

Open Development Data @ Eclipse: Help Yourself!



Boris Baldassari

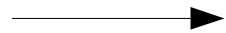


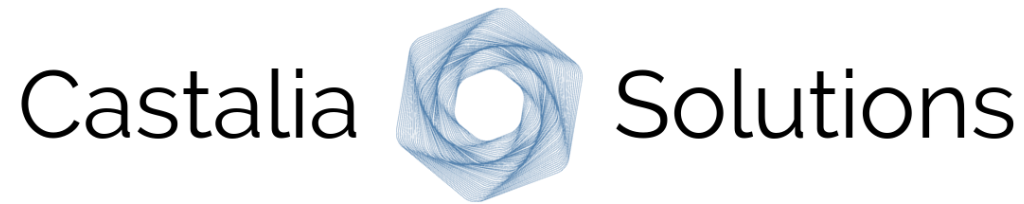
boris.baldassari@castalia.solutions



<http://castalia.solutions>

Check the full article!





Open Development Data @ Eclipse: Help Yourself!



Boris Baldassari

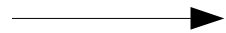


boris.baldassari@castalia.solutions



<http://castalia.solutions>

Check the full article!



About Open Development Data

« Knowledge is open if anyone is free to access, use, modify, and share it. »

Development data may be composed of

- **Development tools metadata:** git, bugzilla, Gerrit..
- **Community exchanges:** mails, forums, wiki..
- **Process** information: IP, planning, resources, organisational metadata..
- **Product:** code, software metrics, rule-checking analysis..

It should also be:

- Well **organised** and **easy to consume**,
- Should **encourage reuse** through compatibility, easy access, and documentation.

About Open Development Data

« Knowledge is open if anyone is free to access, use, modify, and share it. »

Development data may be composed of

- **Development tools metadata:** git, bugzilla, gerrit..
- **Community exchanges:** mails, forums, wiki..
- **Process** information: IP, planning, resources, organisational metadata..
- **Product:** code, software metrics, rule-checking analysis..

It should also be:

- Well **organised** and **easy to consume**,
- Should **encourage reuse** through compatibility, easy access, and documentation.

About Open Development Data

« Knowledge is open if anyone is free to access, use, modify, and share it. »

Development data may be composed of

- **Development tools metadata:** git, bugzilla, Gerrit..
- **Community exchanges:** mails, forums, wiki..
- **Process** information: IP, planning, resources, organisational metadata..
- **Product:** code, software metrics, rule-checking analysis..

It should also be:

- Well **organised** and **easy to consume**,
- Should **encourage reuse** through compatibility, easy access, and documentation.

About Open Development Data

« Knowledge is open if anyone is free to access, use, modify, and share it. »

Development data may be composed of

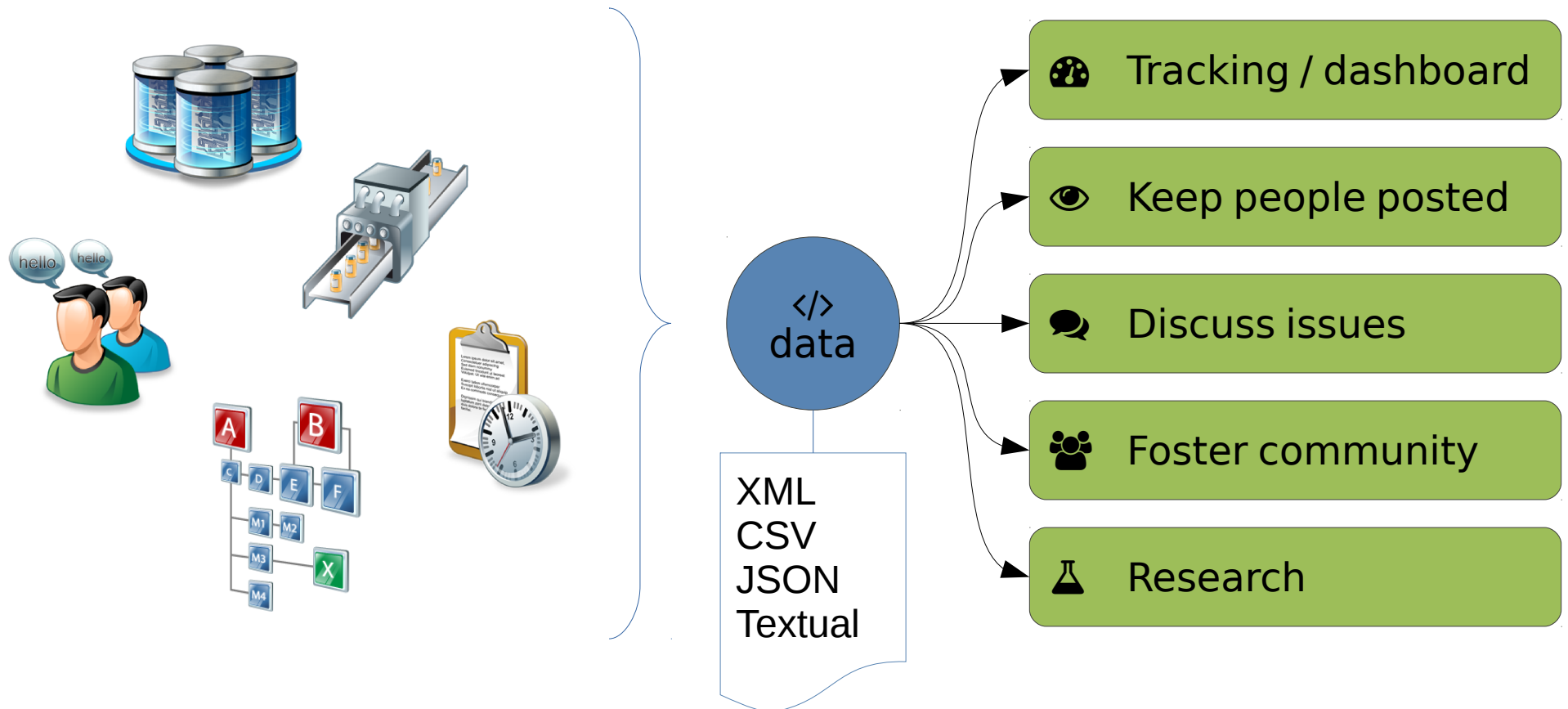
- **Development tools metadata:** git, bugzilla, Gerrit..
- **Community exchanges:** mails, forums, wiki..
- **Process** information: IP, planning, resources, organisational metadata..
- **Product:** code, software metrics, rule-checking analysis..

It should also be:

- Well **organised** and **easy to consume**,
- Should **encourage reuse** through compatibility, easy access, and documentation.

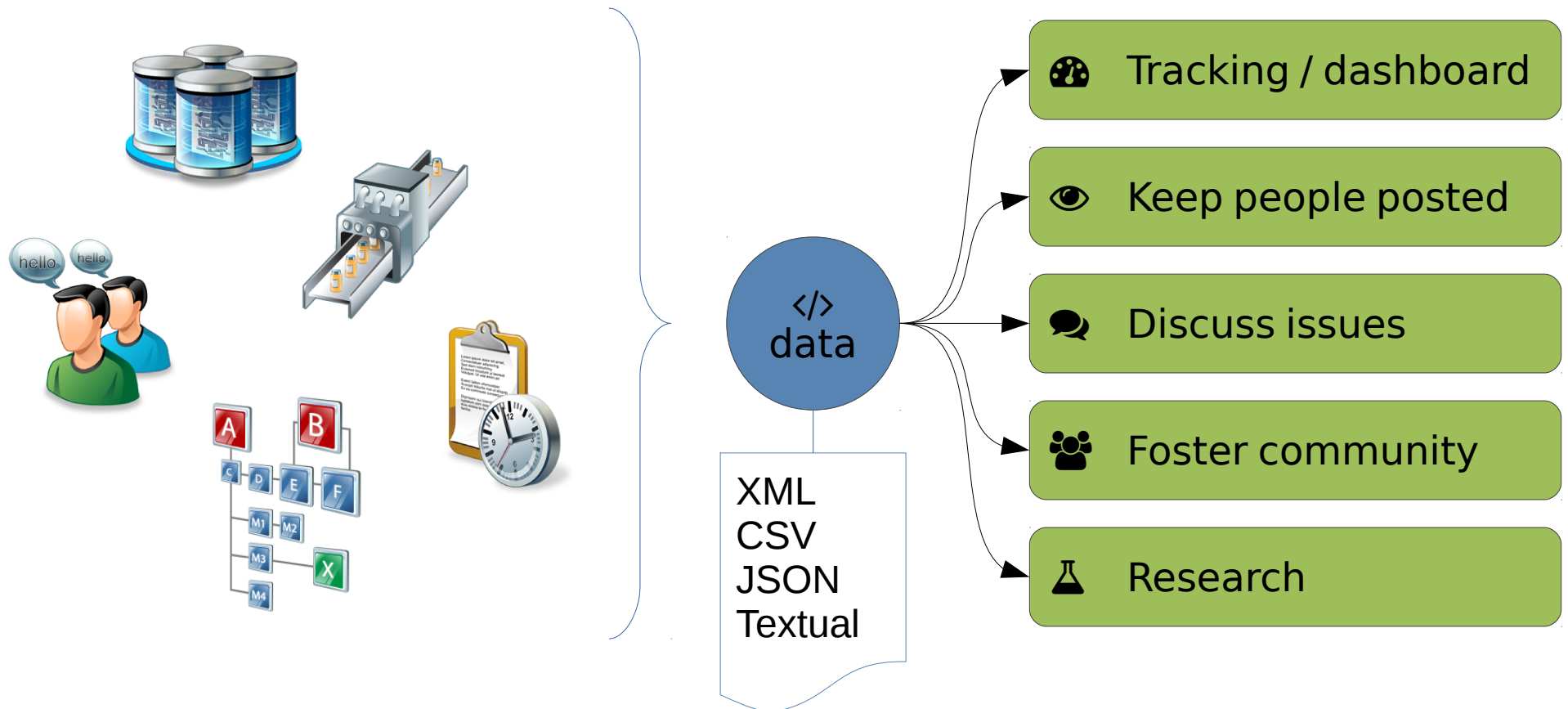
About Open Development Data

Open Development Data has numerous uses:



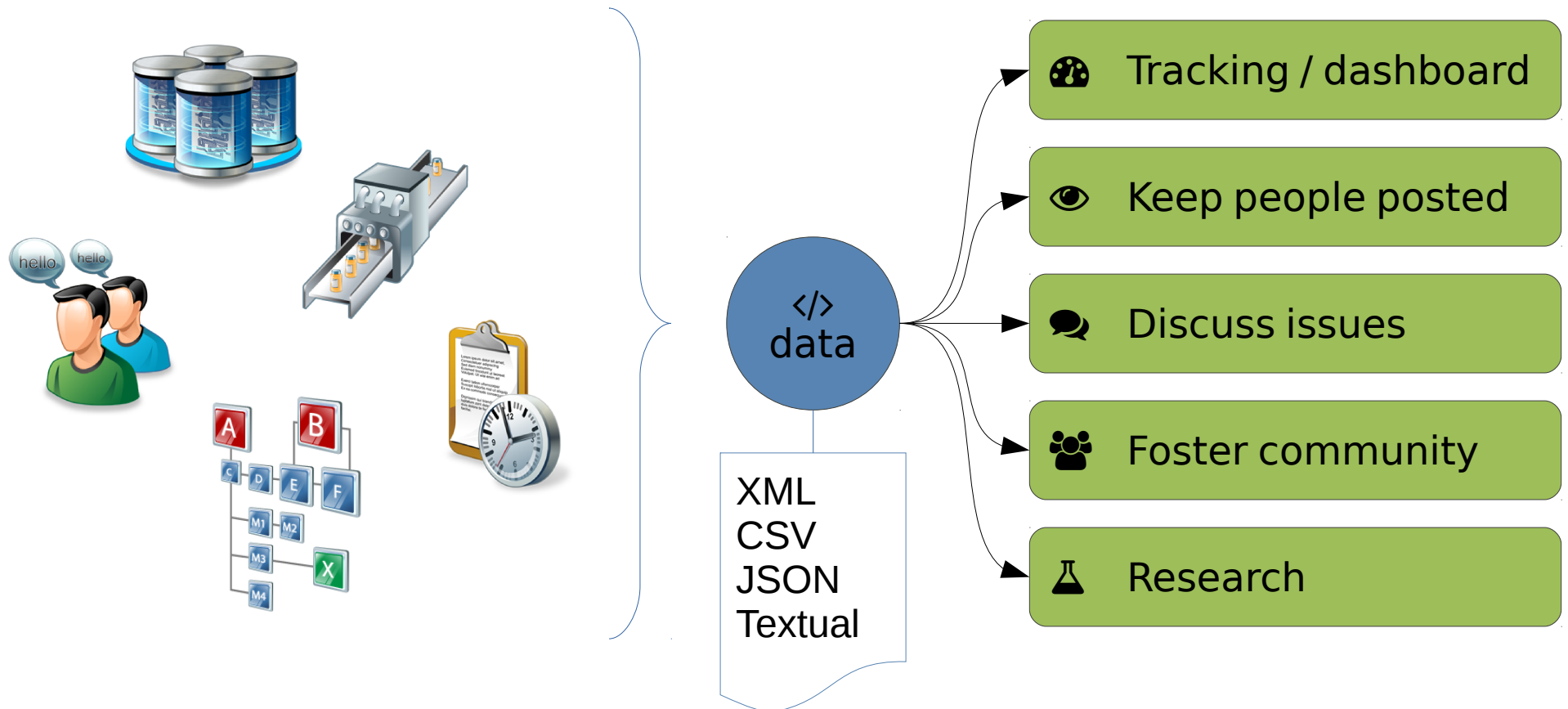
About Open Development Data

Open Development Data has numerous uses:



About Open Development Data

Open Development Data has numerous uses:



The Eclipse forge

Eclipse has several data repositories available:

- The PMI (**Project Management Infrastructure**) has meta data for all projects: name, description, resources, mailing lists, documentation, releases..
<http://projects.eclipse.org>
- The **Eclipse Dashboard** has community-related data : SCM, ITS, mailing lists, code reviews...
<http://dashboard.eclipse.org>
- **Hudson** Continuous Integration engine has a REST API and many useful shortcuts.
<http://hudson.eclipse.org>
- More **internal sources** can be analysed: web site & wiki recent changes, marketplace, downloads..
- More **external sources** can be linked: openhub, stack overflow..

The Eclipse forge

Eclipse has several data repositories available:

- The PMI (**Project Management Infrastructure**) has meta data for all projects: name, description, resources, mailing lists, documentation, releases..
<http://projects.eclipse.org>
- The **Eclipse Dashboard** has community-related data : SCM, ITS, mailing lists, code reviews...
<http://dashboard.eclipse.org>
- **Hudson** Continuous Integration engine has a REST API and many useful shortcuts.
<http://hudson.eclipse.org>
- More **internal sources** can be analysed: web site & wiki recent changes, marketplace, downloads..
- More **external sources** can be linked: openhub, stack overflow..

The Eclipse forge

Eclipse has several data repositories available:

- The PMI (**Project Management Infrastructure**) has meta data for all projects: name, description, resources, mailing lists, documentation, releases..
<http://projects.eclipse.org>
- The **Eclipse Dashboard** has community-related data : SCM, ITS, mailing lists, code reviews...
<http://dashboard.eclipse.org>
- **Hudson** Continuous Integration engine has a REST API and many useful shortcuts.
<http://hudson.eclipse.org>
- More **internal sources** can be analysed: web site & wiki recent changes, marketplace, downloads..
- More **external sources** can be linked: openhub, stack overflow..

The Eclipse forge

Eclipse has several data repositories available:

- The PMI (**Project Management Infrastructure**) has meta data for all projects: name, description, resources, mailing lists, documentation, releases..
<http://projects.eclipse.org>
- The **Eclipse Dashboard** has community-related data : SCM, ITS, mailing lists, code reviews...
<http://dashboard.eclipse.org>
- **Hudson** Continuous Integration engine has a REST API and many useful shortcuts.
<http://hudson.eclipse.org>
- More **internal sources** can be analysed: web site & wiki recent changes, marketplace, downloads..
- More **external sources** can be linked: openhub, stack overflow..

A basic example: build a dashboard

A quick 'n dirty hack to retrieve information from the various data repositories and present it in a single place.

- **From a single entry: the project ID**
 - Extract Dashboard data (current and history) for community.
 - Extract PMI data, including name, description, Hudson URL, doc..
 - Extract Continuous Integration data, including number of jobs, status of builds..
- **Generates a simple list of entries, but could be..**
 - More complex dashboards: HTML/JS/D3js..
 - PDF automatic reports
 - Actions: send emails on thresholds, connect to an analytics framework..

A basic example: build a dashboard

A quick 'n dirty hack to retrieve information from the various data repositories and present it in a single place.

- **From a single entry: the project ID**
 - Extract Dashboard data (current and history) for community.
 - Extract PMI data, including name, description, Hudson URL, doc..
 - Extract Continuous Integration data, including number of jobs, status of builds..
- **Generates a simple list of entries, but could be..**
 - More complex dashboards: HTML/JS/D3js..
 - PDF automatic reports
 - Actions: send emails on thresholds, connect to an analytics framework..

A basic example: build a dashboard

Project summary

Web site	http://www.eclipse.org/sirius
Wiki	http://wiki.eclipse.org/Sirius
Doc	Web Getting started Build
Bugs	https://bugs.eclipse.org/bugs/buglist.cgi?product=Sirius
Source	sirius/org.eclipse.sirius
CI	Private Hudson instance for Sirius
Marketplace	

RELEASES

UPDATE SITES

[Sirius 2.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Kepler](#)

[Sirius 0.9.x Release for Kepler](#)

Community

Configuration management

Last week

15	0	3
Commits	Committers	Authors

There have been in total **1952** commits made on the repository by **18** committers and **18** authors.

During last month: **94** commits made by **0** committers and **9** authors.

During last year: **1334** commits made by **0** committers and **15** authors.

Dev mailing list

Last week

0	0
Emails sent	Senders

There have been **77** threads identified on developer mailing list, for a volume of **107** emails by **14** authors.

During last month: **0** mails sent by **0** authors

During last year: **62** mails sent by **10** authors

Issue tracking system

Last week

53	7
Bugs opened	Openers

There have been **861** bugs recorded by **100** people in the tracking system, including **561** closed by **23** people.

During last month: **53** bugs closed by **7** people.

During last year: **460** bugs closed by **18** people.

A basic example: build a dashboard

Project summary

Web site	http://www.eclipse.org/sirius
Wiki	http://wiki.eclipse.org/Sirius
Doc	Web Getting started Build
Bugs	https://bugs.eclipse.org/bugs/buglist.cgi?product=Sirius
Source	sirius/org.eclipse.sirius
CI	Private Hudson instance for Sirius
Marketplace	

RELEASES

UPDATE SITES

[Sirius 2.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Kepler](#)

[Sirius 0.9.x Release for Kepler](#)

Community

Configuration management

Last week

15	0	3
Commits	Committers	Authors

There have been in total **1952** commits made on the repository by **18** committers and **18** authors.

During last month: **94** commits made by **0** committers and **9** authors.

During last year: **1334** commits made by **0** committers and **15** authors.

Dev mailing list

Last week

0	0
Emails sent	Senders

There have been **77** threads identified on developer mailing list, for a volume of **107** emails by **14** authors.

During last month: **0** mails sent by **0** authors

During last year: **62** mails sent by **10** authors

Issue tracking system

Last week

53	7
Bugs opened	Openers

There have been **861** bugs recorded by **100** people in the tracking system, including **561** closed by **23** people.

During last month: **53** bugs closed by **7** people.

During last year: **460** bugs closed by **18** people.

A basic example: build a dashboard

Project summary

Web site	http://www.eclipse.org/sirius
Wiki	http://wiki.eclipse.org/Sirius
Doc	Web Getting started Build
Bugs	https://bugs.eclipse.org/bugs/buglist.cgi?product=Sirius
Source	sirius/org.eclipse.sirius
CI	Private Hudson instance for Sirius
Marketplace	

RELEASES

UPDATE SITES

[Sirius 2.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Luna](#)

[Sirius 1.0.x Nightly for Kepler](#)

[Sirius 0.9.x Release for Kepler](#)

Community

Configuration management

Last week

15	0	3
Commits	Committers	Authors

There have been in total **1952** commits made on the repository by **18** committers and **18** authors.

During last month: **94** commits made by **0** committers and **9** authors.

During last year: **1334** commits made by **0** committers and **15** authors.

Dev mailing list

Last week

0	0
Emails sent	Senders

There have been **77** threads identified on developer mailing list, for a volume of **107** emails by **14** authors.

During last month: **0** mails sent by **0** authors

During last year: **62** mails sent by **10** authors

Issue tracking system

Last week

53	7
Bugs opened	Openers

There have been **861** bugs recorded by **100** people in the tracking system, including **561** closed by **23** people.

During last month: **53** bugs closed by **7** people.

During last year: **460** bugs closed by **18** people.

Thank you !

See the full article with living example:

http://castalia.camp/articles/eclipse_open_dev_data

Or scan this code!



Thank you !

See the full article with living example:

http://castalia.camp/articles/eclipse_open_dev_data

Or scan this code!

