GrimoireLab & CROSSMINER

Two different philosophies to measure open source community health

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{valcos, georglink}@bitergia.com @_valcos_, @GeorgLink





Car, Bus, Train, or Plane?









/the question



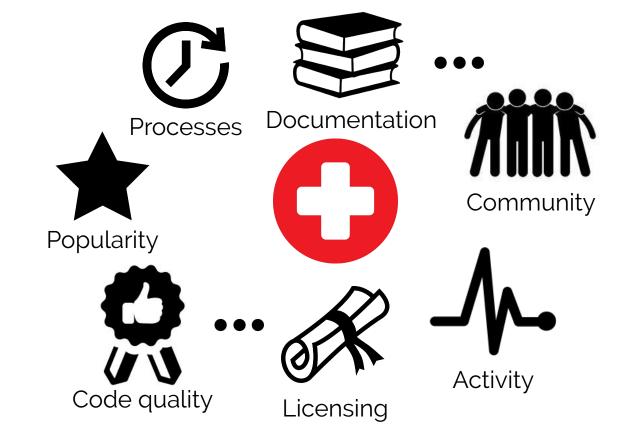
How can we know if an open source community is healthy?



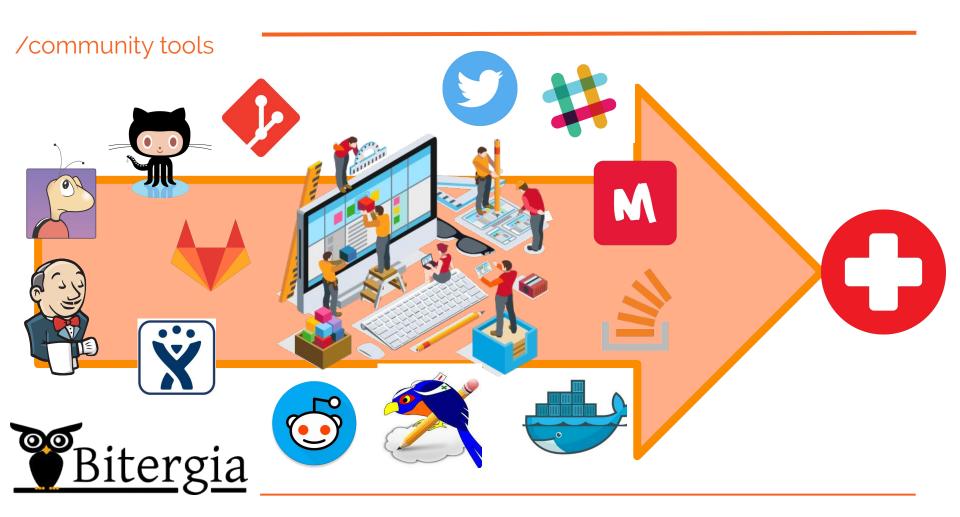


/community health









/diff. philosophies

Is a project community healthy?



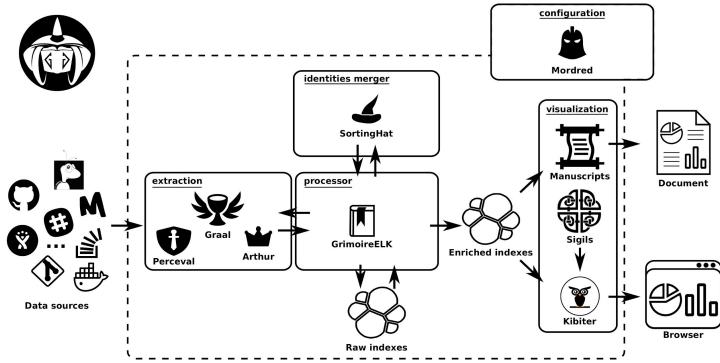


Which is the healthiest projects to adopt?





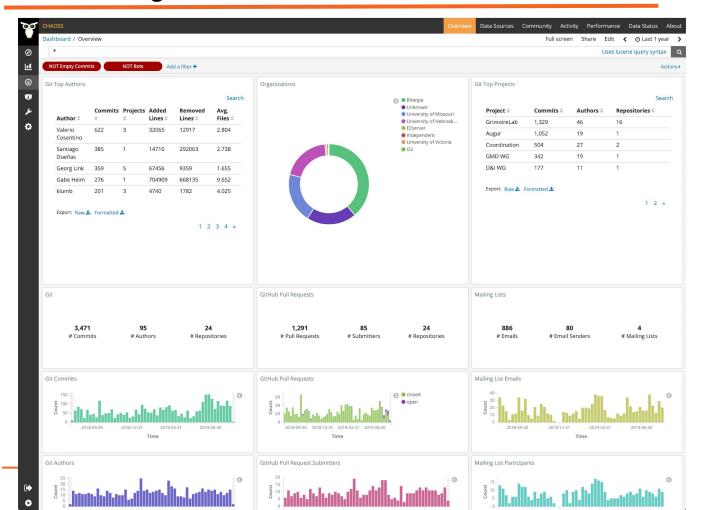
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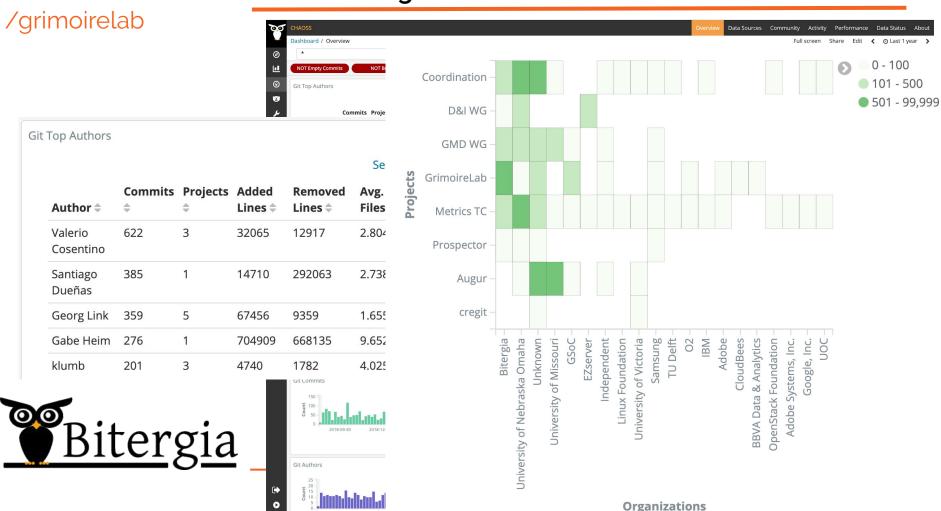
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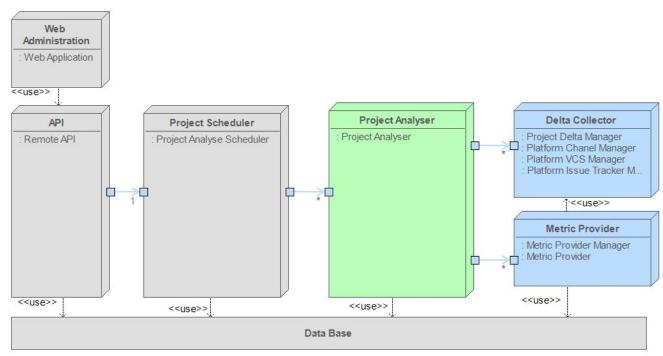




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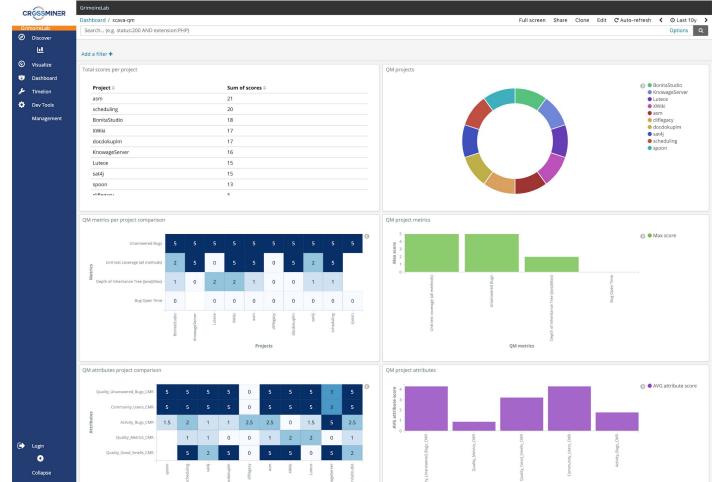
/crossminer





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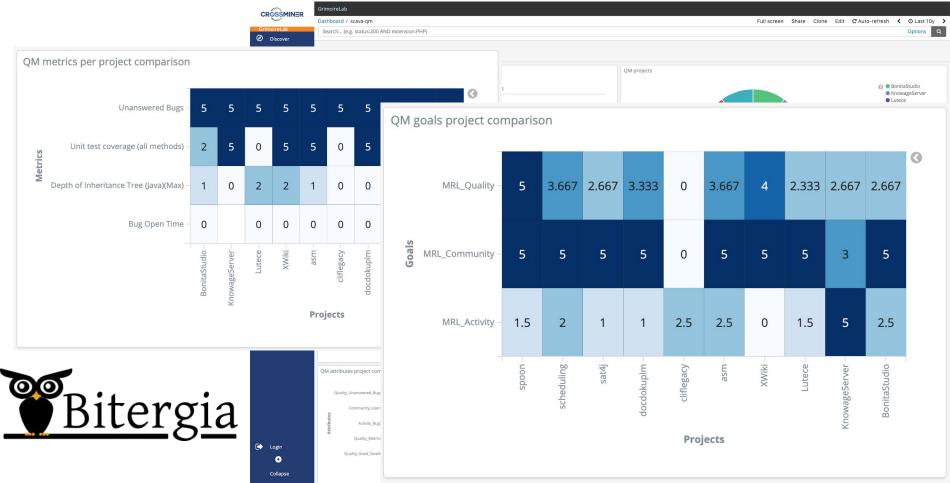
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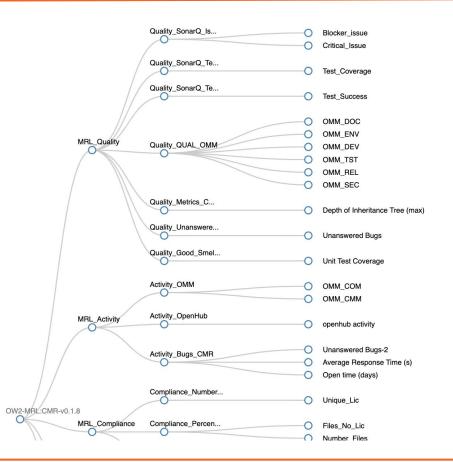


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/crossminer



Select a quality model to show:

crossminer OW2-MRL:CMR-v0.1.8

Quality Models: 2

Attributes in selected model: 24

Metrics in selected model: 29



/comparison



- Community metrics
- Fine-grained data
- Reactive metric calculation
- Multi project aggregation



- Code quality metrics
- Coarse-grained data
- Pre-determined, daily metric calculation
- Mono project aggregation
- Quality models



/comparison





- A quality model simplifies comparing many projects across different indicators
 of community health.



Quality models

/lessons learned



Has multiple meanings

Shapes the indicators and metrics

Influences technical implementations

Can be summarized by a quality model



/discussion

Your reaction?

What philosophies have you seen?

CHAOSS metric standard across software?

Metric implementation transfer?

Re-use of data in different designs?





Valerio Cosentino, Georg Link {valcos, georglink}@bitergia.com

@_valcos_, @GeorgLink



@grimoirelab @bitergia

@CHAOSSproj
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