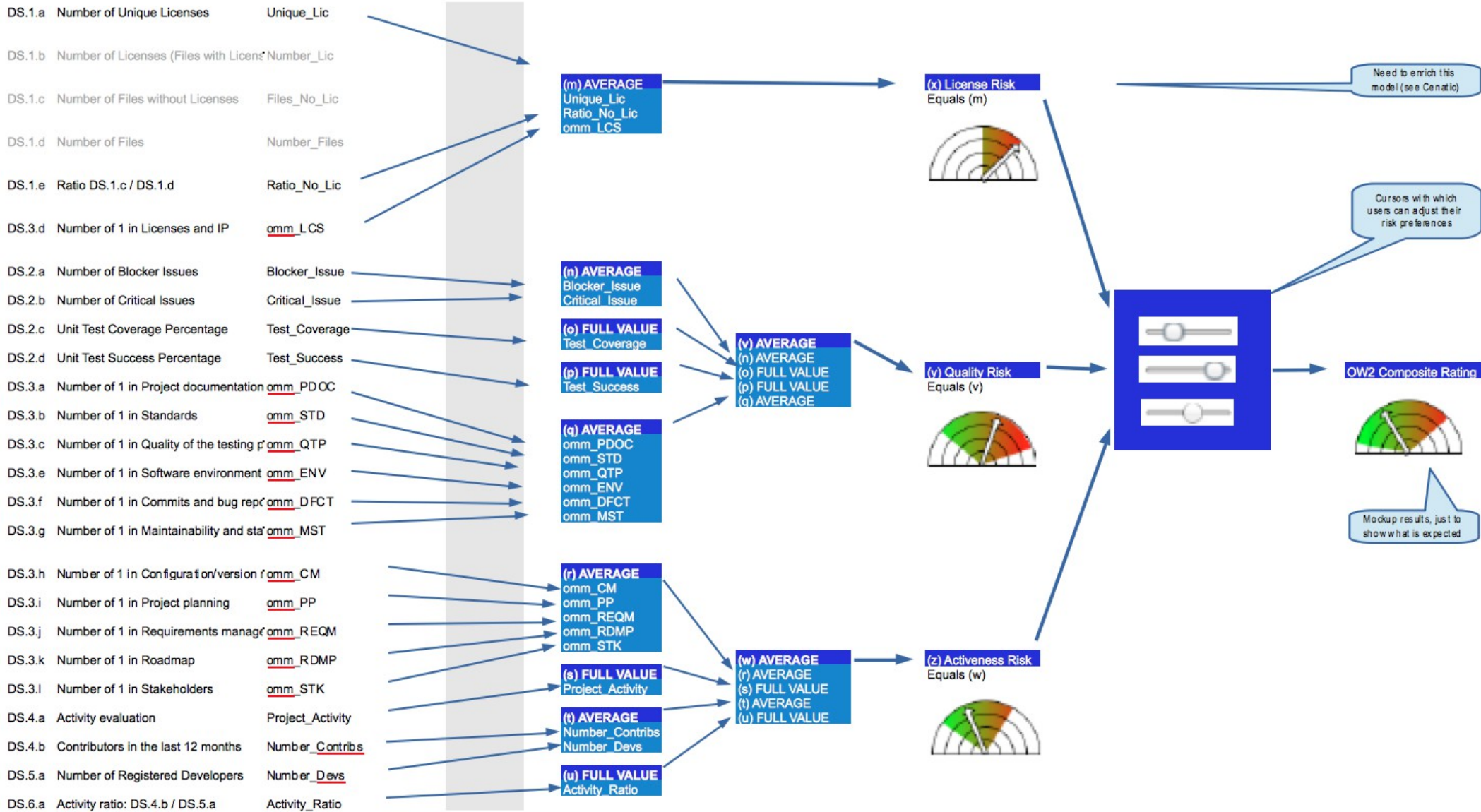
How to implement a systematic approach towards understanding, representing and assessing all kinds of risk?



- ▶ Understanding, managing and mitigating OSS adoption risks is crucial to avoid potentially significant adverse impact on the business, in terms of time to market, customer satisfaction, revenue and brand image.
- ▶ A real-life use-case
 - ▶ Developing regulation-compliant product for the Ericsson Corporation

Project to Analysis





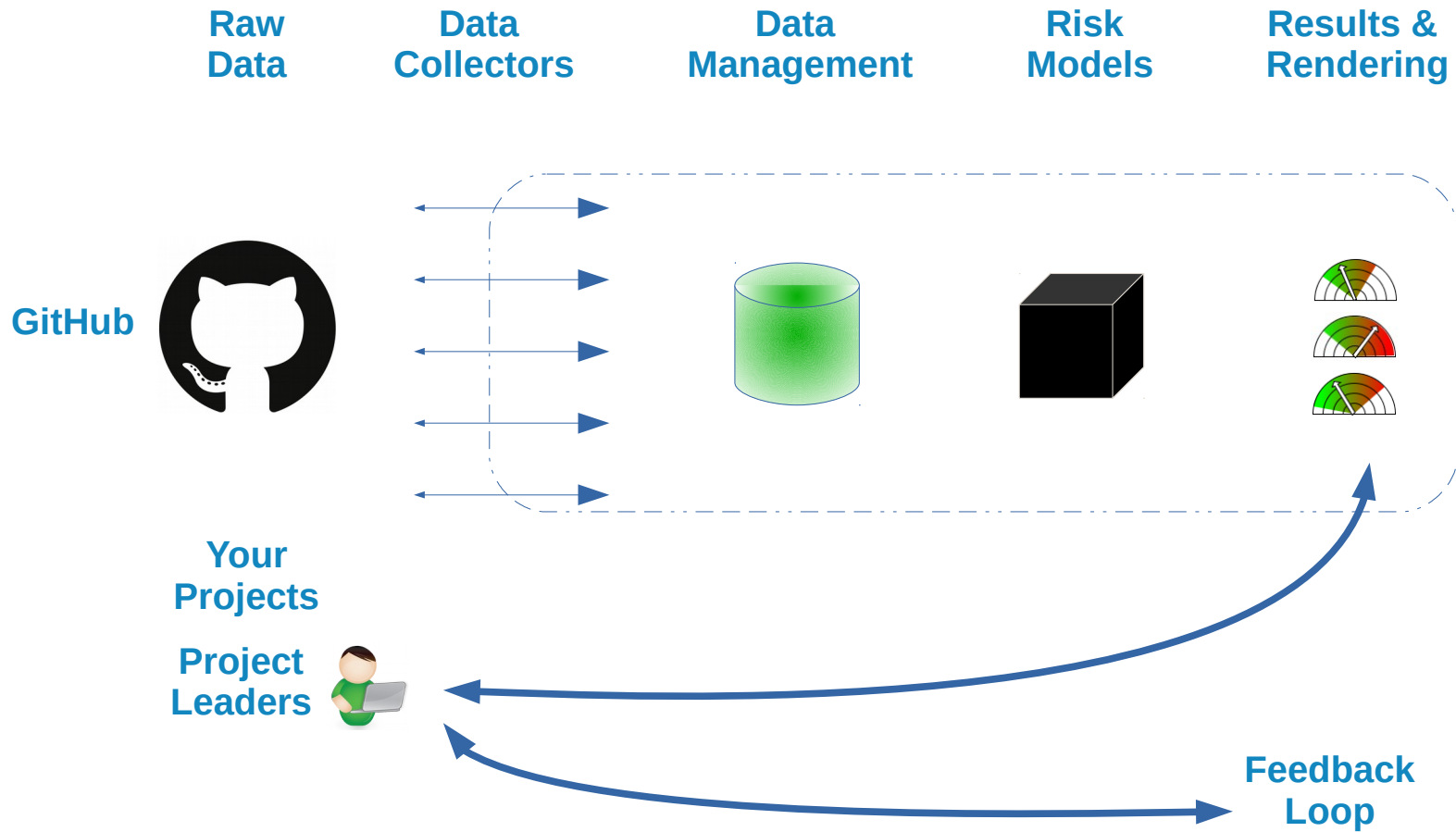
Analysis of SAT4J using OW2-ALL Risk Configuration

Last modified by superadmin on 2015/07/07 02:56

Risk Evaluation

Quality Risk		<ul style="list-style-type: none">Positive: 0.0416Negative: 0.2082
License violation risk		<ul style="list-style-type: none">Positive: 0.0714Negative: 0.0076
License uncertainty		<ul style="list-style-type: none">Positive: 0.0232Negative: 0.3332
Inability to modify the OSS component		<ul style="list-style-type: none">Positive: 0.3064Negative: 0
Activeness Risk		<ul style="list-style-type: none">Positive: 0.025Negative: 0.2249

Try RISCOSS GitHubAnalyzer



Three platforms

- ▶ RISCOSS GitHubAnalyzer
- ▶ RISCOSS Corporate
- ▶ RISCOSS Community

RISCOSS GitHubAnalyzer

Welcome to RISCOSS GitHubAnalyzer. With GitHubAnalyzer you can analyse any project on GitHub. An easy and fun way to test the RISCOSS platform! Go for it! And let us know what you think, we'd love to hear from you!

[REGISTER](#) [LOG-IN](#) [Connect with GitHub](#)

Available Results

Here is a list of projects that have already been analysed. Feel free to browse through them. Please log in (use the buttons above) if you want to analyse a project that is not in the list.

Results 1 - 10 out of 119 per page of 10

Project	Description	Author	Score
kraih/mojo	Mojolicious - Perl real-time web framework	github_cedrich	371
zeromq/pyzmq	PyZMQ: Python bindings for zeromq	Michel Drescher	329
major/MySQLTuner-perl	MySQLTuner is a script written in Perl that will assist you with your MySQL configuration and make recommendations for increased performance and stability.	github_cedrich	314
symfony/symfony	The Symfony PHP framework	JEAN-RENÉ ATHANASE	299

riscoss
DECISION SUPPORT PLATFORM
v0.4.1

admin (Playground) Configure Run Browse Admin Help us

What-If Analysis

SELECT MODELS...

#s MIT	#id LGPL2.1	#target EUPL	41	0	1
#s BSD4	#id LGPL2.1+	#target GPL2	42	0	1
#s BSD3	#id LGPL3+	#target GPL2+	0	18	0
#s ASL1	#id MPL	#target GPL3	52	26	0
#s ASL2	#id CDDL	#target AGPL3	49	0	0
#s Artistic2	#id CPL-EPL	#OTHER	48	33	0
#s LGPL2.1	#id EUPL	linking	74	42	0

Internal Incompatibility

External Incompatibility

Lack of Affinity

Reduced Target License Set

riscoss
DECISION SUPPORT PLATFORM

[ABOUT OW2 RISCOSS](#)

DATA COLLECTORS

- Fossology Data Collector
- GForge Data Collector
- JIRA Data Collector
- OpenHub Data Collector
- Sonar Data Collector

[VIEW ALL](#)

RISK MODELS

- ANSI Risk Model Demo
- Basic Risk Model
- OW2 Risk Model
- White Bird Risk Model
- XCheck Risk Model

[VIEW ALL](#)

ANALYZE PROJECTS

- ASM
- LemonLDAP:NG
- SAT4J
- SpagoBI
- WebLab

[VIEW ALL](#)

These analysis come from the RISCOSS project. A research project partially funded by the European Commission.



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OW2 SQuAT, Introduction to QA Tools

Stéphane Laurière, OW2



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SQuAT: Software Quality and Trustworthiness

- ▶ Purpose:
- ▶ OSS quality and adoption increase
- ▶ Best practices dissemination
- ▶ Standardization
- ▶ AppHub EU projects survey context:

- 44% of projects don't perform [quality management](#)
- 44% of projects don't have [community](#) involved
- 38% of projects don't [maintain requirements](#) on their software
- 38% of projects don't follow a [project roadmap](#)
- 25% of projects do not implement a throughout [testing process](#)
- 6% of projects don't provide [documentation](#) (guides)

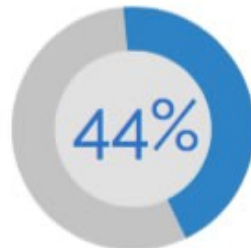
Quick Project Survey

**Only One of Two
European Open
Source Project
Manage Stability
and Maintainability**

AppHub Study, Oct. 2015

[http://www.apphub.eu.com/bin/view/
Share_Collateral/AppHub_Survey_1](http://www.apphub.eu.com/bin/view/Share_Collateral/AppHub_Survey_1)

eSurvey: <http://l.ow2.org/b>



▶ An AppHub study on the OSS Delivery Challenge

▶ Sept-Oct 2015 survey

▶ N=16 EC projects

▶ 44% don't perform Qty Mngt

▶ 44% don't have community involved

▶ 38% don't maintain requirements on their software

▶ 38% don't follow a project roadmap

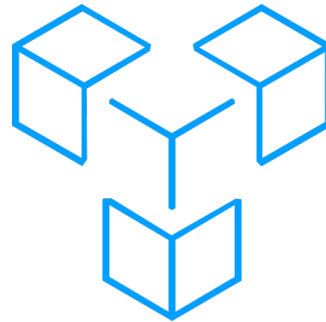
▶ 25% don't implement a througout testing process

▶ 1 project doesn't provide guide/doc

SQuAT Methodology Pillars



Governance
analysis



Code and
engineering
processes analysis



Metrics and
dashboards
computation

SQuAT Scope

Planning

Standards

Documentation

Licences and IP



Governance

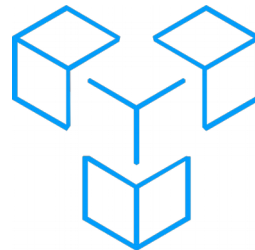
Deployment

Commits / Bugs

Requirements

Testing

Static code analysis



Engineering

Quality API

Visual reporting

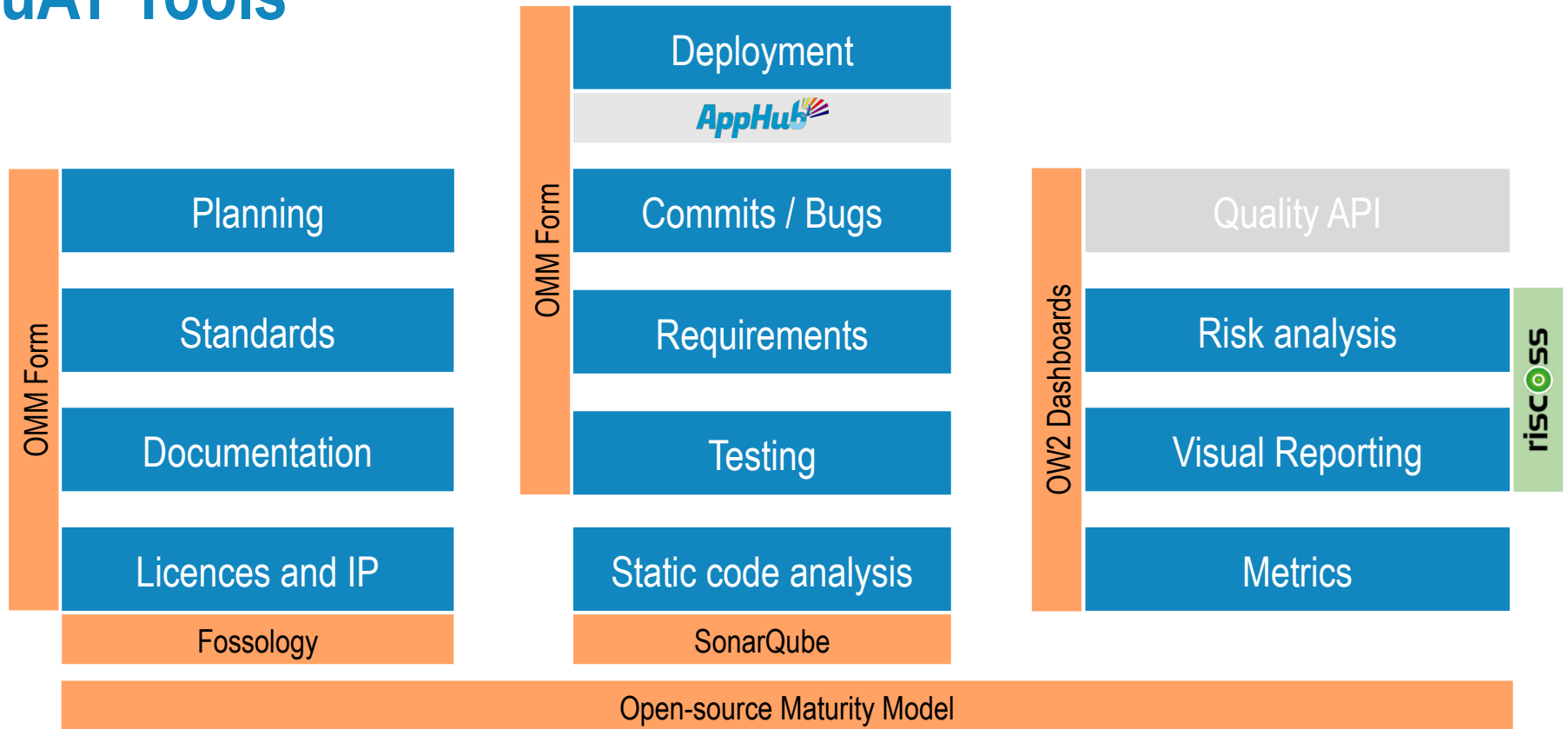
Metrics

Stakeholders involvement

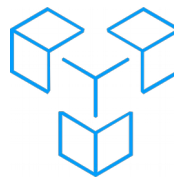


Dashboards

SQuAT Tools



Governance



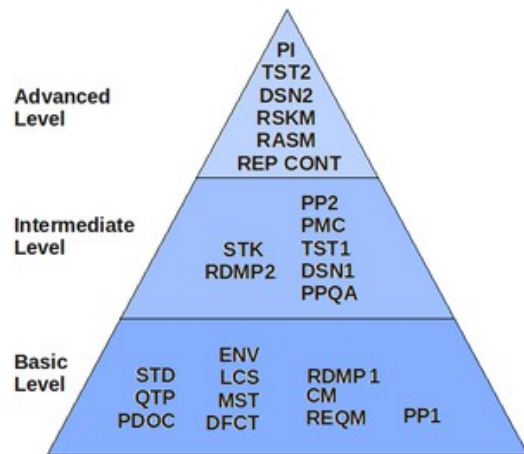
Engineering



Dashboards



SQuAT Tools – Open-source Maturity Model












- ▶ Outcome of the Qualipso FP6 EU Project
- ▶ OMM on Wikipedia
- ▶ OMM keeps evolving for covering new quality criteria such as Deployment capabilities within AppHub

OMM Form



PDOC: Project Documentation

Purpose: Develop and maintain project documentation, making it readily accessible to the community

PDOC-1.1	Does the project create a development documentation?		75-100 % implemented
PDOC-1.2	Does the project create user documentation?		75-100 % implemented
PDOC-1.3	Does the project create generic documentation?		50-75 % implemented
PDOC-2.1	Does the project provide a documentation system?		75-100 % implemented
PDOC-2.2	Does the project maintain the documentation based on the collected user feedback?		75-100 % implemented
PDOC-3.1	Does the project have a documentation roadmap?		25-50 % implemented
PDOC-3.2	Does the project improve documentation through support of several natural languages?		0 -25 % implemented
PDOC-3.3	Does the project improve intrinsic quality of documentation?		75-100 % implemented
PDOC-3.4	Improve documents based on feedback and on evaluation		50-75 % implemented

STD: Use of Established and Widespread Standards

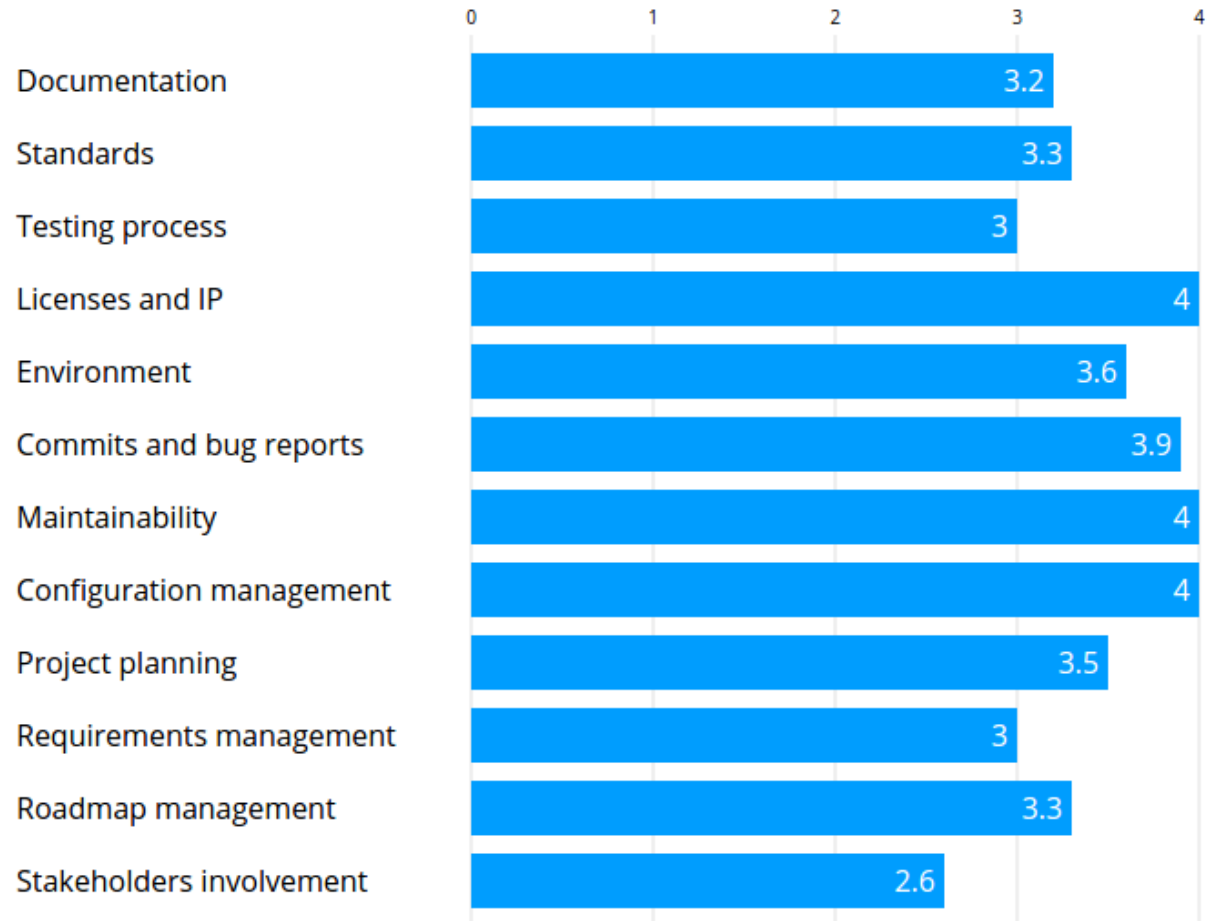
Purpose: Promote the use and implementation of Open Standards for product and process

STD-1.1	Does the project implement widely accepted open product standards?		75-100 % implemented
STD-1.2	Does the project implements standards certified by FLOSS-supporting certification entities?		50-75 % implemented

OMM Form



ProActive OMM



Average OMM score by category

IP Analysis with FOSSology

- ▶ www.fossology.org - GPLv2

- ▶ SPDX compliant

SPDX is a standard format for communicating the components licenses and copyrights associated with a software package

- ▶ Hosted by the Linux Foundation

FOSSology Analysis



fossology.ow2.org

Scanner Count ▼	Concluded License Count ▼	License Name ▼
940	0	AGPL-3.0
427	0	No_license_found
12	0	MPL
6	0	Microsoft-possibility
6	0	BSD
5	0	Apache-2.0
4	0	MIT
4	0	GPL-3.0
2	0	OFL-1.1
2	0	MIT-style
2	0	MIT-possibility
2	0	GPL-possibility
2	0	GPL-2.0
1	0	Zlib
1	0	See-file
1	0	BSD-possibility
1	0	BSD-2-Clause

Showing 1 to 17 of 17 licenses

◀ Previous Next ▶

Hint: Click on the license name to search for where the license is found in the file listing.

Unique licenses	17	1407	Files
Unique scanner detected licenses	17	0	Unique concluded licenses
Licenses found	991	0	Licenses concluded
Files with no detected licenses	427	0	Concluded files with no license information



IP analysis with Fossology



- ▶ www.fossology.org - GPLv2

- ▶ SPDX compliant

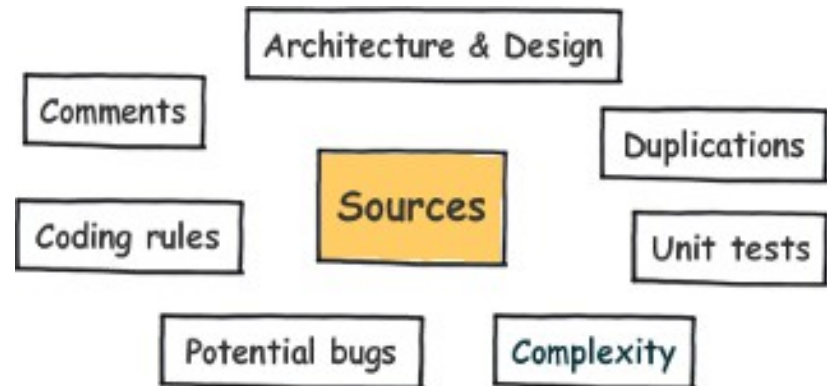
SPDX is a standard format for communicating the components licenses and copyrights associated with a software package

- ▶ Hosted by the Linux Foundation

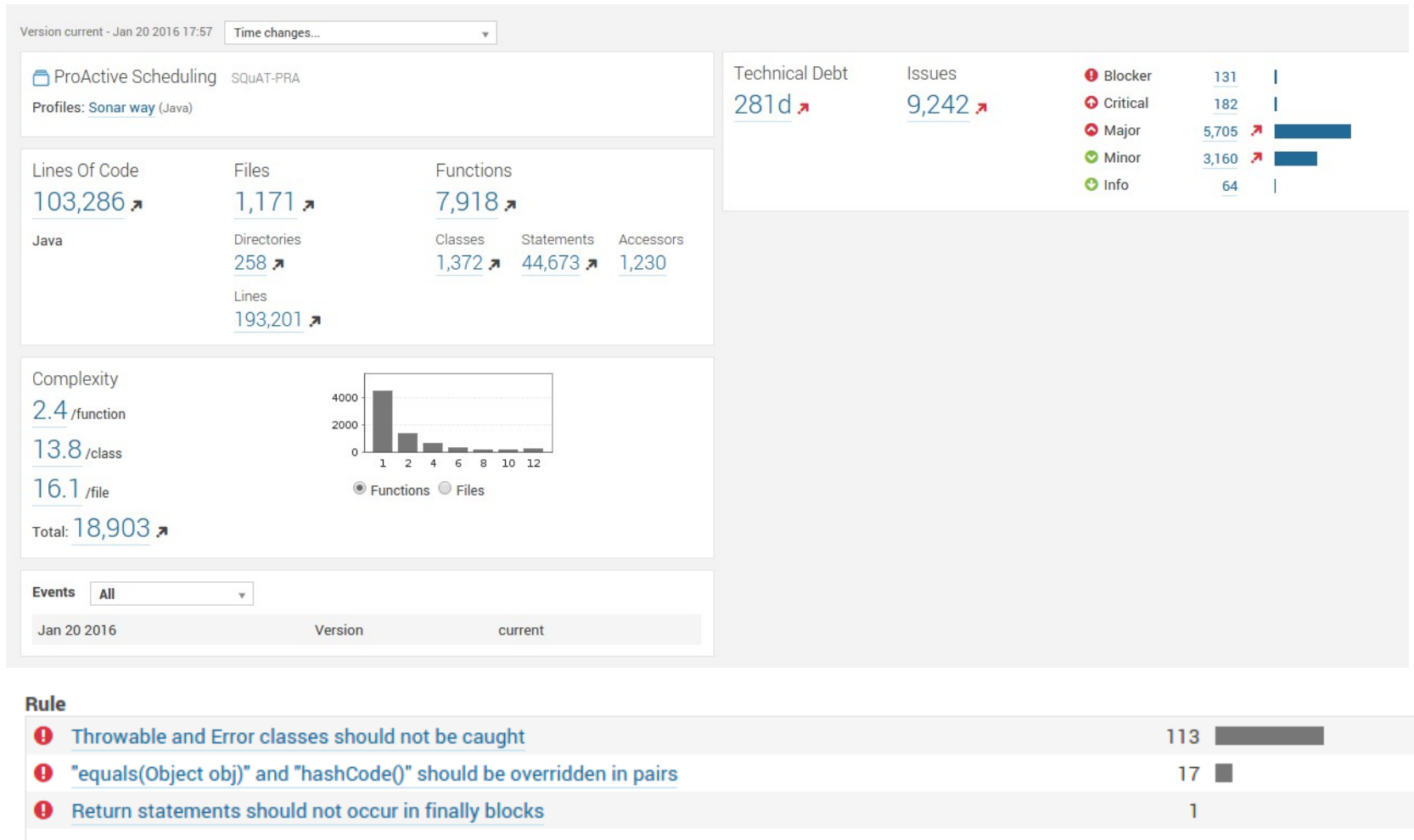
SonarQube static code analyser



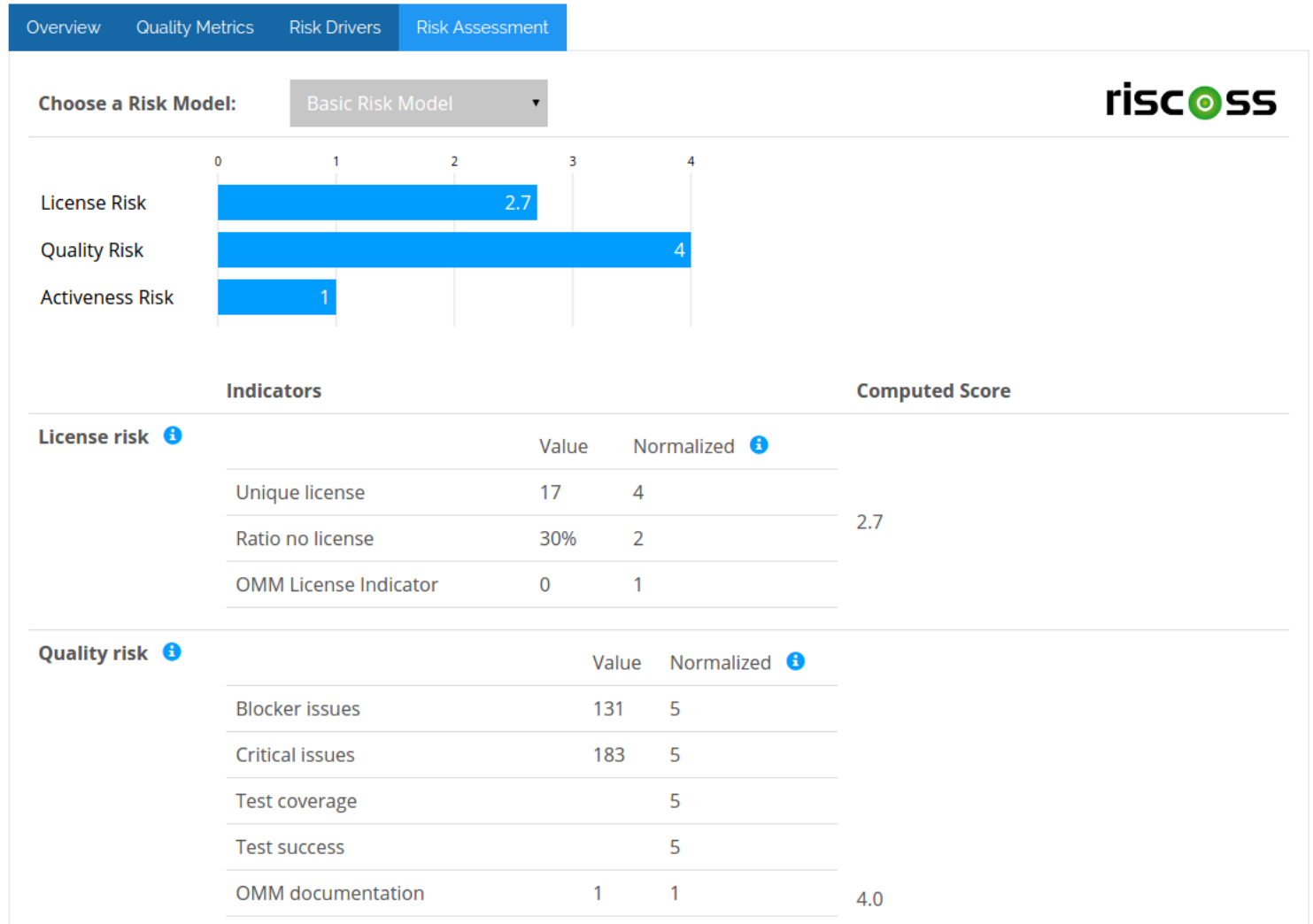
- ▶ www.sonarqube.org - LGPLv3
- ▶ Covers "the seven axis of code quality"
- ▶ Supporting company: SonarSource



SonarQube applied to ProActive



SQuAT Dashboard



OSS Quality Initiatives



Reuse Readiness Levels (RRLs)



 **BLACKDUCK** | Open HUB

DejaCode



- ▶ OSS quality models
- ▶ The Linux Foundation Badge program
- ▶ OpenHub analysis model
- ▶ OSSWatch Software Sustainability Maturity Model
- ▶ NASA Reuse Readiness Levels
- ▶ License and IP analysis:
 - ▶ Black Duck Software, Palamida, DejaCode, TripleCheck
 - ▶ Static code analysers on Wikipedia
 - ▶ Dashboards and APIs: Bitergia, FlossCommunityMetrics

Jan 26, 2016

AppHub

SQuAT fest 2016



COFFEE BREAK!

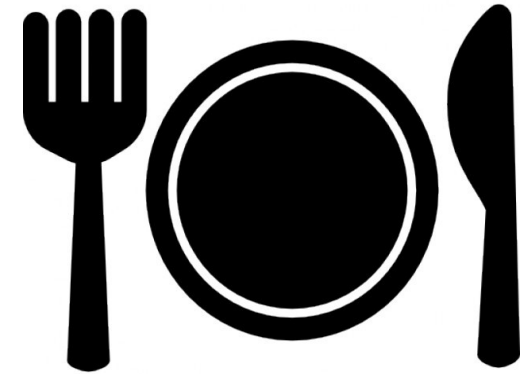
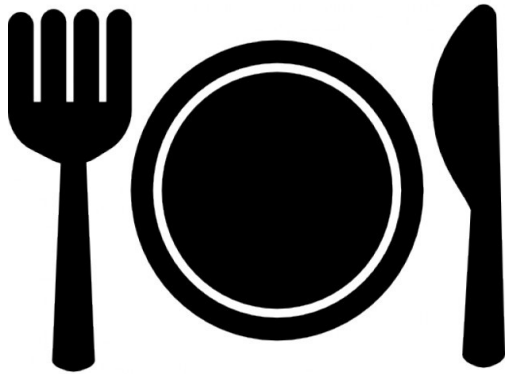


AppHub SQuAT Fest
Brussels, January 26, 2016



AppHub

SQuAT fest 2016



LUNCH BREAK!



AppHub SQuAT Fest
Brussels, January 26, 2016

