How To Improve Code Review?

An introduction to a better methodology

What is wrong? What will be good?

MOTIVATION

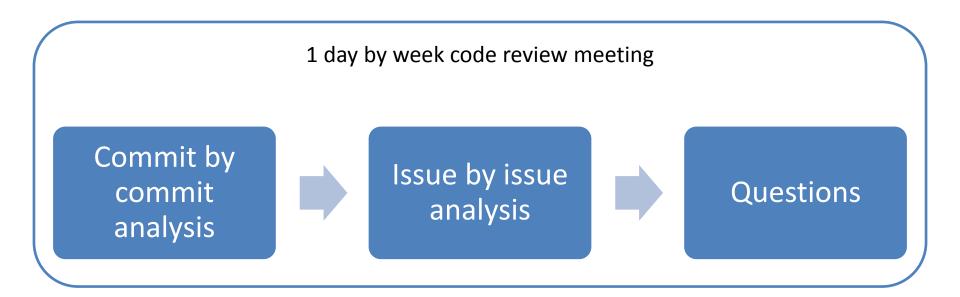
Introduction

Try to improve our code review meeting

Suggest areas for improvement

Rely on the goodwill of people

Today



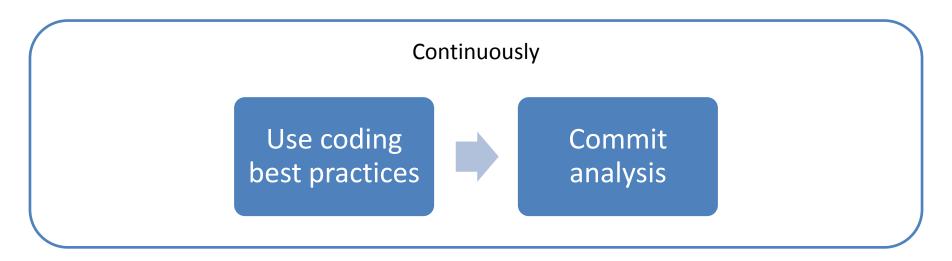
Today. What happens?

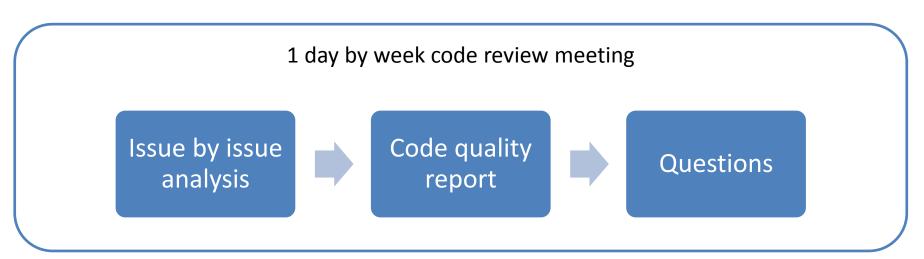
Meeting is long (~ 2h)

Few people involved

Duplicate discussions

Tomorrow





Tomorrow. What will happen?

Reduce meeting time

Involve community

Synthetic meeting discussions

How to improve our code review?

SUGGESTIONS

How to

1

Continuous code review

1 day by week code review meeting

"A commit is always associated to an issue"

A commit answers to a need

Use the **Github commit/issue link syntax**¹

"A commit is always formated"

Code should be easy to read

Use a standard code format

"A commit is continuously reviewed by the communauty"

Use Github notifications

Have a **remark**? Add a **comment**

Have a **question**?

Note for the 1 day by week code review meeting

"Issue by issue analysis"

Use the **Github Pulse** tool¹

Review issue => Review commits and comments

"Keep an eye to the time"

Each meeting part should be **time keeped**

Make **synthetic discussions**. Just important messages

"Code quality improvement"

Use the **Sonar Time Machine** tool¹

Compare with previous reports

"Additional questions are discussed later"

Use the **Question time** to ask additional questions

Too long discussion? Establish a **dedicated meeting**

How to improve our code review?

IN SHORT

Follow the rules

Look at new commits

Comment remarks, Note questions

Continuously

20 minutes Open the Github pulse tool Discuss about issues 1 minute Open the Sonar Time Machine tool Discuss about code quality evolution 10 minutes Start the question time part Discuss about additional subjects

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