pCT Bergen Meeting - WP7 Status

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Repository of WP7

- Preliminary directory structure:

    ```
    dataformats
    detector
    doxygen
    imaging
    reconstruction
    utilities
    ```

- `cmake` build setup: `CMakeLists.txt`
  empty skeleton for the moment

- To come soon:
    - `README.md`: a README file with markdown formatting, `gitlab` automatically displays this as discription in the web interface
    - License
    - `CTest` setup
    - Integration of `Gate`, `Geant4`, `ROOT`, `RTK`, `ITK`, ...
    - Doxygen setup for code documentation

Working with Gitlab

Gitlab is not only repository hosting, but allows efficient collaborative work

- Easy code sharing and discussions
- Code review
- Documentation
- Bug and issue tracking
- Planning
- Distributed maintaining, every developer can take over tasks from the main maintainers
- ... and a lot more

In order to use all this, a slight paradigm shift is required
$\Rightarrow$ Proposal: Tutorial and best-practice discussion in January 2017

Projects in the Gitlab pct group

Initial projects:

- Start with a project per work package (WPn)

- There will be significant overlap between work packages, we might want to consider renaming and a different structure early next year

- e.g. WP1 and WP7 call for a common repository (common package dependencies, data formats)

External projects:

- External projects can either be taken directly from a remote repository, or can be imported as a separate project in our Gitlab space

- *"Lyon"*-code imported to https://gitlab.uib.no/pct/mlpTracking (name might change)

- Work-flow proposal on the wiki: https://wiki.uib.no/pct/index.php/Documentation#Importing_an_external_package

Wiki and Slack

https://wiki.uib.no/pct/index.php/Main_Page

- Documentation section has already been filled with (hopefully) useful information
- Wanted:
  - ▶ Frequent review of the wiki pages by many people, fast update procedure
  - ▶ Upload of Nov workshop slides
- Authors for the installation procedure pages

https://pctbergen.slack.com/

- Topical communication channels: general, papers, ...
- Gitlab integration: get notification on Gitlab activity in dedicated channels
- Can be a *single point of entry* for daily overview over project activity, questions to answer and to trigger contributions

Web and Mailing

- Status project webpage?
- To be discussed: policy for using mailing lists
  - pCT@uib.no as general mailing list
  - Do we need mailing lists for wiki, gitlab, etc admins to reduce traffic? Probably not at the moment (small project)

WP7 Milestones

Open 5   Closed 0   All 5   New Milestone

Clarify license   0% complete
0 Issues · 0 Merge Requests
expires on Jun 30, 2017   Edit   Close Milestone   Delete

Compiled version of detector response prototype   0% complete
0 Issues · 0 Merge Requests
         Edit   Close Milestone   Delete

Definition of data formats   0% complete
0 Issues · 0 Merge Requests
         Edit   Close Milestone   Delete

Evaluation of mlpTracking code from Lyon group   0% complete
0 Issues · 0 Merge Requests
         Edit   Close Milestone   Delete

Visualization package for detector response and phantom reconstruction   0% complete
0 Issues · 0 Merge Requests
         Edit   Close Milestone   Delete

$\Rightarrow$ This is a first draft, review milestones, time-scale and cross-dependencies in early January 2017