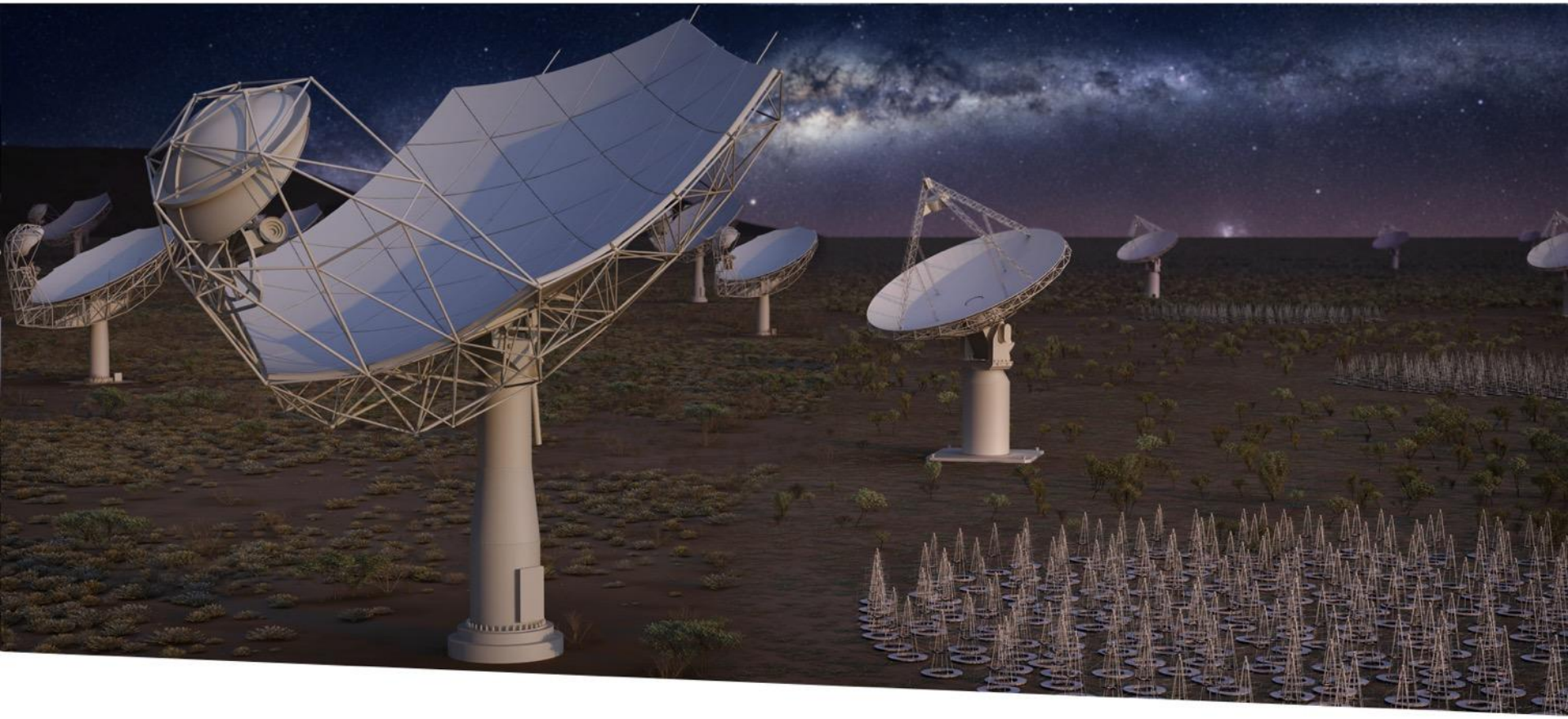
Webjive in a integration environment

Webjive Workshop

10th June 2020



SQUARE KILOMETRE ARRAY

Exploring the Universe with the world's largest radio telescope

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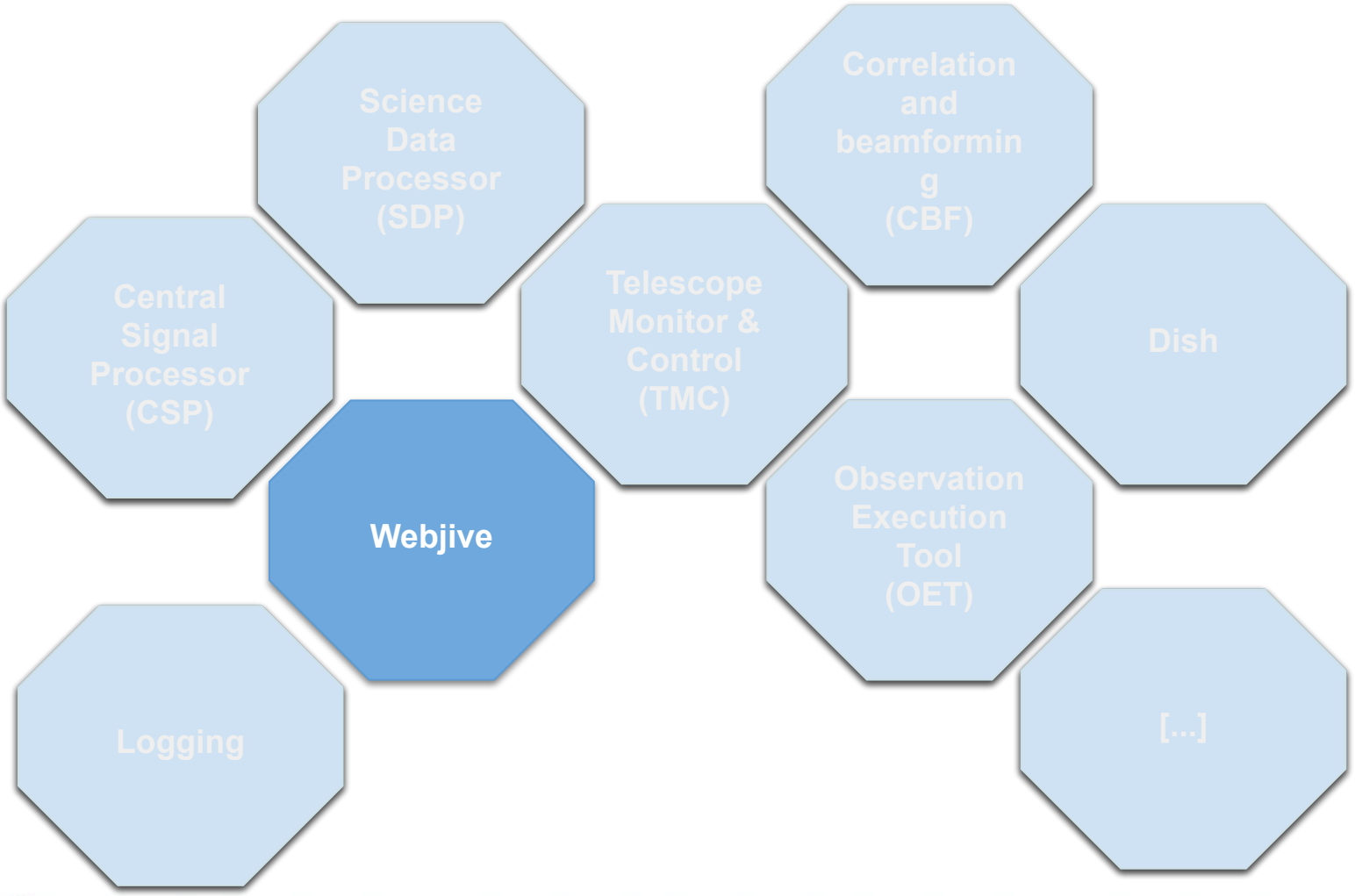
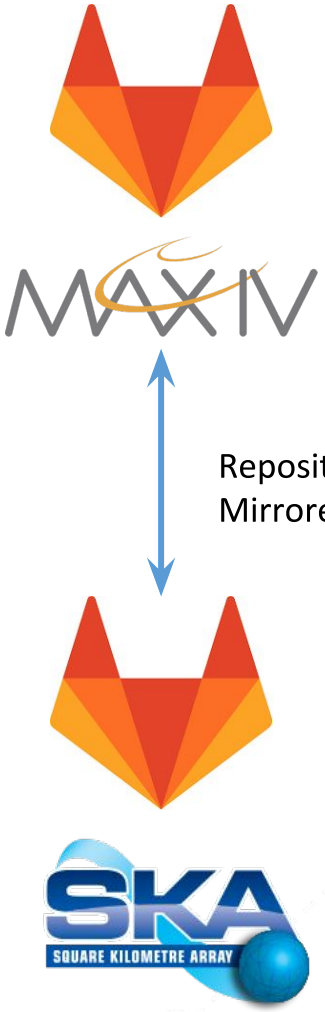
SKA MVP Prototype Integration (SKAMPI)

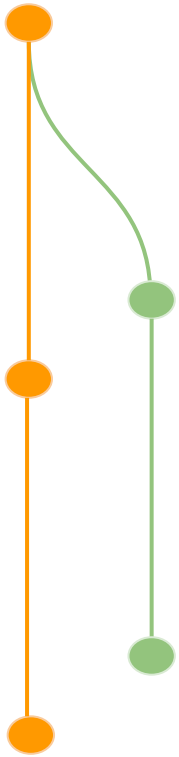


New branch



(Mirror)

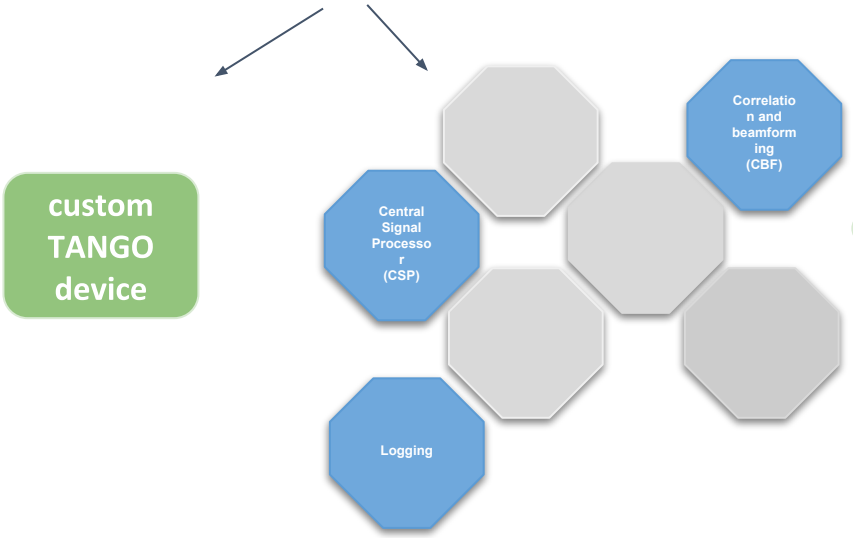
develop branch (version tagged)



new branch (new tag)

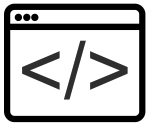
- The changes are committed directly into Max-IV GitLab repository
- The repository from GitLab is automatically mirrored into SKA GitLab repository
- Every time that new changes are need, a new branch is created starting from the development branch

Development/Review



new branch (new tag)

code / patch

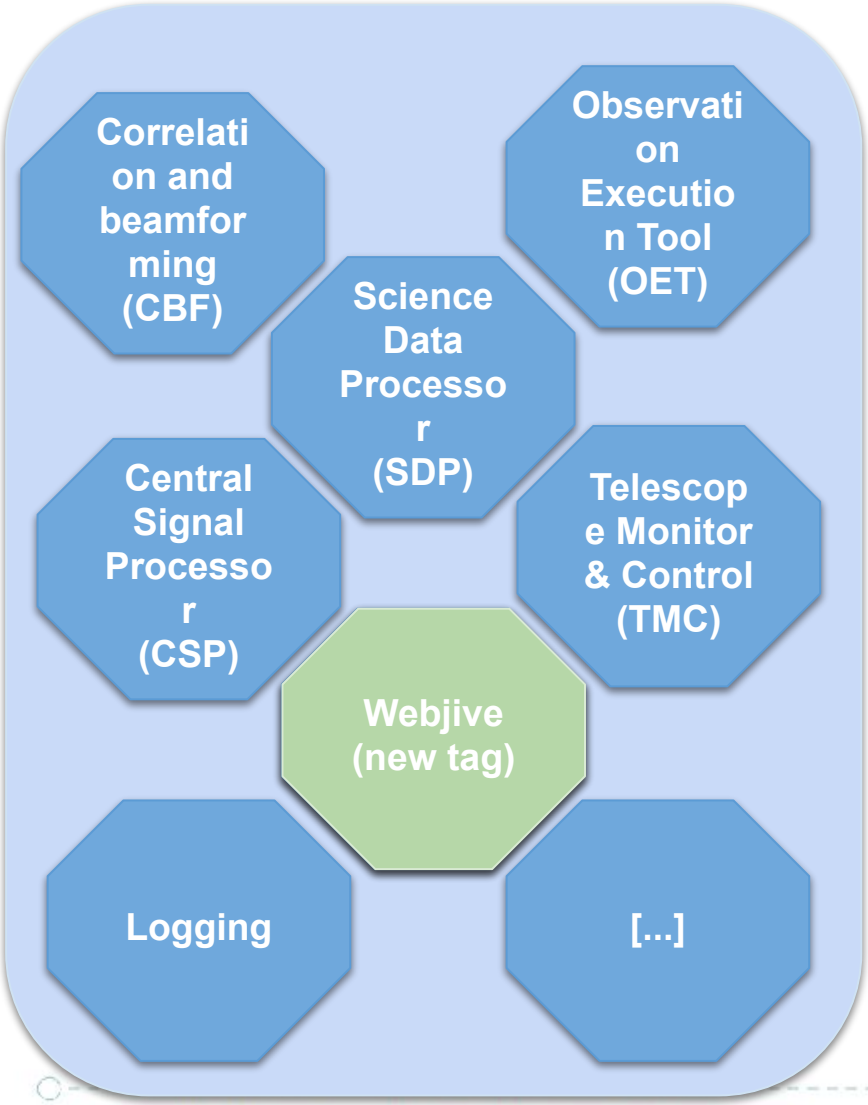


tests

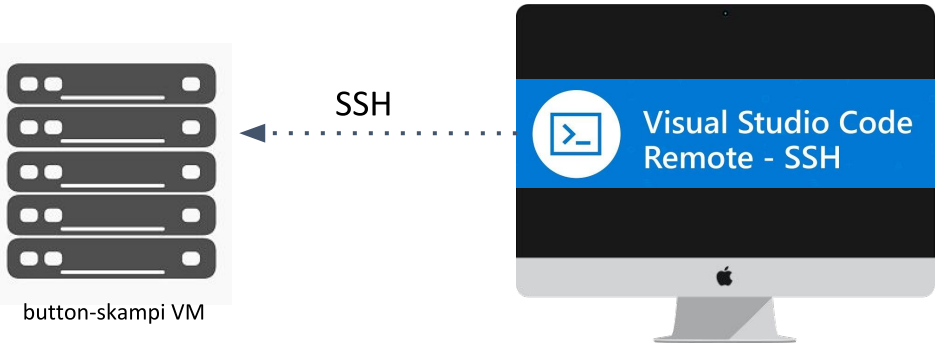
documentation

- Develop the feature or check/review the new changes
- Use a minimal set of Tango Device (i.e. device from TMC, test device or WebjiveTestDevice)

Testing changes in local SKAMPI or a remote VM



- Test the code in a local installation of SKAMPI, or in a virtual machine that is a clone of SKAMPI, using the latest tag of the code under test
- It is possible to work on code using a SSH Visual Studio plugin

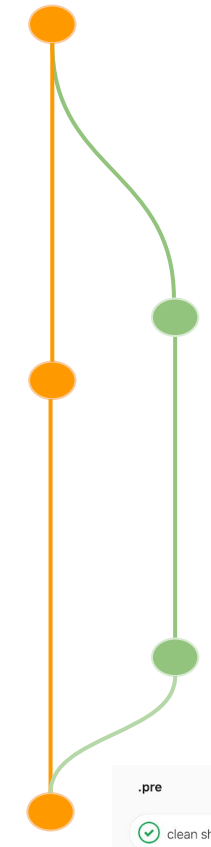


Publish

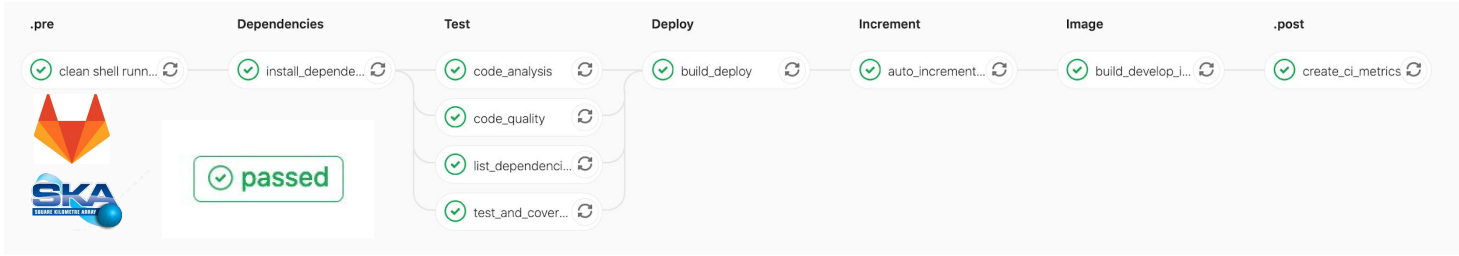
develop branch (version tagged)

new branch (new tag)

code merged (**new tag**)



- send the merge request
- tag the new version
- merge the branch into the master and update the new version
- generate the documentation
- run the SKA pipeline



Run in SKAMPI

- tag the new version
- test in skampi

Science Data Processor (SDP)

Correlation and beamforming (CBF)

Central Signal Processor (CSP)

Telescope Monitor & Control (TMC)

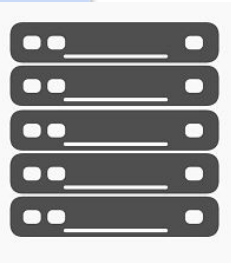
Dish

Webjive (new tagged version published)

Observation Execution Tool (OET)

Logging

[...]



sys_core

Why is useful an integration environment?

- The changes are available to the whole community as soon as are developed
- The evaluation of the impact in the system of the changes is fast
- The users can provide fast feedback

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Thank you for your attention!

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