

CHA^{SS}SS

CHA^{SS}SS

SSCHA^{SS}SS
SSCHA^{SS}SS

Growth
Maturity and
Decline
Metrics

CHAOSCON Europe
2019

February 1, 2019
Brussels, Belgium

CHA^{SS}SS
CHA^{SS}SS
CHA^{SS}SS
CHA^{SS}SS
CHA^{SS}SS
CHA^{SS}SS

CHA^{SS}SS

CHA^{SS}SS

Growth Maturity and Decline Metrics

1. Current status & Roadmap
2. Focus Areas
3. Use Cases
4. Metrics
5. How to contribute

Current status

Testing the procedures for defining metrics

Adapting them at the same time

Current method:

- Define a focus area
- Define goals (of knowledge) for it
- Define questions to help in reaching those goals
- Define metrics that help to answer those questions
- Inform everything with use cases

Current status (focus areas)

- Code development
- Community growth
- Issue resolution
- Risk
- Value

https://github.com/chaoss/wg-gmd/tree/master/focus_areas

Structure of a focus area

- Goals
- For each goal: questions
- For each question: metrics

https://github.com/chaoss/wg-gmd/blob/master/focus_areas/code_development.md

Structure of a focus area (example)

Goal:

“Activity: Learning about how much activity is involved in changing (or adding) code”

Questions:

- *Changes: How many changes are happening to the code base, during a certain period?*
- ...

Metric:

- *Code_Changes_No: Number of changes to the code base*
- *Code_Lines_Changed_No: Number of lines changed in the source code*
- ...

https://github.com/chaoss/wg-gmd/blob/master/focus_areas/code_development.md

Metric definition

Description

Parameters

Use cases

Reference implementation

Known implementations

https://github.com/chaoss/wg-gmd/blob/master/metrics/Code_Changes.md

Reference implementation

Python notebook

Data retrieval using Perceval (GrimoireLab)

File with one JSON document per item

Metrics implemented as Python classes

Examples and (future work) tests

https://github.com/chaoss/wg-gmd/blob/master/implementations/Code_Changes-Git.ipynb

Roadmap

Define the boundaries of the WG

Define focus areas

Get more use cases

Make focus areas consistent with use cases

Build a status table for produced metrics

Grow the work group

<https://github.com/chaoss/wg-gmd/blob/master/ROADMAP.md>

How to contribute

- Use cases: open issue, help in pull request
- Focus areas: help to debug, improve them
 - Goals
 - Questions
 - Metrics
- Reference implementations
- Comment in general about anything
- Hang out in weekly meetings (Wednesdays)

Discussion